

Alliant Ammunition and Powder Company, L.L.C.

**ANNUAL GROUNDWATER
MONITORING REPORT**

**HAZARDOUS WASTE MANAGEMENT UNIT 16
CALENDAR YEAR 2001**

**Radford Army Ammunition Plant,
Radford, Virginia**

March 1, 2002

Draper Aden Associates
2206 South Main Street
Blacksburg, Virginia 24060
DAA Job No. 7774.22

ANNUAL GROUNDWATER MONITORING REPORT

**HAZARDOUS WASTE MANAGEMENT UNIT 16
CALENDAR YEAR 2001**

**RADFORD ARMY AMMUNITION PLANT
RADFORD, VIRGINIA**

Submitted to:

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INTRODUCTION

This document presents the Annual Groundwater Monitoring Report for Hazardous Waste Management Unit 16 (HWMU-16) for calendar year 2001, and has been compiled in accordance with 9 VAC 20-60-265 and 40 CFR 265.90-94 (Subpart F). The Annual Groundwater Monitoring Report presents the following set of information for HWMU-16: basic information and unit identification, a description of the groundwater monitoring plan, a discussion of groundwater movement, an updated potentiometric map, a table of groundwater elevations, and detailed statistical evaluations of the analytical data. The report evaluates the analytical data from the four quarterly sampling events for the year 2001. The laboratory analytical results for the year 2001 are included in **Appendix A**.

HWMU-16 does not have a Post-Closure Care Permit; therefore, the Unit is in interim status. HWMU-16 began operation in 1980, and was certified closed in 1993; the Unit has been in interim status since that time. The post-closure care period for the Unit began with the closure in 1993, and will continue until 2023 (30 years). Part of the post-closure care period will be completed during the interim status period.

HWMU-16 ANNUAL GROUNDWATER MONITORING REPORT

CALENDAR YEAR: 2001
REPORT DATE: March 1, 2002

Prepared for the Virginia Department of Environmental Quality - Waste Division (VDEQ-WD)
in accordance with 9 VAC 20-60-265 and 40 CFR 265.90-94 (Subpart F).

A. WASTE MANAGEMENT UNIT INFORMATION

UNIT NAME: Hazardous Waste Management Unit 16 (HWMU-16)
OWNER/OPERATOR: United States Army / Alliant Ammunition and Powder Company, LLC
UNIT LOCATION: Radford AAP Main Plant Area, Radford, Virginia
CLASS: Hazardous Waste Management Unit
TYPE: Former Hazardous Waste Landfill

B. GROUNDWATER MONITORING PLAN

MONITORING NETWORK

UPGRADIENT WELL: 16C1
DOWNGRADIENT WELLS: 16-1, 16-2, 16-3, 16-5, 16WC1A, 16WC1B, 16WC2B,
16MW8, 16MW9, 16SPRING
OBSERVATION WELLS: 16WC2A, 16C3, 16CDH3
(static water level measurements only)

MONITORING STATUS: Groundwater Quality Assessment Program

DATA COLLECTION STATUS:	Quarterly Event	March 13 -14, 2001
	Quarterly Event	May 31, June 1 and 5, 2001
	Quarterly Event	August 1-3, 2001
	Quarterly Event	October 15-17, 2001

C. GROUNDWATER MOVEMENT

The monitoring wells at HWMU-16 are screened entirely within either carbonate bedrock or weathered carbonate bedrock residuum, or across the residuum/bedrock interface. The static water level measurements gathered at HWMU-16 during the 2001 quarterly monitoring events are summarized in **Table 1**. Groundwater fluctuations ranged from 0.5 to 3 feet annually. As shown on the HWMU-16 Potentiometric Surface Map for Fourth Quarter 2001, groundwater movement beneath the site is generally to the northeast.

For the purposes of this report, Darcian flow conditions were assumed for the weathered residuum and karst carbonate bedrock beneath HWMU-16. As a result, the groundwater velocities were calculated by multiplying the hydraulic conductivity (determined from previously conducted slug tests) by the average hydraulic gradient across the site, and dividing by an assumed effective porosity for the aquifer materials. The average hydraulic gradient was determined by superimposing three evenly spaced flow line vectors over the Potentiometric Surface Map, measuring their lengths, calculating the head differential over the distances measured, and dividing the head differential by the length of the flow line vectors. The three calculated gradients were then averaged to a single value. Using this method, the average groundwater hydraulic gradient across the site based on Fourth Quarter 2001 groundwater elevations was calculated to be 0.086 ft/ft. Historical slug test data for the site yielded an average hydraulic conductivity of 7.87×10^{-5} ft/second. This value is consistent with literature values for karst carbonate rock and for clay and silt residuum (Domenico and Schwartz, 1990).

The estimated groundwater velocity across the site was calculated to be approximately 1.67 ft/day or 610 ft/year, based on the following:

- an average hydraulic conductivity of 7.87×10^{-5} ft/second;
- an average hydraulic gradient of 0.086 ft/ft; and
- an assumed effective porosity of 0.35, based on a representative range of porosities for karst carbonate rock and clay and silt residuum (Domenico and Schwartz, 1990).

The actual groundwater flow velocities in the carbonate bedrock may vary as much as one to two orders of magnitude from the velocity presented above, depending on water level conditions and the distribution of karst conduits.

D. STATISTICAL EVALUATIONS

D.1 HWMU-16 GROUNDWATER BACKGROUND CONCENTRATIONS

Background concentrations were calculated for each constituent in the groundwater monitoring program using the 1996-2001 quarterly analytical data from upgradient well 16C1. The background concentration calculations were based on site wide 95% confidence, 95% coverage upper prediction intervals. When adjusted for multiple comparisons of the background data, the minimum required false positive rate was well below 1%. A 99% confidence level (0.01 false positive rate) was used for all individual comparisons. These coverage limits were only achieved for constituent data on which parametric prediction intervals were performed. In cases where non-parametric prediction intervals were computed to determine the background levels, the confidence level and error rate were calculated based on the number of background data points available and number of future comparisons. Because the upper control limit of a non-parametric interval cannot be adjusted for multiple comparisons and an inadequate number of background data, the number of resampling events required was adjusted to account for the high error rates inherent in those situations. No confidence levels were defined in cases where

the background data were 100% non-detected; the detection limits of such constituents were used to define their respective background levels.

D.2 HWMU-16 STATISTICAL ANALYSIS

Statistical evaluations were performed for HWMU-16 as specified in VHWMR 9 VAC 20-60-570. The statistical evaluations were performed in accordance with the procedures and guidance provided in the following documents:

- Virginia Hazardous Waste Management Regulations, 9 VAC 20-60-790 H and I;
- VDEQ Guidance for statistical analysis titled "Data Analysis Plan," undated;
- Interim Final Guidance for Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, USEPA, April 1989;
- Addendum to Interim Final Guidance for Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, USEPA, July 1992; and
- Statistical Methods for Groundwater Monitoring, Gibbons, R.D., 1994.

Statistical threshold values were computed for the 54 constituents for which HWMU-16 is currently monitored based on the concentrations of those constituents in upgradient (background) well 16C1. The 1996-2001 quarterly monitoring data for well 16C1 were used for this purpose. Comparison statistical analyses were performed for all constituents which were detected in any downgradient well during Fourth Quarter 2001. Downgradient wells 16MW8 and 16WC1B were not sampled during the Year 2001; therefore, comparison statistical analyses were not performed for wells 16MW8 and 16WC1B.

D.2.1 Background Data and Statistical Comparisons

Statistical analyses were performed using the 1996-2001 quarterly analytical results from upgradient well 16C1 as background data. Based on the percentage of non-detects and the distribution of the background data, methods of statistical comparisons varied. Background average, standard deviation and other descriptive statistical data were computed for all constituents and are presented in **Appendix B**.

The constituents listed below were 100% non-detected in the background data. The background threshold levels (BTLs) for these constituents were established as equal to their detection limits (DLs). Detections of these constituents in the downgradient wells during Fourth Quarter 2001 were compared to these BTLs.

Background Threshold Level (BTL) = Detection Limit (DL)				
Parameter	Sample Size	% Non-Detects	DL (µg/l)	BTL (µg/l)
Antimony	21	100	3	3
Arsenic	21	100	1	1
Mercury	21	100	0.2	0.2

Background Threshold Level (BTL) = Detection Limit (DL)				
Parameter	Sample Size	% Non-Detects	DL (µg/l)	BTL (µg/l)
Selenium	21	100	1	1
Bromoform	21	100	0.3	0.3
Carbon tetrachloride	21	100	0.2	0.2
Chlorobenzene	21	100	0.1	0.1
Chloromethane	21	100	0.3	0.3
Cyanide	21	100	10	10
Di-n-butyl phthalate	21	100	5	5
1,4-Dichlorobenzene	21	100	0.1	0.1
1,2-Dichloroethane	21	100	0.1	0.1
trans-1,2-Dichloroethene	21	100	0.1	0.1
1,1,2,2,-Tetrachloroethane	21	100	0.1	0.1
1,1,2-Trichloroethane	21	100	0.5	0.5
Trichloroethene	21	100	0.1	0.1
1234678-HPCDF	21	100	0.0615	0.0615
1234789-HPCDF	21	100	0.0709	0.0709
123478-HXCDF	21	100	0.0390	0.039
123678-HXCDF	21	100	0.0377	0.0377
123789-HXCDF	21	100	0.0415	0.0415
234678-HXCDF	21	100	0.0428	0.0428
12378-PECDF	21	100	0.0439	0.0439
23478-PECDF	21	100	0.0417	0.0417
2378-TCDF	21	100	0.0485	0.0485
OCDF	21	100	0.1307	0.1307

Non-parametric prediction intervals were computed for all of the constituents for which the data from the background wells satisfied one of the following two criteria, per VDEQ regulations and guidance as well as USEPA guidance:

- Percentage of non-detects was greater than or equal to 50 and less than 100; or
- Percentage of non-detects was less than 50, but data was not normally distributed.

Non-parametric upper prediction limits (UPL) were computed for 24 constituents which met one of the above two criteria. The background threshold levels for these constituents were set as equal to their UPLs, with one exception. For pH, a two-sided nonparametric prediction interval was computed; therefore, the BTL for pH consisted of a range between the lower prediction limit (LPL) and the upper prediction limit. The confidence level and false positive rate were calculated based on the number of background data points available and number of future comparisons. For all constituents except specific conductivity and pH, the confidence level was determined to be equal to 0.970, and the false positive rate was equal to 0.030. For specific conductivity and pH, the confidence level was determined to be equal to 0.957, and the

false positive rate was equal to 0.043. Since the upper control limit of a non-parametric interval cannot be adjusted for multiple comparisons and inadequate number of background data, the number of resampling events required was adjusted to account for the high error rates inherent in those situations. The number of confirmation resamples required for all constituents is 1. The background and relevant statistical data for these constituents are summarized below. Associated statistical computations are presented in **Appendix B**.

BTL = Upper Prediction Limit of Non-parametric Prediction Interval w/false positive rate=0.030 (false positive rate=0.043 for specific conductivity and pH) BTL for pH = LPL – UPL of two-sided Prediction Interval				
Parameter	Sample Size	% Non-Detects	DL (µg/l)	BTL (µg/l)
Beryllium	21	86	0.2	0.7
Cadmium	21	81	0.1	6.1
Chromium	21	52	1	13
Cobalt	21	76	1	5
Copper	21	62	1	48
Lead	21	62	1	11
Nickel	21	95	15	16
Silver	21	81	0.2	2.2
Thallium	21	81	1	6
Vanadium	21	90	4	151
Zinc	21	62	5	296
2,4-Dinitrotoluene	21	95	0.08	0.1
2,6-Dinitrotoluene	21	81	0.08	1.67
Dichlorodifluoromethane	21	14	0.3	38
Ethylbenzene	21	95	0.1	0.7
Methylethyl ketone	21	95	1.1	11.2
Tetrachloroethene	21	43	0.1	0.6
Toluene	21	95	0.1	0.2
Vinyl chloride	21	95	0.1	0.1
Xylene	21	90	0.1	1.4
TOC	21	81	1000	478,750
TOX	21	33	5	32.5
Specific conductivity	17	0	1 µS/cm	6,610 µS/cm
pH	17	0	0.1 pH units	6.2 to 8.3 pH units

The following constituents exhibited normally distributed background data with less than 25% non-detects. One sided parametric prediction intervals were computed on the background data for all of these constituents. The UPLs for these constituents were set as their respective BTLs, with one exception. The background concentration calculations were based on a site wide 95% confidence, 95% coverage upper prediction intervals. When adjusted for multiple

comparisons of the background data, the minimum required false positive rate was well below 1% (0.01). A 99% confidence level (0.01 false positive rate) was used for all individual comparisons, which with the most conservative assumptions provided a site-wide false positive rate of >0.05 for all constituents. The background and relevant statistical data for these constituents are summarized below. The prediction interval computations for these constituents are presented in Appendix B.

BTL = UPL of one-sided Prediction Interval (exception pH) w/site-wide false positive rate>0.05 (individual comparisons false positive rate=0.01)				
Parameter	Sample Size	% Non-Detects	DL (µg/l)	BTL (µg/l)
Barium	21	0	2	181.4
1,1-Dichloroethane	21	0	0.2	9.4
1,1,1-Trichloroethane	21	10	0.3	9.1
Trichlorofluoromethane	21	14	0.5	8.0

D.2.2 Results of Statistical Comparisons

The following table lists the constituents which were detected during the Fourth Quarter 2001 event at concentrations exceeding their respective background threshold levels (BTLs), and the downgradient wells in which they were detected. The table also compares the detected concentrations with the regulatory concentration limits for those constituents.

Parameter (BTL)	Monitoring Well	Concentration (µg/l)	Regulatory Limit (µg/l)
Barium (181.4 µg/l)	16SPRING	202	1,000 ^a
Barium (181.4 µg/l)	16-2	205	1,000 ^a
Barium (181.4 µg/l)	16-3	722	1,000 ^a
Barium (181.4 µg/l)	16MW9	409	1,000 ^a
Barium (181.4 µg/l)	16WC1A	232	1,000 ^a
Beryllium (0.7 µg/l)	16MW9	3.23	4 ^b
Chromium (13 µg/l)	16MW9	51.4	100 ^b
Cobalt (5 µg/l)	16MW9	13.5	939 ^c
Cobalt (5 µg/l)	16WC1A	7.35	939 ^c
Lead (11 µg/l)	16MW9	17.5	50 ^a
Nickel (16 µg/l)	16MW9	58	313 ^c
pH (6.2 to 8.3 pH units)	16-3	8.47	na

Notes:

^a 40 CFR 264.94 Table 1 - Maximum Concentration of Constituents for Ground-water Protection.

^b Maximum Contaminant Level (MCL), USEPA Drinking Water Regulations and Health Advisories, 2000.

^c VDEQ Alternate Concentration Limit (ACL), August 27, 2001.

na – not applicable.

Statistically significant increases in barium, beryllium, chromium, cobalt, lead, and nickel concentrations in downgradient wells relative to background may be the result of natural variations in trace element distribution in groundwater. Furthermore, as shown on the table above, the detected inorganic constituent concentrations which exceeded their respective site-specific BTLs were all well below their respective regulatory concentration limits.

The field measurement of pH at well 16-2 was above the BTL range for pH. However, field measurements of pH are subject to wide variations, and are influenced by changes in ambient groundwater geochemistry. Therefore, statistical results for pH are inconclusive and do not warrant further action.

Any HWMU-16 target constituents not listed above were not detected in the downgradient monitoring wells at concentrations exceeding their respective BTLs.

SIGNATURE/CERTIFICATION

Prepared by:

Name: _____ Ross Miller, Project Hydrogeologist _____

Signature: _____  _____

Company: _____ Draper Aden Associates _____

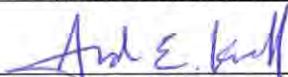
Address: _____ 2206 South Main Street _____

City/State/Zip: _____ Blacksburg, Virginia 24060-6600 _____

Virginia Professional Certification:

I certify that I have prepared or supervised preparation of the attached report, that it has been prepared in accordance with industry standards and practices, and that the information contained herein is truthful and accurate to the best of my knowledge.

Name: _____ Andrew E. Kassoff, Senior Hydrogeologist _____

Signature: _____  _____

Virginia Professional Certification Type and Number: _____ PG 873 _____

Company: _____ Draper Aden Associates _____

Address: _____ 2206 South Main Street _____

City/State/Zip: _____ Blacksburg, Virginia 24060-6600 _____

TABLE

TABLE 1
HWMU-16
GROUNDWATER ELEVATIONS - 2001
RADFORD ARMY AMMUNITION PLANT
RADFORD, VIRGINIA

MONITORING WELL ID	ELEVATION TOP OF WELL	FIRST QUARTER 2001		SECOND QUARTER 2001		THIRD QUARTER 2001		FOURTH QUARTER 2001	
		DTW	GW ELEV	DTW	GW ELEV	DTW	GW ELEV	DTW	GW ELEV
16C1	1839.78	50.95	1788.83	51.06	1788.72	48.54	1791.24	49.14	1790.64
16MW8	1818.32	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
16MW9	1811.38	66.90	1744.48	64.30	1747.08	65.69	1745.69	66.61	1744.77
16WC1A	1814.41	70.22	1744.19	68.22	1746.19	68.25	1746.16	69.75	1744.66
16WC1B	1815.05	DRY	DRY	DRY	DRY	68.60	1746.45	DRY	DRY
16-1	1815.38	67.39	1747.99	50.43	1764.95	43.07	1772.31	NM	NM
16-2	1810.28	55.85	1754.43	55.80	1754.48	56.44	1753.84	55.85	1754.43
16-3	1825.83	58.20	1767.63	58.20	1767.63	57.50	1768.33	57.40	1768.43
16-5	1742.60	5.60	1737.00	4.40	1738.20	4.36	1738.24	5.05	1737.55
16WC2A	1820.05	NM	NM	NM	NM	NM	NM	NM	NM
16WC2B	1820.61	55.48	1765.13	54.05	1766.56	53.10	1767.51	54.00	1766.61
16C3	1822.22	NM	NM	NM	NM	NM	NM	NM	NM
16CDH3(2)	1825.60	NM	NM	NM	NM	NM	NM	NM	NM
SPRING	na	na	na	na	na	na	na	na	na

NOTES:

DTW - Depth to water from ground surface.

GW ELEV - Groundwater elevation.

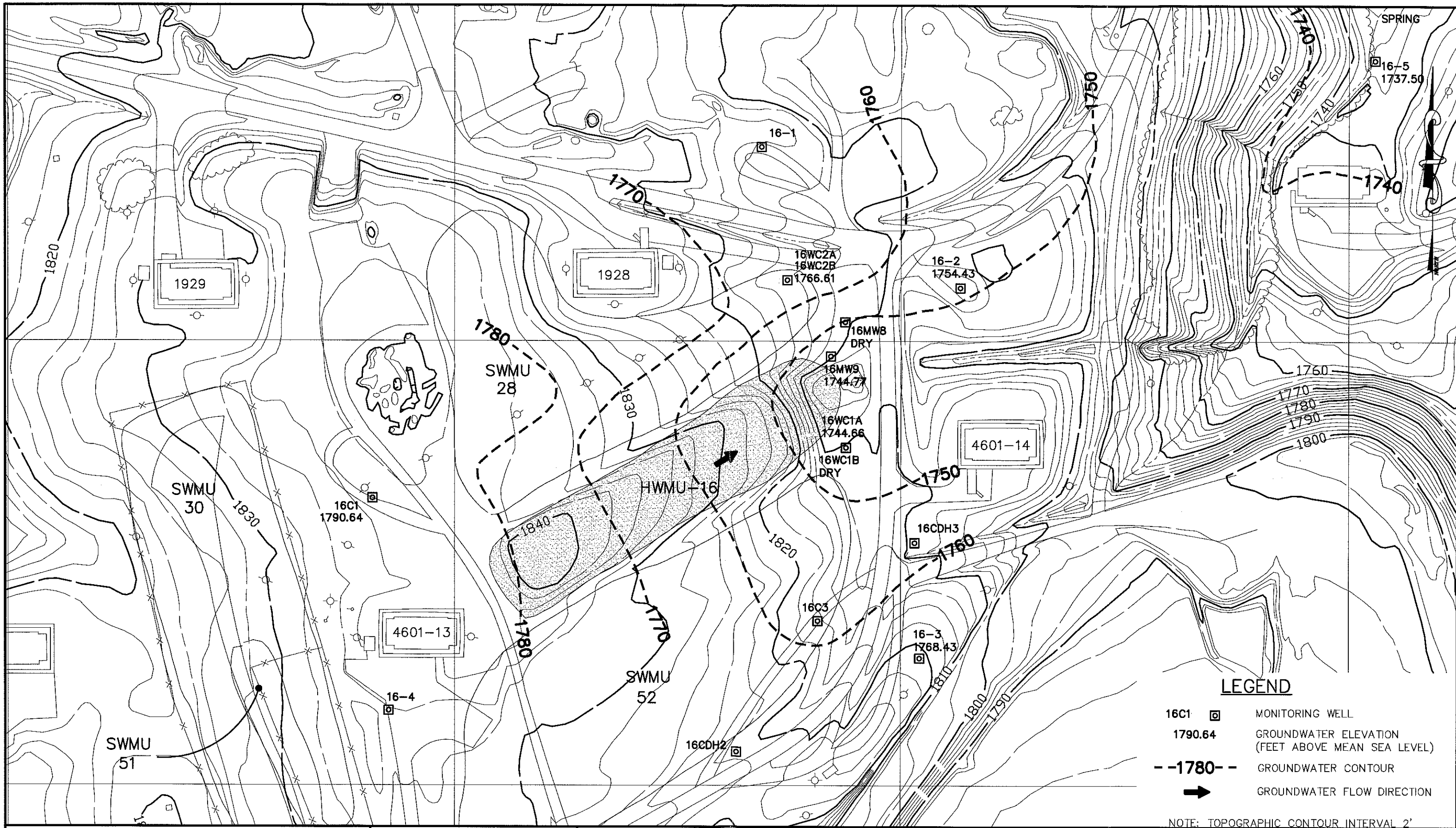
All elevations in feet above mean sea level.

NM - Not measured.

na - Not applicable.

FIGURE

**HWMU-16 POTENTIOMETRIC SURFACE MAP
FOURTH QUARTER 2001**



Draper Aden Associates
Engineering • Surveying • Environmental Services

2206 South Main Street
Blacksburg, VA 24060
540-552-0444 Fax: 540-552-0291

Richmond, VA
Charlottesville, VA
Raleigh-Durham, NC

**DESIGNED
DRAWN
CHECKED
DATE**

RGM
JFF/DRW
AEK
02/13/02

HWMU-16 POTENTIOMETRIC SURFACE MAP (FOURTH QUARTER 2001)
RADFORD ARMY AMMUNITION PLANT
RADFORD, VIRGINIA

SCALE: 1"=200'

PLAN NO. 7774-22

FIGURE

APPENDIX A

YEAR 2001 LABORATORY ANALYTICAL RESULTS

YEAR 2001 DETECTED GROUNDWATER ANALYTICAL RESULTS
HAZARDOUS WASTE MANAGEMENT UNIT 16
RADFORD ARMY AMMUNITION PLANT, RADFORD VIRGINIA

Concentrations in ug/L

Well	Sample Date	Berium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Zinc	Dichlorodifluoromethane	1,1-Dichloroethane	1,1,1-Trichloroethane	Trichlorofluoromethane	Total Organic Carbon	Total Organic Carbon Rep2	Total Organic Carbon Rep3	Total Organic Carbon Rep4	Total Organic Halides (TOX)	Total Organic Halides (TOX) Rep3
16C1 (Background)	3/14/01	161	-	-	-	-	-	-	-	-	22.3	4.1	5.83	3.17	2.42	-	-	-	-	-	-
	6/5/01	171	-	-	-	-	-	-	-	-	-	-	2.41	6.73	-	-	-	-	-	-	-
	8/3/01	159	-	-	-	-	-	-	-	-	-	2.88	8.78	4.26	-	-	-	-	-	-	-
	10/17/01	161	-	-	-	-	-	-	-	-	-	3.56	8.14	3.61	1.19	-	-	-	-	22	21.4
16-1	8/3/01	218	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/17/01	178	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/14/01	233	-	-	-	-	-	-	-	-	-	-	-	-	-	1000	1000	1000	1000	-	-
	6/5/01	270	-	-	-	-	-	-	-	-	12.1	-	-	-	-	-	-	-	-	-	-
16-2	8/3/01	213	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/17/01	205	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/14/01	655	-	-	-	-	-	-	-	-	-	-	-	-	-	1100	1200	1100	1000	-	-
	6/5/01	793	-	-	-	-	-	-	-	-	-	1.66	-	-	-	-	-	-	-	-	-
16-3	8/3/01	735	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/17/01	722	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/14/01	196	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/5/01	201	-	-	-	-	-	-	-	-	26.5	-	-	-	-	-	-	-	-	-	-
16-5	8/3/01	172	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/17/01	176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16MW9	3/14/01	390	2.39	-	28.5	7.94	11.9	9.37	1.2	29.1	54	-	4.26	-	-	-	-	-	-	-	-
	6/5/01	352	4.7	1.4	52.5	15.8	25.8	13.2	3.4	57.4	94.8	-	1.1	-	-	-	-	-	-	-	-
	8/3/01	363	3.83	1.92	31.4	10.9	23.6	14.5	-	39.1	99.1	-	-	-	-	-	-	-	-	-	-
	10/17/01	409	3.23	1.45	51.4	13.5	26.3	17.5	-	58	99.8	-	5.13	-	-	-	-	-	-	-	-
16SPRING	3/14/01	216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/5/01	245	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/3/01	212	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/17/01	202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16WC1A	3/14/01	197	-	-	-	10.4	-	-	-	-	-	-	1.15	-	-	-	-	1000	1000	-	-
	6/5/01	236	-	-	-	7.49	-	-	-	12.4	-	-	2.47	-	-	-	-	-	-	-	-
	8/3/01	275	-	-	-	5.71	-	-	-	-	-	-	3.53	-	-	-	-	-	-	-	-
	10/17/01	232	-	-	-	7.35	-	-	-	-	-	-	4.35	-	-	-	-	-	-	-	-
16WC1B	8/3/01	132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16WC2B	3/14/01	114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/5/01	131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/3/01	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/17/01	112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

- : Not detected

HWMU-16
First Quarter 2001

Site ID	Well ID	Coll. Date	Analyte	Units	Result	Quant Limit	Test No	Qualifiers
HWMU 16	16C1	3/13/2001	Cyanide, Total	µg/L	ND	20	SW9010B	
HWMU 16	16C1	3/13/2001	Mercury	µg/L	ND	1	SW7470	
HWMU 16	16C1	3/13/2001	2,4-Dinitrotoluene	µg/L	ND	10	SW8270C	
HWMU 16	16C1	3/13/2001	2,6-Dinitrotoluene	µg/L	ND	10	SW8270C	
HWMU 16	16C1	3/13/2001	Di-n-butyl phthalate	µg/L	ND	10	SW8270C	
HWMU 16	16C1	3/13/2001	1,1,1-Trichloroethane	µg/L	3.17	1	SW8260B	
HWMU 16	16C1	3/13/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16C1	3/13/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16C1	3/13/2001	1,1-Dichloroethane	µg/L	5.83	1	SW8260B	
HWMU 16	16C1	3/13/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16C1	3/13/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16C1	3/13/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	16C1	3/13/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	16C1	3/13/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16C1	3/13/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	16C1	3/13/2001	Dichlorodifluoromethane	µg/L	4.1	1	SW8260B	
HWMU 16	16C1	3/13/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	16C1	3/13/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	16C1	3/13/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	16C1	3/13/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16C1	3/13/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	16C1	3/13/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16C1	3/13/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16C1	3/13/2001	Trichlorofluoromethane	µg/L	2.42	1	SW8260B	
HWMU 16	16C1	3/13/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	16C1	3/13/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	16C1	3/13/2001	Antimony	µg/L	ND	1	SW6020	
HWMU 16	16C1	3/13/2001	Arsenic	µg/L	ND	10	SW6020	
HWMU 16	16C1	3/13/2001	Barium	µg/L	161	10	SW6020	
HWMU 16	16C1	3/13/2001	Beryllium	µg/L	ND	1	SW6020	
HWMU 16	16C1	3/13/2001	Cadmium	µg/L	ND	1	SW6020	
HWMU 16	16C1	3/13/2001	Chromium	µg/L	ND	5	SW6020	
HWMU 16	16C1	3/13/2001	Cobalt	µg/L	ND	5	SW6020	
HWMU 16	16C1	3/13/2001	Copper	µg/L	ND	5	SW6020	
HWMU 16	16C1	3/13/2001	Lead	µg/L	ND	1	SW6020	
HWMU 16	16C1	3/13/2001	Nickel	µg/L	ND	10	SW6020	
HWMU 16	16C1	3/13/2001	Silver	µg/L	ND	2	SW6020	
HWMU 16	16C1	3/13/2001	Thallium	µg/L	ND	1	SW6020	
HWMU 16	16C1	3/13/2001	Vanadium	µg/L	ND	50	SW6020	
HWMU 16	16C1	3/13/2001	Zinc	µg/L	22.3	10	SW6020	
HWMU 16	16C1	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16C1	3/13/2001	Selenium	µg/L	ND	10	SW7740	
HWMU 16	16C1	3/13/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16C1 REP 2	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16C1 REP 2	3/13/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16C1 REP 3	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16C1 REP 3	3/13/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16C1 REP 4	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16C1 REP 4	3/13/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16C1	3/13/2001	2378-TCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16C1	3/13/2001	12378-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16C1	3/13/2001	23478-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16C1	3/13/2001	123478-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16C1	3/13/2001	123678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16C1	3/13/2001	234678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16C1	3/13/2001	123789-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16C1	3/13/2001	1234678-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16C1	3/13/2001	1234789-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16C1	3/13/2001	12346789-OCDF	ppt	ND	0.4	SW8280A	
HWMU 16	16WC2B	3/13/2001	Cyanide, Total	µg/L	ND	20	SW9010B	
HWMU 16	16WC2B	3/13/2001	Mercury	µg/L	ND	1	SW7470	
HWMU 16	16WC2B	3/13/2001	2,4-Dinitrotoluene	µg/L	ND	10	SW8270C	
HWMU 16	16WC2B	3/13/2001	2,6-Dinitrotoluene	µg/L	ND	10	SW8270C	
HWMU 16	16WC2B	3/13/2001	Di-n-butyl phthalate	µg/L	ND	10	SW8270C	
HWMU 16	16WC2B	3/13/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B	3/13/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B	3/13/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B	3/13/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B	3/13/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	

HWMU-16
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Site ID	Well ID	Coll. Date	Analyte	Units	Result	Quant Limit	Test No	Qualifiers
HWMU 16	16WC2B	3/13/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B	3/13/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B	3/13/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B	3/13/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B	3/13/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B	3/13/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B	3/13/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B	3/13/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	16WC2B	3/13/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B	3/13/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B	3/13/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B	3/13/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B	3/13/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B	3/13/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B	3/13/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B	3/13/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	16WC2B	3/13/2001	Antimony	µg/L	ND	1	SW6020	
HWMU 16	16WC2B	3/13/2001	Arsenic	µg/L	ND	10	SW6020	
HWMU 16	16WC2B	3/13/2001	Barium	µg/L	114	10	SW6020	
HWMU 16	16WC2B	3/13/2001	Beryllium	µg/L	ND	1	SW6020	
HWMU 16	16WC2B	3/13/2001	Cadmium	µg/L	ND	1	SW6020	
HWMU 16	16WC2B	3/13/2001	Chromium	µg/L	ND	5	SW6020	
HWMU 16	16WC2B	3/13/2001	Cobalt	µg/L	ND	5	SW6020	
HWMU 16	16WC2B	3/13/2001	Copper	µg/L	ND	5	SW6020	
HWMU 16	16WC2B	3/13/2001	Lead	µg/L	ND	1	SW6020	
HWMU 16	16WC2B	3/13/2001	Nickel	µg/L	ND	10	SW6020	
HWMU 16	16WC2B	3/13/2001	Silver	µg/L	ND	2	SW6020	
HWMU 16	16WC2B	3/13/2001	Thallium	µg/L	ND	1	SW6020	
HWMU 16	16WC2B	3/13/2001	Vanadium	µg/L	ND	50	SW6020	
HWMU 16	16WC2B	3/13/2001	Zinc	µg/L	ND	10	SW6020	
HWMU 16	16WC2B	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16WC2B	3/13/2001	Selenium	µg/L	ND	10	SW7740	
HWMU 16	16WC2B	3/13/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16WC2B REP 2	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16WC2B REP 2	3/13/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16WC2B REP 3	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16WC2B REP 3	3/13/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16WC2B REP 4	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16WC2B REP 4	3/13/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16WC2B	3/13/2001	2378-TCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16WC2B	3/13/2001	12378-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC2B	3/13/2001	23478-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC2B	3/13/2001	123478-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16WC2B	3/13/2001	123678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC2B	3/13/2001	234678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC2B	3/13/2001	123789-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC2B	3/13/2001	1234678-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC2B	3/13/2001	1234789-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC2B	3/13/2001	12346789-OCDF	ppt	ND	0.4	SW8280A	
HWMU 16	16-5	3/13/2001	Cyanide, Total	µg/L	ND	20	SW9010B	
HWMU 16	16-5	3/13/2001	Mercury	µg/L	ND	1	SW7470	
HWMU 16	16-5	3/13/2001	2,4-Dinitrotoluene	µg/L	ND	10	SW8270C	
HWMU 16	16-5	3/13/2001	2,6-Dinitrotoluene	µg/L	ND	10	SW8270C	
HWMU 16	16-5	3/13/2001	Di-n-butyl phthalate	µg/L	ND	10	SW8270C	
HWMU 16	16-5	3/13/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-5	3/13/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-5	3/13/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-5	3/13/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-5	3/13/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-5	3/13/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16-5	3/13/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	16-5	3/13/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	16-5	3/13/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16-5	3/13/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	16-5	3/13/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16-5	3/13/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	16-5	3/13/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	16-5	3/13/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	16-5	3/13/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	

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Site ID	Well ID	Coll. Date	Analyte	Units	Result	Quant Limit	Test No	Qualifiers
HWMU 16	16-5	3/13/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	16-5	3/13/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16-5	3/13/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16-5	3/13/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16-5	3/13/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	16-5	3/13/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	16-5	3/13/2001	Antimony	µg/L	ND	1	SW6020	
HWMU 16	16-5	3/13/2001	Arsenic	µg/L	ND	10	SW6020	
HWMU 16	16-5	3/13/2001	Barium	µg/L	196	10	SW6020	
HWMU 16	16-5	3/13/2001	Beryllium	µg/L	ND	1	SW6020	
HWMU 16	16-5	3/13/2001	Cadmium	µg/L	ND	1	SW6020	
HWMU 16	16-5	3/13/2001	Chromium	µg/L	ND	5	SW6020	
HWMU 16	16-5	3/13/2001	Cobalt	µg/L	ND	5	SW6020	
HWMU 16	16-5	3/13/2001	Copper	µg/L	ND	5	SW6020	
HWMU 16	16-5	3/13/2001	Lead	µg/L	ND	1	SW6020	
HWMU 16	16-5	3/13/2001	Nickel	µg/L	ND	10	SW6020	
HWMU 16	16-5	3/13/2001	Silver	µg/L	ND	2	SW6020	
HWMU 16	16-5	3/13/2001	Thallium	µg/L	ND	1	SW6020	
HWMU 16	16-5	3/13/2001	Vanadium	µg/L	ND	50	SW6020	
HWMU 16	16-5	3/13/2001	Zinc	µg/L	ND	10	SW6020	
HWMU 16	16-5	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-5	3/13/2001	Selenium	µg/L	ND	10	SW7740	
HWMU 16	16-5	3/13/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16-5 REP 2	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-5 REP 2	3/13/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16-5 REP 3	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-5 REP 3	3/13/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16-5 REP 4	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-5 REP 4	3/13/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16-5	3/13/2001	2378-TCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16-5	3/13/2001	12378-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-5	3/13/2001	23478-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-5	3/13/2001	123478-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16-5	3/13/2001	123678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-5	3/13/2001	234678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-5	3/13/2001	123789-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-5	3/13/2001	1234678-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-5	3/13/2001	1234789-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-5	3/13/2001	12346789-OCDF	ppt	ND	0.4	SW8280A	
HWMU 16	16-3	3/13/2001	Cyanide, Total	µg/L	ND	20	SW9010B	
HWMU 16	16-3	3/13/2001	Mercury	µg/L	ND	1	SW7470	
HWMU 16	16-3	3/13/2001	2,4-Dinitrotoluene	µg/L	ND	10	SW8270C	
HWMU 16	16-3	3/13/2001	2,6-Dinitrotoluene	µg/L	ND	10	SW8270C	
HWMU 16	16-3	3/13/2001	Di-n-butyl phthalate	µg/L	ND	10	SW8270C	
HWMU 16	16-3	3/13/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-3	3/13/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-3	3/13/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-3	3/13/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-3	3/13/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-3	3/13/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16-3	3/13/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	16-3	3/13/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	16-3	3/13/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16-3	3/13/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	16-3	3/13/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16-3	3/13/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	16-3	3/13/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	16-3	3/13/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	16-3	3/13/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16-3	3/13/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	16-3	3/13/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16-3	3/13/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16-3	3/13/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16-3	3/13/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	16-3	3/13/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	16-3	3/13/2001	Antimony	µg/L	ND	1	SW6020	
HWMU 16	16-3	3/13/2001	Arsenic	µg/L	ND	10	SW6020	
HWMU 16	16-3	3/13/2001	Barium	µg/L	655	10	SW6020	
HWMU 16	16-3	3/13/2001	Beryllium	µg/L	ND	1	SW6020	

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Site ID	Well ID	Coll. Date	Analyte	Units	Result	Quant Limit	Test No	Qualifiers
HWMU 16	16-3	3/13/2001	Cadmium	µg/L	ND	1	SW6020	
HWMU 16	16-3	3/13/2001	Chromium	µg/L	ND	5	SW6020	
HWMU 16	16-3	3/13/2001	Cobalt	µg/L	ND	5	SW6020	
HWMU 16	16-3	3/13/2001	Copper	µg/L	ND	5	SW6020	
HWMU 16	16-3	3/13/2001	Lead	µg/L	ND	1	SW6020	
HWMU 16	16-3	3/13/2001	Nickel	µg/L	ND	10	SW6020	
HWMU 16	16-3	3/13/2001	Silver	µg/L	ND	2	SW6020	
HWMU 16	16-3	3/13/2001	Thallium	µg/L	ND	1	SW6020	
HWMU 16	16-3	3/13/2001	Vanadium	µg/L	ND	50	SW6020	
HWMU 16	16-3	3/13/2001	Zinc	µg/L	ND	10	SW6020	
HWMU 16	16-3	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-3	3/13/2001	Selenium	µg/L	ND	10	SW7740	
HWMU 16	16-3	3/13/2001	Total Organic Carbon	µg/L	1100	1,000	SW9060	
HWMU 16	16-3 REP 2	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-3 REP 2	3/13/2001	Total Organic Carbon	µg/L	1200	1,000	SW9060	
HWMU 16	16-3 REP 3	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-3 REP 3	3/13/2001	Total Organic Carbon	µg/L	1100	1,000	SW9060	
HWMU 16	16-3 REP 4	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-3 REP 4	3/13/2001	Total Organic Carbon	µg/L	1000	1,000	SW9060	
HWMU 16	16-3	3/13/2001	2378-TCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16-3	3/13/2001	12378-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-3	3/13/2001	23478-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-3	3/13/2001	123478-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16-3	3/13/2001	123678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-3	3/13/2001	234678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-3	3/13/2001	123789-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-3	3/13/2001	1234678-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-3	3/13/2001	1234789-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-3	3/13/2001	12346789-OCDF	ppt	ND	0.4	SW8280A	
HWMU 16	16-2	3/13/2001	Cyanide, Total	µg/L	ND	20	SW9010B	
HWMU 16	16-2	3/13/2001	Mercury	µg/L	ND	1	SW7470	
HWMU 16	16-2	3/13/2001	2,4-Dinitrotoluene	µg/L	ND	10	SW8270C	
HWMU 16	16-2	3/13/2001	2,6-Dinitrotoluene	µg/L	ND	10	SW8270C	
HWMU 16	16-2	3/13/2001	Di-n-butyl phthalate	µg/L	ND	10	SW8270C	
HWMU 16	16-2	3/13/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-2	3/13/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-2	3/13/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-2	3/13/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-2	3/13/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-2	3/13/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16-2	3/13/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	16-2	3/13/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	16-2	3/13/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16-2	3/13/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	16-2	3/13/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16-2	3/13/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	16-2	3/13/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	16-2	3/13/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	16-2	3/13/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16-2	3/13/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	16-2	3/13/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16-2	3/13/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16-2	3/13/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16-2	3/13/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	16-2	3/13/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	16-2	3/13/2001	Antimony	µg/L	ND	1	SW6020	
HWMU 16	16-2	3/13/2001	Arsenic	µg/L	ND	10	SW6020	
HWMU 16	16-2	3/13/2001	Barium	µg/L	233	10	SW6020	
HWMU 16	16-2	3/13/2001	Beryllium	µg/L	ND	1	SW6020	
HWMU 16	16-2	3/13/2001	Cadmium	µg/L	ND	1	SW6020	
HWMU 16	16-2	3/13/2001	Chromium	µg/L	ND	5	SW6020	
HWMU 16	16-2	3/13/2001	Cobalt	µg/L	ND	5	SW6020	
HWMU 16	16-2	3/13/2001	Copper	µg/L	ND	5	SW6020	
HWMU 16	16-2	3/13/2001	Lead	µg/L	ND	1	SW6020	
HWMU 16	16-2	3/13/2001	Nickel	µg/L	ND	10	SW6020	
HWMU 16	16-2	3/13/2001	Silver	µg/L	ND	2	SW6020	
HWMU 16	16-2	3/13/2001	Thallium	µg/L	ND	1	SW6020	
HWMU 16	16-2	3/13/2001	Vanadium	µg/L	ND	50	SW6020	
HWMU 16	16-2	3/13/2001	Zinc	µg/L	ND	10	SW6020	

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Site ID	Well ID	Coll. Date	Analyte	Units	Result	Quant Limit	Test No	Qualifiers
HWMU 16	16-2	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-2	3/13/2001	Selenium	µg/L	ND	10	SW7740	
HWMU 16	16-2	3/13/2001	Total Organic Carbon	µg/L	1000	1,000	SW9060	
HWMU 16	16-2 REP 2	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-2 REP 2	3/13/2001	Total Organic Carbon	µg/L	1000	1,000	SW9060	
HWMU 16	16-2 REP 3	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-2 REP 3	3/13/2001	Total Organic Carbon	µg/L	1000	1,000	SW9060	
HWMU 16	16-2 REP 4	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-2 REP 4	3/13/2001	Total Organic Carbon	µg/L	1000	1,000	SW9060	
HWMU 16	16-2	3/13/2001	2378-TCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16-2	3/13/2001	12378-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-2	3/13/2001	23478-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-2	3/13/2001	123478-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16-2	3/13/2001	123678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-2	3/13/2001	234678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-2	3/13/2001	123789-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-2	3/13/2001	1234678-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-2	3/13/2001	1234789-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-2	3/13/2001	12346789-OCDF	ppt	ND	0.4	SW8280A	
HWMU 16	16WC1A	3/13/2001	Cyanide, Total	µg/L	ND	20	SW9010B	
HWMU 16	16WC1A	3/13/2001	Mercury	µg/L	ND	1	SW7470	
HWMU 16	16WC1A	3/13/2001	2,4-Dinitrotoluene	µg/L	ND	10	SW8270C	
HWMU 16	16WC1A	3/13/2001	2,6-Dinitrotoluene	µg/L	ND	10	SW8270C	
HWMU 16	16WC1A	3/13/2001	Di-n-butyl phthalate	µg/L	ND	10	SW8270C	
HWMU 16	16WC1A	3/13/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A	3/13/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A	3/13/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A	3/13/2001	1,1-Dichloroethane	µg/L	1.15	1	SW8260B	
HWMU 16	16WC1A	3/13/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A	3/13/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A	3/13/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A	3/13/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A	3/13/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A	3/13/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A	3/13/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A	3/13/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A	3/13/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	16WC1A	3/13/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A	3/13/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A	3/13/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A	3/13/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A	3/13/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A	3/13/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A	3/13/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A	3/13/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	16WC1A	3/13/2001	Antimony	µg/L	ND	1	SW6020	
HWMU 16	16WC1A	3/13/2001	Arsenic	µg/L	ND	10	SW6020	
HWMU 16	16WC1A	3/13/2001	Barium	µg/L	197	10	SW6020	
HWMU 16	16WC1A	3/13/2001	Beryllium	µg/L	ND	1	SW6020	
HWMU 16	16WC1A	3/13/2001	Cadmium	µg/L	ND	1	SW6020	
HWMU 16	16WC1A	3/13/2001	Chromium	µg/L	ND	5	SW6020	
HWMU 16	16WC1A	3/13/2001	Cobalt	µg/L	10.4	5	SW6020	
HWMU 16	16WC1A	3/13/2001	Copper	µg/L	ND	5	SW6020	
HWMU 16	16WC1A	3/13/2001	Lead	µg/L	ND	1	SW6020	
HWMU 16	16WC1A	3/13/2001	Nickel	µg/L	ND	10	SW6020	
HWMU 16	16WC1A	3/13/2001	Silver	µg/L	ND	2	SW6020	
HWMU 16	16WC1A	3/13/2001	Thallium	µg/L	ND	1	SW6020	
HWMU 16	16WC1A	3/13/2001	Vanadium	µg/L	ND	50	SW6020	
HWMU 16	16WC1A	3/13/2001	Zinc	µg/L	ND	10	SW6020	
HWMU 16	16WC1A	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16WC1A	3/13/2001	Selenium	µg/L	ND	10	SW7740	
HWMU 16	16WC1A	3/13/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16WC1A REP 2	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16WC1A REP 2	3/13/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16WC1A REP 3	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16WC1A REP 3	3/13/2001	Total Organic Carbon	µg/L	1000	1,000	SW9060	
HWMU 16	16WC1A REP 4	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16WC1A REP 4	3/13/2001	Total Organic Carbon	µg/L	1000	1,000	SW9060	
HWMU 16	16WC1A	3/13/2001	2378-TCDF	ppt	ND	0.1	SW8280A	

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Site ID	Well ID	Coll. Date	Analyte	Units	Result	Quant Limit	Test No	Qualifiers
HWMU 16	16WC1A	3/13/2001	12378-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC1A	3/13/2001	23478-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC1A	3/13/2001	123478-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16WC1A	3/13/2001	123678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC1A	3/13/2001	234678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC1A	3/13/2001	123789-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC1A	3/13/2001	1234678-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC1A	3/13/2001	1234789-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC1A	3/13/2001	12346789-OCDF	ppt	ND	0.4	SW8280A	
HWMU 16	16 MW9	3/13/2001	Cyanide, Total	µg/L	ND	20	SW9010B	
HWMU 16	16 MW9	3/13/2001	Mercury	µg/L	1.2	1	SW7470	
HWMU 16	16 MW9	3/13/2001	2,4-Dinitrotoluene	µg/L	ND	10	SW8270C	
HWMU 16	16 MW9	3/13/2001	2,6-Dinitrotoluene	µg/L	ND	10	SW8270C	
HWMU 16	16 MW9	3/13/2001	Di-n-butyl phthalate	µg/L	ND	10	SW8270C	
HWMU 16	16 MW9	3/13/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16 MW9	3/13/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16 MW9	3/13/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16 MW9	3/13/2001	1,1-Dichloroethane	µg/L	4.26	1	SW8260B	
HWMU 16	16 MW9	3/13/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16 MW9	3/13/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16 MW9	3/13/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	16 MW9	3/13/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	16 MW9	3/13/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16 MW9	3/13/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	16 MW9	3/13/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16 MW9	3/13/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	16 MW9	3/13/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	16 MW9	3/13/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	16 MW9	3/13/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16 MW9	3/13/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	16 MW9	3/13/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16 MW9	3/13/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16 MW9	3/13/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16 MW9	3/13/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	16 MW9	3/13/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	16 MW9	3/13/2001	Antimony	µg/L	ND	1	SW6020	
HWMU 16	16 MW9	3/13/2001	Arsenic	µg/L	ND	10	SW6020	
HWMU 16	16 MW9	3/13/2001	Barium	µg/L	390	10	SW6020	
HWMU 16	16 MW9	3/13/2001	Beryllium	µg/L	2.39	1	SW6020	
HWMU 16	16 MW9	3/13/2001	Cadmium	µg/L	ND	1	SW6020	
HWMU 16	16 MW9	3/13/2001	Chromium	µg/L	28.5	5	SW6020	
HWMU 16	16 MW9	3/13/2001	Cobalt	µg/L	7.94	5	SW6020	
HWMU 16	16 MW9	3/13/2001	Copper	µg/L	11.9	5	SW6020	
HWMU 16	16 MW9	3/13/2001	Lead	µg/L	9.37	1	SW6020	
HWMU 16	16 MW9	3/13/2001	Nickel	µg/L	29.1	10	SW6020	
HWMU 16	16 MW9	3/13/2001	Silver	µg/L	ND	2	SW6020	
HWMU 16	16 MW9	3/13/2001	Thallium	µg/L	ND	1	SW6020	
HWMU 16	16 MW9	3/13/2001	Vanadium	µg/L	ND	50	SW6020	
HWMU 16	16 MW9	3/13/2001	Zinc	µg/L	54	10	SW6020	
HWMU 16	16 MW9	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16 MW9	3/13/2001	Selenium	µg/L	ND	10	SW7740	
HWMU 16	16 MW9	3/13/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	MW9 REP 2	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	MW9 REP 2	3/13/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	MW9 REP 3	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	MW9 REP 3	3/13/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	MW9 REP 4	3/13/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	MW9 REP 4	3/13/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16 MW9	3/13/2001	2378-TCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16 MW9	3/13/2001	12378-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 MW9	3/13/2001	23478-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 MW9	3/13/2001	123478-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16 MW9	3/13/2001	123678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 MW9	3/13/2001	234678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 MW9	3/13/2001	123789-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 MW9	3/13/2001	1234678-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 MW9	3/13/2001	1234789-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 MW9	3/13/2001	12346789-OCDF	ppt	ND	0.4	SW8280A	
HWMU 16	TRIP BLANK	3/13/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	

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Site ID	Well ID	Coll. Date	Analyte	Units	Result	Quant Limit	Test No	Qualifiers
HWMU 16	TRIP BLANK	3/13/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/13/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/13/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/13/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/13/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/13/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/13/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/13/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/13/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/13/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/13/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/13/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	TRIP BLANK	3/13/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/13/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/13/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/13/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/13/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/13/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/13/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/13/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	Cyanide, Total	µg/L	ND	20	SW9010B	
HWMU 16	16 SPRNG	3/14/2001	Selenium	µg/L	ND	20	SW7740	
HWMU 16	16 SPRNG	3/14/2001	Mercury	µg/L	ND	1	SW7470	
HWMU 16	16 SPRNG	3/14/2001	2,4-Dinitrotoluene	µg/L	ND	10	SW8270C	
HWMU 16	16 SPRNG	3/14/2001	2,6-Dinitrotoluene	µg/L	ND	10	SW8270C	
HWMU 16	16 SPRNG	3/14/2001	Di-n-butyl phthalate	µg/L	ND	10	SW8270C	
HWMU 16	16 SPRNG	3/14/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	16 SPRNG	3/14/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16 SPRNG	3/14/2001	Antimony	µg/L	ND	1	SW6020	
HWMU 16	16 SPRNG	3/14/2001	Arsenic	µg/L	ND	10	SW6020	
HWMU 16	16 SPRNG	3/14/2001	Barium	µg/L	216	10	SW6020	
HWMU 16	16 SPRNG	3/14/2001	Beryllium	µg/L	ND	1	SW6020	
HWMU 16	16 SPRNG	3/14/2001	Cadmium	µg/L	ND	1	SW6020	
HWMU 16	16 SPRNG	3/14/2001	Chromium	µg/L	ND	5	SW6020	
HWMU 16	16 SPRNG	3/14/2001	Cobalt	µg/L	ND	5	SW6020	
HWMU 16	16 SPRNG	3/14/2001	Copper	µg/L	ND	5	SW6020	
HWMU 16	16 SPRNG	3/14/2001	Lead	µg/L	ND	1	SW6020	
HWMU 16	16 SPRNG	3/14/2001	Nickel	µg/L	ND	10	SW6020	
HWMU 16	16 SPRNG	3/14/2001	Silver	µg/L	ND	2	SW6020	
HWMU 16	16 SPRNG	3/14/2001	Thallium	µg/L	ND	1	SW6020	
HWMU 16	16 SPRNG	3/14/2001	Zinc	µg/L	ND	10	SW6020	
HWMU 16	16 SPRNG	3/14/2001	Vanadium	µg/L	ND	50	SW6020	
HWMU 16	16 SPRNG	3/14/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16 SPRNG REP-2	3/14/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16 SPRNG REP-2	3/14/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16 SPRNG REP-2	3/14/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16 SPRNG REP-2	3/14/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16 SPRNG REP-2	3/14/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16 SPRNG REP-2	3/14/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	

HWMU-16
First Quarter 2001

Site ID	Well ID	Coll. Date	Analyte	Units	Result	Quant Limit	Test No	Qualifiers
HWMU 16	16 SPRNG	3/14/2001	2378-TCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16 SPRNG	3/14/2001	12378-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 SPRNG	3/14/2001	23478-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 SPRNG	3/14/2001	123478-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16 SPRNG	3/14/2001	123678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 SPRNG	3/14/2001	234678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 SPRNG	3/14/2001	123789-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 SPRNG	3/14/2001	1234678-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 SPRNG	3/14/2001	1234789-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 SPRNG	3/14/2001	12346789-OCDF	ppt	ND	0.4	SW8280A	
HWMU 16	DUPLICATE	3/14/2001	Cyanide, Total	µg/L	ND	20	SW9010B	
HWMU 16	DUPLICATE	3/14/2001	Selenium	µg/L	ND	20	SW7740	
HWMU 16	DUPLICATE	3/14/2001	Mercury	µg/L	ND	1	SW7470	
HWMU 16	DUPLICATE	3/14/2001	2,4-Dinitrotoluene	µg/L	ND	10	SW8270C	
HWMU 16	DUPLICATE	3/14/2001	2,6-Dinitrotoluene	µg/L	ND	10	SW8270C	
HWMU 16	DUPLICATE	3/14/2001	Di-n-butyl phthalate	µg/L	ND	10	SW8270C	
HWMU 16	DUPLICATE	3/14/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	DUPLICATE	3/14/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	DUPLICATE	3/14/2001	Antimony	µg/L	ND	1	SW6020	
HWMU 16	DUPLICATE	3/14/2001	Arsenic	µg/L	ND	10	SW6020	
HWMU 16	DUPLICATE	3/14/2001	Barium	µg/L	217	10	SW6020	
HWMU 16	DUPLICATE	3/14/2001	Beryllium	µg/L	ND	1	SW6020	
HWMU 16	DUPLICATE	3/14/2001	Cadmium	µg/L	ND	1	SW6020	
HWMU 16	DUPLICATE	3/14/2001	Chromium	µg/L	ND	5	SW6020	
HWMU 16	DUPLICATE	3/14/2001	Cobalt	µg/L	ND	5	SW6020	
HWMU 16	DUPLICATE	3/14/2001	Copper	µg/L	ND	5	SW6020	
HWMU 16	DUPLICATE	3/14/2001	Lead	µg/L	ND	1	SW6020	
HWMU 16	DUPLICATE	3/14/2001	Nickel	µg/L	ND	10	SW6020	
HWMU 16	DUPLICATE	3/14/2001	Silver	µg/L	ND	2	SW6020	
HWMU 16	DUPLICATE	3/14/2001	Thallium	µg/L	ND	1	SW6020	
HWMU 16	DUPLICATE	3/14/2001	Zinc	µg/L	ND	10	SW6020	
HWMU 16	DUPLICATE	3/14/2001	Vanadium	µg/L	ND	50	SW6020	
HWMU 16	DUPLICATE	3/14/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	DUPLICATE REP-2	3/14/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	DUPLICATE REP-2	3/14/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	DUPLICATE REP-3	3/14/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	DUPLICATE REP-3	3/14/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	DUPLICATE REP-4	3/14/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	DUPLICATE REP-4	3/14/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	DUPLICATE	3/14/2001	2378-TCDF	ppt	ND	0.1	SW8280A	
HWMU 16	DUPLICATE	3/14/2001	12378-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	DUPLICATE	3/14/2001	23478-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	DUPLICATE	3/14/2001	123478-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	DUPLICATE	3/14/2001	123678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	DUPLICATE	3/14/2001	234678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	DUPLICATE	3/14/2001	123789-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	DUPLICATE	3/14/2001	1234678-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	DUPLICATE	3/14/2001	1234789-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	DUPLICATE	3/14/2001	12346789-OCDF	ppt	ND	0.4	SW8280A	

HWMU-16
First Quarter 2001

Site ID	Well ID	Coll. Date	Analyte	Units	Result	Quant Limit	Test No	Qualifiers
HWMU 16	TRIP BLANK	3/14/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK	3/14/2001	2-Butanone	µg/L	ND	10	SW8260B	

HWMU-16
Second Quarter 2001

SiteID	Samp ID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
HWMU 16	16C1-A	5/31/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
HWMU 16	16C1-A	5/31/2001	Mercury	µg/L	ND	1	SW7470	
HWMU 16	16C1-A	5/31/2001	2,4-Dinitrotoluene	µg/L	ND	9	SW8270C	
HWMU 16	16C1-A	5/31/2001	2,6-Dinitrotoluene	µg/L	ND	9	SW8270C	
HWMU 16	16C1-A	5/31/2001	Di-n-butyl phthalate	µg/L	ND	9	SW8270C	
HWMU 16	16C1-A	5/31/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16C1-A	5/31/2001	1,1,2,2-Tetrachloroethane	µg/L	6.73	1	SW8260B	
HWMU 16	16C1-A	5/31/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16C1-A	5/31/2001	1,1-Dichloroethane	µg/L	2.41	1	SW8260B	
HWMU 16	16C1-A	5/31/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16C1-A	5/31/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16C1-A	5/31/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	16C1-A	5/31/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	16C1-A	5/31/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16C1-A	5/31/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	16C1-A	5/31/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16C1-A	5/31/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	16C1-A	5/31/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	16C1-A	5/31/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	16C1-A	5/31/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16C1-A	5/31/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	16C1-A	5/31/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16C1-A	5/31/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16C1-A	5/31/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16C1-A	5/31/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	16C1-A	5/31/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	16C1-A	5/31/2001	Antimony	µg/L	ND	1	SW6020	
HWMU 16	16C1-A	5/31/2001	Arsenic	µg/L	ND	10	SW6020	
HWMU 16	16C1-A	5/31/2001	Barium	µg/L	171	10	SW6020	
HWMU 16	16C1-A	5/31/2001	Beryllium	µg/L	ND	1	SW6020	
HWMU 16	16C1-A	5/31/2001	Cadmium	µg/L	ND	1	SW6020	
HWMU 16	16C1-A	5/31/2001	Chromium	µg/L	ND	5	SW6020	
HWMU 16	16C1-A	5/31/2001	Cobalt	µg/L	ND	5	SW6020	
HWMU 16	16C1-A	5/31/2001	Copper	µg/L	ND	5	SW6020	
HWMU 16	16C1-A	5/31/2001	Lead	µg/L	ND	1	SW6020	
HWMU 16	16C1-A	5/31/2001	Nickel	µg/L	ND	10	SW6020	
HWMU 16	16C1-A	5/31/2001	Silver	µg/L	ND	2	SW6020	
HWMU 16	16C1-A	5/31/2001	Thallium	µg/L	ND	1	SW6020	
HWMU 16	16C1-A	5/31/2001	Vanadium	µg/L	ND	50	SW6020	
HWMU 16	16C1-A	5/31/2001	Zinc	µg/L	ND	10	SW6020	
HWMU 16	16C1-A	5/31/2001	Selenium	µg/L	ND	10	SW7740	
HWMU 16	16C1-A	5/31/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16C1-A	5/31/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16C1-B	5/31/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16C1-B	5/31/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16C1-C	5/31/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16C1-C	5/31/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16C1-D	5/31/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16C1-D	5/31/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16C1	5/31/2001	2378-TCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16C1	5/31/2001	12378-PeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16C1	5/31/2001	23478-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16C1	5/31/2001	123478-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16C1	5/31/2001	123678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16C1	5/31/2001	234678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16C1	5/31/2001	123789-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16C1	5/31/2001	1234678-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16C1	5/31/2001	1234789-HpCDF	ppt	ND	0.3	SW8280A	
HWMU 16	16C1	5/31/2001	12346789-OCDF	ppt	ND	0.5	SW8280A	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	Chlorobenzene	µg/L	ND	1	SW8260B	

HWMU-16
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SiteID	Samp ID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 5/31/01	5/31/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	16MV9-A	6/1/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
HWMU 16	16MV9-A	6/1/2001	Mercury	µg/L	3.4	1	SW7470	
HWMU 16	16MV9-A	6/1/2001	2,4-Dinitrotoluene	µg/L	ND	8	SW8270C	
HWMU 16	16MV9-A	6/1/2001	2,6-Dinitrotoluene	µg/L	ND	8	SW8270C	
HWMU 16	16MV9-A	6/1/2001	Di-n-butyl phthalate	µg/L	ND	8	SW8270C	
HWMU 16	16MV9-A	6/1/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16MV9-A	6/1/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16MV9-A	6/1/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16MV9-A	6/1/2001	1,1-Dichloroethane	µg/L	1.1	1	SW8260B	
HWMU 16	16MV9-A	6/1/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16MV9-A	6/1/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16MV9-A	6/1/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	16MV9-A	6/1/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	16MV9-A	6/1/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16MV9-A	6/1/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	16MV9-A	6/1/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16MV9-A	6/1/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	16MV9-A	6/1/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	16MV9-A	6/1/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	16MV9-A	6/1/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16MV9-A	6/1/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	16MV9-A	6/1/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16MV9-A	6/1/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16MV9-A	6/1/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16MV9-A	6/1/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	16MV9-A	6/1/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	16MV9-A	6/1/2001	Antimony	µg/L	ND	1	SW6020	
HWMU 16	16MV9-A	6/1/2001	Arsenic	µg/L	ND	10	SW6020	
HWMU 16	16MV9-A	6/1/2001	Barium	µg/L	352	10	SW6020	
HWMU 16	16MV9-A	6/1/2001	Beryllium	µg/L	4.7	1	SW6020	
HWMU 16	16MV9-A	6/1/2001	Cadmium	µg/L	1.4	1	SW6020	
HWMU 16	16MV9-A	6/1/2001	Chromium	µg/L	52.5	5	SW6020	
HWMU 16	16MV9-A	6/1/2001	Cobalt	µg/L	15.8	5	SW6020	
HWMU 16	16MV9-A	6/1/2001	Copper	µg/L	25.8	5	SW6020	
HWMU 16	16MV9-A	6/1/2001	Lead	µg/L	13.2	1	SW6020	
HWMU 16	16MV9-A	6/1/2001	Nickel	µg/L	57.4	10	SW6020	
HWMU 16	16MV9-A	6/1/2001	Silver	µg/L	ND	2	SW6020	
HWMU 16	16MV9-A	6/1/2001	Thallium	µg/L	ND	1	SW6020	
HWMU 16	16MV9-A	6/1/2001	Vanadium	µg/L	ND	50	SW6020	
HWMU 16	16MV9-A	6/1/2001	Zinc	µg/L	94.8	10	SW6020	
HWMU 16	16MV9-A	6/1/2001	Selenium	µg/L	ND	10	SW7740	
HWMU 16	16MV9-A	6/1/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16MV9-A	6/1/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16MV9-B	6/1/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16MV9-B	6/1/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16MV9-C	6/1/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16MV9-C	6/1/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16MV9-D	6/1/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16MV9-D	6/1/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16 MW9	6/1/2001	2378-TCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 MW9	6/1/2001	12378-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 MW9	6/1/2001	23478-PeCDF	ppt	ND	0.3	SW8280A	
HWMU 16	16 MW9	6/1/2001	123478-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 MW9	6/1/2001	123678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 MW9	6/1/2001	234678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 MW9	6/1/2001	123789-HeCDF	ppt	ND	0.2	SW8280A	

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SiteID	Samp ID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
HWMU 16	16 MW9	6/1/2001	1234678-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 MW9	6/1/2001	1234789-HpCDF	ppt	ND	0.3	SW8280A	
HWMU 16	16 MW9	6/1/2001	12346789-OCDF	ppt	ND	0.5	SW8280A	
HWMU 16	16WC1A-A	6/1/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
HWMU 16	16WC1A-A	6/1/2001	Mercury	µg/L	ND	1	SW7470	
HWMU 16	16WC1A-A	6/1/2001	2,4-Dinitrotoluene	µg/L	ND	9	SW8270C	
HWMU 16	16WC1A-A	6/1/2001	2,6-Dinitrotoluene	µg/L	ND	9	SW8270C	
HWMU 16	16WC1A-A	6/1/2001	Di-n-butyl phthalate	µg/L	ND	9	SW8270C	
HWMU 16	16WC1A-A	6/1/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	1,1-Dichloroethane	µg/L	2.47	1	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	16WC1A-A	6/1/2001	Antimony	µg/L	ND	1	SW6020	
HWMU 16	16WC1A-A	6/1/2001	Arsenic	µg/L	ND	10	SW6020	
HWMU 16	16WC1A-A	6/1/2001	Barium	µg/L	236	10	SW6020	
HWMU 16	16WC1A-A	6/1/2001	Beryllium	µg/L	ND	1	SW6020	
HWMU 16	16WC1A-A	6/1/2001	Cadmium	µg/L	ND	1	SW6020	
HWMU 16	16WC1A-A	6/1/2001	Chromium	µg/L	ND	5	SW6020	
HWMU 16	16WC1A-A	6/1/2001	Cobalt	µg/L	7.49	5	SW6020	
HWMU 16	16WC1A-A	6/1/2001	Copper	µg/L	ND	5	SW6020	
HWMU 16	16WC1A-A	6/1/2001	Lead	µg/L	ND	1	SW6020	
HWMU 16	16WC1A-A	6/1/2001	Nickel	µg/L	12.4	10	SW6020	
HWMU 16	16WC1A-A	6/1/2001	Silver	µg/L	ND	2	SW6020	
HWMU 16	16WC1A-A	6/1/2001	Thallium	µg/L	ND	1	SW6020	
HWMU 16	16WC1A-A	6/1/2001	Vanadium	µg/L	ND	50	SW6020	
HWMU 16	16WC1A-A	6/1/2001	Zinc	µg/L	ND	10	SW6020	
HWMU 16	16WC1A-A	6/1/2001	Selenium	µg/L	ND	10	SW7740	
HWMU 16	16WC1A-A	6/1/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16WC1A-A	6/1/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16WC1A-B	6/1/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16WC1A-B	6/1/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16WC1A-C	6/1/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16WC1A-C	6/1/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16WC1A-D	6/1/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16WC1A-D	6/1/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16WC1A	6/1/2001	2378-TCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16WC1A	6/1/2001	12378-PeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16WC1A	6/1/2001	23478-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC1A	6/1/2001	123478-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16WC1A	6/1/2001	123678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC1A	6/1/2001	234678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC1A	6/1/2001	123789-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC1A	6/1/2001	1234678-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC1A	6/1/2001	1234789-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC1A	6/1/2001	12346789-OCDF	ppt	ND	0.4	SW8280A	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	

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SiteID	Samp ID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/1/01	6/1/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	16-2-A	6/5/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
HWMU 16	16-2-A	6/5/2001	Mercury	µg/L	ND	1	SW7470	
HWMU 16	16-2-A	6/5/2001	2,4-Dinitrotoluene	µg/L	ND	9	SW8270C	
HWMU 16	16-2-A	6/5/2001	2,6-Dinitrotoluene	µg/L	ND	9	SW8270C	
HWMU 16	16-2-A	6/5/2001	Di-n-butyl phthalate	µg/L	ND	9	SW8270C	
HWMU 16	16-2-A	6/5/2001	Antimony	µg/L	ND	1	SW6020	
HWMU 16	16-2-A	6/5/2001	Arsenic	µg/L	ND	10	SW6020	
HWMU 16	16-2-A	6/5/2001	Barium	µg/L	270	10	SW6020	
HWMU 16	16-2-A	6/5/2001	Beryllium	µg/L	ND	1	SW6020	
HWMU 16	16-2-A	6/5/2001	Cadmium	µg/L	ND	1	SW6020	
HWMU 16	16-2-A	6/5/2001	Chromium	µg/L	ND	5	SW6020	
HWMU 16	16-2-A	6/5/2001	Cobalt	µg/L	ND	5	SW6020	
HWMU 16	16-2-A	6/5/2001	Copper	µg/L	ND	5	SW6020	
HWMU 16	16-2-A	6/5/2001	Lead	µg/L	ND	1	SW6020	
HWMU 16	16-2-A	6/5/2001	Nickel	µg/L	ND	10	SW6020	
HWMU 16	16-2-A	6/5/2001	Silver	µg/L	ND	2	SW6020	
HWMU 16	16-2-A	6/5/2001	Thallium	µg/L	ND	1	SW6020	
HWMU 16	16-2-A	6/5/2001	Vanadium	µg/L	ND	50	SW6020	
HWMU 16	16-2-A	6/5/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-2-A	6/5/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-2-A	6/5/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-2-A	6/5/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-2-A	6/5/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-2-A	6/5/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16-2-A	6/5/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	16-2-A	6/5/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	16-2-A	6/5/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16-2-A	6/5/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	16-2-A	6/5/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16-2-A	6/5/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	16-2-A	6/5/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	16-2-A	6/5/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	16-2-A	6/5/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16-2-A	6/5/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	16-2-A	6/5/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16-2-A	6/5/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16-2-A	6/5/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16-2-A	6/5/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	16-2-A	6/5/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	16-2-A	6/5/2001	Zinc	µg/L	12.1	10	SW6020	
HWMU 16	16-2-A	6/5/2001	Selenium	µg/L	ND	10	SW7740	
HWMU 16	16-2-A	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16-2-A	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-2-B	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16-2-B	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-2-C	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16-2-C	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-2-D	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16-2-D	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-2	6/5/2001	2378-TCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-2	6/5/2001	12378-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-2	6/5/2001	23478-PeCDF	ppt	ND	0.3	SW8280A	
HWMU 16	16-2	6/5/2001	123478-HeCDF	ppt	ND	0.2	SW8280A	

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SiteID	Samp ID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
HWMU 16	16-2	6/5/2001	123678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-2	6/5/2001	234678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-2	6/5/2001	123789-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-2	6/5/2001	1234678-HpCDF	ppt	ND	0.3	SW8280A	
HWMU 16	16-2	6/5/2001	1234789-HpCDF	ppt	ND	0.3	SW8280A	
HWMU 16	16-2	6/5/2001	12346789-OCDF	ppt	ND	0.7	SW8280A	
HWMU 16	16-3-A	6/5/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
HWMU 16	16-3-A	6/5/2001	Mercury	µg/L	ND	1	SW7470	
HWMU 16	16-3-A	6/5/2001	2,4-Dinitrotoluene	µg/L	ND	9	SW8270C	
HWMU 16	16-3-A	6/5/2001	2,6-Dinitrotoluene	µg/L	ND	9	SW8270C	
HWMU 16	16-3-A	6/5/2001	Di-n-butyl phthalate	µg/L	ND	9	SW8270C	
HWMU 16	16-3-A	6/5/2001	Antimony	µg/L	ND	1	SW6020	
HWMU 16	16-3-A	6/5/2001	Arsenic	µg/L	ND	10	SW6020	
HWMU 16	16-3-A	6/5/2001	Barium	µg/L	793	10	SW6020	
HWMU 16	16-3-A	6/5/2001	Beryllium	µg/L	ND	1	SW6020	
HWMU 16	16-3-A	6/5/2001	Cadmium	µg/L	ND	1	SW6020	
HWMU 16	16-3-A	6/5/2001	Chromium	µg/L	ND	5	SW6020	
HWMU 16	16-3-A	6/5/2001	Cobalt	µg/L	ND	5	SW6020	
HWMU 16	16-3-A	6/5/2001	Copper	µg/L	ND	5	SW6020	
HWMU 16	16-3-A	6/5/2001	Lead	µg/L	ND	1	SW6020	
HWMU 16	16-3-A	6/5/2001	Nickel	µg/L	ND	10	SW6020	
HWMU 16	16-3-A	6/5/2001	Silver	µg/L	ND	2	SW6020	
HWMU 16	16-3-A	6/5/2001	Thallium	µg/L	ND	1	SW6020	
HWMU 16	16-3-A	6/5/2001	Vanadium	µg/L	ND	50	SW6020	
HWMU 16	16-3-A	6/5/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-3-A	6/5/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-3-A	6/5/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-3-A	6/5/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-3-A	6/5/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-3-A	6/5/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16-3-A	6/5/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	16-3-A	6/5/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	16-3-A	6/5/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16-3-A	6/5/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	16-3-A	6/5/2001	Dichlorodifluoromethane	µg/L	1.66	1	SW8260B	
HWMU 16	16-3-A	6/5/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	16-3-A	6/5/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	16-3-A	6/5/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	16-3-A	6/5/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16-3-A	6/5/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	16-3-A	6/5/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16-3-A	6/5/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16-3-A	6/5/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16-3-A	6/5/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	16-3-A	6/5/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	16-3-A	6/5/2001	Zinc	µg/L	ND	10	SW6020	
HWMU 16	16-3-A	6/5/2001	Selenium	µg/L	ND	10	SW7740	
HWMU 16	16-3-A	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16-3-A	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-3-B	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16-3-B	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-3-C	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16-3-C	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-3-D	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16-3-D	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-3	6/5/2001	2378-TCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16-3	6/5/2001	12378-PeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16-3	6/5/2001	23478-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-3	6/5/2001	123478-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16-3	6/5/2001	123678-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16-3	6/5/2001	234678-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16-3	6/5/2001	123789-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16-3	6/5/2001	1234678-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-3	6/5/2001	1234789-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-3	6/5/2001	12346789-OCDF	ppt	ND	0.4	SW8280A	
HWMU 16	16-5-A	6/5/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
HWMU 16	16-5-A	6/5/2001	Mercury	µg/L	ND	1	SW7470	
HWMU 16	16-5-A	6/5/2001	2,4-Dinitrotoluene	µg/L	ND	9	SW8270C	

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SiteID	Samp ID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
HWMU 16	16-5-A	6/5/2001	2,6-Dinitrotoluene	µg/L	ND	9	SW8270C	
HWMU 16	16-5-A	6/5/2001	Di-n-butyl phthalate	µg/L	ND	9	SW8270C	
HWMU 16	16-5-A	6/5/2001	Antimony	µg/L	ND	1	SW6020	
HWMU 16	16-5-A	6/5/2001	Arsenic	µg/L	ND	10	SW6020	
HWMU 16	16-5-A	6/5/2001	Barium	µg/L	201	10	SW6020	
HWMU 16	16-5-A	6/5/2001	Beryllium	µg/L	ND	1	SW6020	
HWMU 16	16-5-A	6/5/2001	Cadmium	µg/L	ND	1	SW6020	
HWMU 16	16-5-A	6/5/2001	Chromium	µg/L	ND	5	SW6020	
HWMU 16	16-5-A	6/5/2001	Cobalt	µg/L	ND	5	SW6020	
HWMU 16	16-5-A	6/5/2001	Copper	µg/L	ND	5	SW6020	
HWMU 16	16-5-A	6/5/2001	Lead	µg/L	ND	1	SW6020	
HWMU 16	16-5-A	6/5/2001	Nickel	µg/L	ND	10	SW6020	
HWMU 16	16-5-A	6/5/2001	Silver	µg/L	ND	2	SW6020	
HWMU 16	16-5-A	6/5/2001	Thallium	µg/L	ND	1	SW6020	
HWMU 16	16-5-A	6/5/2001	Vanadium	µg/L	ND	50	SW6020	
HWMU 16	16-5-A	6/5/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-5-A	6/5/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-5-A	6/5/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-5-A	6/5/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-5-A	6/5/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16-5-A	6/5/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16-5-A	6/5/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	16-5-A	6/5/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	16-5-A	6/5/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16-5-A	6/5/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	16-5-A	6/5/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16-5-A	6/5/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	16-5-A	6/5/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	16-5-A	6/5/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	16-5-A	6/5/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16-5-A	6/5/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	16-5-A	6/5/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16-5-A	6/5/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16-5-A	6/5/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16-5-A	6/5/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	16-5-A	6/5/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	16-5-A	6/5/2001	Zinc	µg/L	28.5	10	SW6020	
HWMU 16	16-5-A	6/5/2001	Selenium	µg/L	ND	10	SW7740	
HWMU 16	16-5-A	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16-5-A	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-5-B	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16-5-B	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-5-C	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16-5-C	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-5-D	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16-5-D	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16-5	6/5/2001	2378-TCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-5	6/5/2001	12378-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-5	6/5/2001	23478-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-5	6/5/2001	123678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-5	6/5/2001	234678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-5	6/5/2001	123789-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-5	6/5/2001	1234678-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-5	6/5/2001	1234789-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16-5	6/5/2001	12346789-OCDF	ppt	ND	0.5	SW8280A	
HWMU 16	16WC2B-A	6/5/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
HWMU 16	16WC2B-A	6/5/2001	Mercury	µg/L	ND	1	SW7470	
HWMU 16	16WC2B-A	6/5/2001	2,4-Dinitrotoluene	µg/L	ND	9	SW8270C	
HWMU 16	16WC2B-A	6/5/2001	2,6-Dinitrotoluene	µg/L	ND	9	SW8270C	
HWMU 16	16WC2B-A	6/5/2001	Di-n-butyl phthalate	µg/L	ND	9	SW8270C	
HWMU 16	16WC2B-A	6/5/2001	Antimony	µg/L	ND	1	SW6020	
HWMU 16	16WC2B-A	6/5/2001	Arsenic	µg/L	ND	10	SW6020	
HWMU 16	16WC2B-A	6/5/2001	Barium	µg/L	131	10	SW6020	
HWMU 16	16WC2B-A	6/5/2001	Beryllium	µg/L	ND	1	SW6020	
HWMU 16	16WC2B-A	6/5/2001	Cadmium	µg/L	ND	1	SW6020	
HWMU 16	16WC2B-A	6/5/2001	Chromium	µg/L	ND	5	SW6020	
HWMU 16	16WC2B-A	6/5/2001	Cobalt	µg/L	ND	5	SW6020	

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SiteID	Samp ID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
HWMU 16	16WC2B-A	6/5/2001	Copper	µg/L	ND	5	SW6020	
HWMU 16	16WC2B-A	6/5/2001	Lead	µg/L	ND	1	SW6020	
HWMU 16	16WC2B-A	6/5/2001	Nickel	µg/L	ND	10	SW6020	
HWMU 16	16WC2B-A	6/5/2001	Silver	µg/L	ND	2	SW6020	
HWMU 16	16WC2B-A	6/5/2001	Thallium	µg/L	ND	1	SW6020	
HWMU 16	16WC2B-A	6/5/2001	Vanadium	µg/L	ND	50	SW6020	
HWMU 16	16WC2B-A	6/5/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	16WC2B-A	6/5/2001	Zinc	µg/L	ND	10	SW6020	
HWMU 16	16WC2B-A	6/5/2001	Selenium	µg/L	ND	10	SW7740	
HWMU 16	16WC2B-A	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16WC2B-A	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16WC2B-B	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16WC2B-B	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16WC2B-C	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16WC2B-C	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16WC2B-D	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16WC2B-D	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16WC2B	3/13/2001	2378-TCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16WC2B	3/13/2001	12378-PeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16WC2B	3/13/2001	23478-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC2B	3/13/2001	123478-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16WC2B	3/13/2001	123678-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16WC2B	3/13/2001	234678-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16WC2B	3/13/2001	123789-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16WC2B	3/13/2001	1234678-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC2B	3/13/2001	1234789-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16WC2B	3/13/2001	12346789-OCDF	ppt	ND	0.4	SW8280A	
HWMU 16	16SPRING-A	6/5/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
HWMU 16	16SPRING-A	6/5/2001	Mercury	µg/L	ND	1	SW7470	
HWMU 16	16SPRING-A	6/5/2001	2,4-Dinitrotoluene	µg/L	ND	9	SW8270C	
HWMU 16	16SPRING-A	6/5/2001	2,6-Dinitrotoluene	µg/L	ND	9	SW8270C	
HWMU 16	16SPRING-A	6/5/2001	Di-n-butyl phthalate	µg/L	ND	9	SW8270C	
HWMU 16	16SPRING-A	6/5/2001	Antimony	µg/L	ND	1	SW6020	
HWMU 16	16SPRING-A	6/5/2001	Arsenic	µg/L	ND	10	SW6020	
HWMU 16	16SPRING-A	6/5/2001	Barium	µg/L	245	10	SW6020	
HWMU 16	16SPRING-A	6/5/2001	Beryllium	µg/L	ND	1	SW6020	
HWMU 16	16SPRING-A	6/5/2001	Cadmium	µg/L	ND	1	SW6020	
HWMU 16	16SPRING-A	6/5/2001	Chromium	µg/L	ND	5	SW6020	
HWMU 16	16SPRING-A	6/5/2001	Cobalt	µg/L	ND	5	SW6020	
HWMU 16	16SPRING-A	6/5/2001	Copper	µg/L	ND	5	SW6020	
HWMU 16	16SPRING-A	6/5/2001	Lead	µg/L	1	1	SW6020	
HWMU 16	16SPRING-A	6/5/2001	Nickel	µg/L	ND	10	SW6020	
HWMU 16	16SPRING-A	6/5/2001	Silver	µg/L	ND	2	SW6020	
HWMU 16	16SPRING-A	6/5/2001	Thallium	µg/L	ND	1	SW6020	
HWMU 16	16SPRING-A	6/5/2001	Vanadium	µg/L	ND	50	SW6020	
HWMU 16	16SPRING-A	6/5/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	

HWMU-16
Second Quarter 2001

SiteID	Samp ID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
HWMU 16	16SPRING-A	6/5/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	16SPRING-A	6/5/2001	Zinc	µg/L	ND	10	SW6020	
HWMU 16	16SPRING-A	6/5/2001	Selenium	µg/L	ND	10	SW7740	
HWMU 16	16SPRING-A	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16SPRING-A	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16SPRING-B	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16SPRING-B	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16SPRING-C	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16SPRING-C	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16SPRING-D	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	16SPRING-D	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	16 SPRNG	6/5/2001	2378-TCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16 SPRNG	6/5/2001	12378-PeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16 SPRNG	6/5/2001	23478-PeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 SPRNG	6/5/2001	123478-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16 SPRNG	6/5/2001	123678-HeCDF	ppt	ND	0.1	SW8280A	
HWMU 16	16 SPRNG	6/5/2001	234678-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 SPRNG	6/5/2001	123789-HeCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 SPRNG	6/5/2001	1234678-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 SPRNG	6/5/2001	1234789-HpCDF	ppt	ND	0.2	SW8280A	
HWMU 16	16 SPRNG	6/5/2001	12346789-OCDF	ppt	ND	0.4	SW8280A	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Mercury	µg/L	ND	1	SW7470	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	2,4-Dinitrotoluene	µg/L	ND	9	SW8270C	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	2,6-Dinitrotoluene	µg/L	ND	9	SW8270C	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Di-n-butyl phthalate	µg/L	ND	9	SW8270C	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Antimony	µg/L	ND	1	SW6020	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Arsenic	µg/L	ND	10	SW6020	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Barium	µg/L	178	10	SW6020	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Beryllium	µg/L	ND	1	SW6020	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Cadmium	µg/L	ND	1	SW6020	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Chromium	µg/L	ND	5	SW6020	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Cobalt	µg/L	ND	5	SW6020	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Copper	µg/L	ND	5	SW6020	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Lead	µg/L	ND	1	SW6020	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Nickel	µg/L	ND	10	SW6020	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Silver	µg/L	ND	2	SW6020	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Thallium	µg/L	ND	1	SW6020	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Vanadium	µg/L	ND	50	SW6020	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Ethylbenzene	µg/L	ND	1	SW8260B	

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SiteID	Samp ID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	2-Butanone	µg/L	ND	10	SW8260B	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Zinc	µg/L	ND	10	SW6020	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Selenium	µg/L	ND	10	SW7740	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	SITE 16 DUPLICATE-A	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	SITE 16 DUPLICATE-E	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	SITE 16 DUPLICATE-E	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	SITE 16 DUPLICATE-C	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	SITE 16 DUPLICATE-C	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	SITE 16 DUPLICATE-D	6/5/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
HWMU 16	SITE 16 DUPLICATE-D	6/5/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	Bromoform	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	Chloromethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	o-Xylene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	Toluene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	Trichloroethene	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
HWMU 16	TRIP BLANK 6/5/01	6/5/2001	2-Butanone	µg/L	ND	10	SW8260B	

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SiteID	ClientSampID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	16-1-1	8/2/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	16-1-1	8/2/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	16-1-1	8/2/2001	Mercury	µg/L	ND	1	SW7470	
SITE 16	16-1-1	8/2/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-1-1	8/2/2001	2,4-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16-1-1	8/2/2001	2,6-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16-1-1	8/2/2001	Di-n-butyl phthalate	µg/L	ND	8	SW8270C	
SITE 16	16-1-1	8/2/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-1-1	8/2/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-1-1	8/2/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-1-1	8/2/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-1-1	8/2/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-1-1	8/2/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16-1-1	8/2/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	16-1-1	8/2/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	16-1-1	8/2/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16-1-1	8/2/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	16-1-1	8/2/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16-1-1	8/2/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	16-1-1	8/2/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	16-1-1	8/2/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	16-1-1	8/2/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-1-1	8/2/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	16-1-1	8/2/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-1-1	8/2/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-1-1	8/2/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16-1-1	8/2/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	16-1-1	8/2/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	16-1-1	8/2/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-1-1	8/2/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	16-1-1	8/2/2001	Beryllium	µg/L	ND	1	SW6020	
SITE 16	16-1-1	8/2/2001	Cadmium	µg/L	ND	1	SW6020	
SITE 16	16-1-1	8/2/2001	Chromium	µg/L	ND	5	SW6020	
SITE 16	16-1-1	8/2/2001	Cobalt	µg/L	ND	5	SW6020	
SITE 16	16-1-1	8/2/2001	Lead	µg/L	1.4	1	SW6020	
SITE 16	16-1-1	8/2/2001	Nickel	µg/L	ND	10	SW6020	
SITE 16	16-1-1	8/2/2001	Silver	µg/L	ND	2	SW6020	
SITE 16	16-1-1	8/2/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	16-1-1	8/2/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	16-1-1	8/2/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	16-1-1	8/2/2001	Barium	µg/L	218	10	SW6020	
SITE 16	16-1-1	8/2/2001	Copper	µg/L	ND	5	SW6020	
SITE 16	16-1-1	8/2/2001	Zinc	µg/L	ND	10	SW6020	
SITE 16	16-1-2	8/2/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-1-2	8/2/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-1-3	8/2/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-1-3	8/2/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-1-4	8/2/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-1-4	8/2/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-1	8/2/2001	2378-TCDF	µg/L	ND	0.07	SW8280A	
SITE 16	16-1	8/2/2001	12378-PeCDF	µg/L	ND	0.06	SW8280A	
SITE 16	16-1	8/2/2001	23478-PeCDF	µg/L	ND	0.08	SW8280A	
SITE 16	16-1	8/2/2001	123478-HeCDF	µg/L	ND	0.06	SW8280A	
SITE 16	16-1	8/2/2001	123678-HeCDF	µg/L	ND	0.06	SW8280A	
SITE 16	16-1	8/2/2001	234678-HeCDF	µg/L	ND	0.06	SW8280A	
SITE 16	16-1	8/2/2001	123789-HeCDF	µg/L	ND	0.07	SW8280A	
SITE 16	16-1	8/2/2001	1234678-HpCDF	µg/L	ND	0.08	SW8280A	
SITE 16	16-1	8/2/2001	1234789-HpCDF	µg/L	ND	0.09	SW8280A	
SITE 16	16-1	8/2/2001	12346789-OCDF	µg/L	ND	0.2	SW8280A	
SITE 16	MW9-1	8/2/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	MW9-1	8/2/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	MW9-1	8/2/2001	Mercury	µg/L	ND	1	SW7470	
SITE 16	MW9-1	8/2/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	MW9-1	8/2/2001	2,4-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	MW9-1	8/2/2001	2,6-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	MW9-1	8/2/2001	Di-n-butyl phthalate	µg/L	ND	8	SW8270C	
SITE 16	MW9-1	8/2/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	MW9-1	8/2/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	

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SiteID	ClientSampID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	MW9-1	8/2/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	MW9-1	8/2/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	MW9-1	8/2/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	MW9-1	8/2/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	MW9-1	8/2/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	MW9-1	8/2/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	MW9-1	8/2/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	MW9-1	8/2/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	MW9-1	8/2/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	MW9-1	8/2/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	MW9-1	8/2/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	MW9-1	8/2/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	MW9-1	8/2/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	MW9-1	8/2/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	MW9-1	8/2/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	MW9-1	8/2/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	MW9-1	8/2/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	MW9-1	8/2/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	MW9-1	8/2/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	MW9-1	8/2/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	MW9-1	8/2/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	MW9-1	8/2/2001	Beryllium	µg/L	3.83	1	SW6020	
SITE 16	MW9-1	8/2/2001	Cadmium	µg/L	1.92	1	SW6020	
SITE 16	MW9-1	8/2/2001	Chromium	µg/L	31.4	5	SW6020	
SITE 16	MW9-1	8/2/2001	Cobalt	µg/L	10.9	5	SW6020	
SITE 16	MW9-1	8/2/2001	Lead	µg/L	14.5	1	SW6020	
SITE 16	MW9-1	8/2/2001	Nickel	µg/L	39.1	10	SW6020	
SITE 16	MW9-1	8/2/2001	Silver	µg/L	ND	2	SW6020	
SITE 16	MW9-1	8/2/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	MW9-1	8/2/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	MW9-1	8/2/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	MW9-1	8/2/2001	Barium	µg/L	363	10	SW6020	
SITE 16	MW9-1	8/2/2001	Copper	µg/L	23.6	5	SW6020	
SITE 16	MW9-1	8/2/2001	Zinc	µg/L	99.1	10	SW6020	
SITE 16	MW9-2	8/2/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	MW9-2	8/2/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	MW9-3	8/2/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	MW9-3	8/2/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	MW9-4	8/2/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	MW9-4	8/2/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	MW9	8/2/2001	2378-TCDF	µg/L	ND	0.09	SW8280A	
SITE 16	MW9	8/2/2001	12378-PeCDF	µg/L	ND	0.08	SW8280A	
SITE 16	MW9	8/2/2001	23478-PeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	MW9	8/2/2001	123478-HeCDF	µg/L	ND	0.08	SW8280A	
SITE 16	MW9	8/2/2001	123678-HeCDF	µg/L	ND	0.09	SW8280A	
SITE 16	MW9	8/2/2001	234678-HeCDF	µg/L	ND	0.09	SW8280A	
SITE 16	MW9	8/2/2001	123789-HeCDF	µg/L	ND	0.09	SW8280A	
SITE 16	MW9	8/2/2001	1234678-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	MW9	8/2/2001	1234789-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	MW9	8/2/2001	12346789-OCDF	µg/L	ND	0.3	SW8280A	
SITE 16	16WC1A-1	8/2/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	16WC1A-1	8/2/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	16WC1A-1	8/2/2001	Mercury	µg/L	ND	1	SW7470	
SITE 16	16WC1A-1	8/2/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC1A-1	8/2/2001	2,4-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16WC1A-1	8/2/2001	2,6-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16WC1A-1	8/2/2001	Di-n-butyl phthalate	µg/L	ND	8	SW8270C	
SITE 16	16WC1A-1	8/2/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-1	8/2/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-1	8/2/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-1	8/2/2001	1,1-Dichloroethane	µg/L	3.53	1	SW8260B	
SITE 16	16WC1A-1	8/2/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-1	8/2/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-1	8/2/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-1	8/2/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-1	8/2/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-1	8/2/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-1	8/2/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	

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SiteID	ClientSampleID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	16WC1A-1	8/2/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-1	8/2/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	16WC1A-1	8/2/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-1	8/2/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-1	8/2/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-1	8/2/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-1	8/2/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-1	8/2/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-1	8/2/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-1	8/2/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	16WC1A-1	8/2/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC1A-1	8/2/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	16WC1A-1	8/2/2001	Beryllium	µg/L	ND	1	SW6020	
SITE 16	16WC1A-1	8/2/2001	Cadmium	µg/L	ND	1	SW6020	
SITE 16	16WC1A-1	8/2/2001	Chromium	µg/L	ND	5	SW6020	
SITE 16	16WC1A-1	8/2/2001	Cobalt	µg/L	5.71	5	SW6020	
SITE 16	16WC1A-1	8/2/2001	Lead	µg/L	ND	1	SW6020	
SITE 16	16WC1A-1	8/2/2001	Nickel	µg/L	ND	10	SW6020	
SITE 16	16WC1A-1	8/2/2001	Silver	µg/L	ND	2	SW6020	
SITE 16	16WC1A-1	8/2/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	16WC1A-1	8/2/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	16WC1A-1	8/2/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	16WC1A-1	8/2/2001	Barium	µg/L	275	10	SW6020	
SITE 16	16WC1A-1	8/2/2001	Copper	µg/L	ND	5	SW6020	
SITE 16	16WC1A-1	8/2/2001	Zinc	µg/L	ND	10	SW6020	
SITE 16	16WC1A-2	8/2/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC1A-2	8/2/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC1A-3	8/2/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC1A-3	8/2/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC1A-4	8/2/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC1A-4	8/2/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC1B-1	8/3/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	16WC1B-1	8/3/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	16WC1B-1	8/3/2001	Mercury	µg/L	ND	1	SW7470	
SITE 16	16WC1B-1	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC1B-1	8/3/2001	2,4-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16WC1B-1	8/3/2001	2,6-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16WC1B-1	8/3/2001	Di-n-butyl phthalate	µg/L	ND	8	SW8270C	
SITE 16	16WC1B-1	8/3/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1B-1	8/3/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1B-1	8/3/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1B-1	8/3/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1B-1	8/3/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1B-1	8/3/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16WC1B-1	8/3/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	16WC1B-1	8/3/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	16WC1B-1	8/3/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16WC1B-1	8/3/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1B-1	8/3/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1B-1	8/3/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	16WC1B-1	8/3/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	16WC1B-1	8/3/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	16WC1B-1	8/3/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	16WC1B-1	8/3/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	16WC1B-1	8/3/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16WC1B-1	8/3/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16WC1B-1	8/3/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1B-1	8/3/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	16WC1B-1	8/3/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	16WC1B-1	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC1B-1	8/3/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	16WC1B-1	8/3/2001	Beryllium	µg/L	ND	1	SW6020	
SITE 16	16WC1B-1	8/3/2001	Cadmium	µg/L	ND	1	SW6020	
SITE 16	16WC1B-1	8/3/2001	Chromium	µg/L	ND	5	SW6020	
SITE 16	16WC1B-1	8/3/2001	Cobalt	µg/L	ND	5	SW6020	
SITE 16	16WC1B-1	8/3/2001	Lead	µg/L	ND	1	SW6020	
SITE 16	16WC1B-1	8/3/2001	Nickel	µg/L	ND	10	SW6020	
SITE 16	16WC1B-1	8/3/2001	Silver	µg/L	ND	2	SW6020	

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SiteID	ClientSampleID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	16WC1B-1	8/3/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	16WC1B-1	8/3/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	16WC1B-1	8/3/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	16WC1B-1	8/3/2001	Barium	µg/L	132	10	SW6020	
SITE 16	16WC1B-1	8/3/2001	Copper	µg/L	ND	5	SW6020	
SITE 16	16WC1B-1	8/3/2001	Zinc	µg/L	ND	10	SW6020	
SITE 16	16WC1B-2	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC1B-2	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC1B-3	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC1B-3	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC1B-4	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC1B-4	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC1B	8/2/2001	2378-TCDF	µg/L	ND	0.09	SW8280A	
SITE 16	16WC1B	8/2/2001	12378-PeCDF	µg/L	ND	0.08	SW8280A	
SITE 16	16WC1B	8/2/2001	23478-PeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16WC1B	8/2/2001	123478-HeCDF	µg/L	ND	0.08	SW8280A	
SITE 16	16WC1B	8/2/2001	123678-HeCDF	µg/L	ND	0.09	SW8280A	
SITE 16	16WC1B	8/2/2001	234678-HeCDF	µg/L	ND	0.09	SW8280A	
SITE 16	16WC1B	8/2/2001	123789-HeCDF	µg/L	ND	0.09	SW8280A	
SITE 16	16WC1B	8/2/2001	1234678-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16WC1B	8/2/2001	1234789-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16WC1B	8/2/2001	12346789-OCDF	µg/L	ND	0.3	SW8280A	
SITE 16	16-2-1	8/3/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	16-2-1	8/3/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	16-2-1	8/3/2001	Mercury	µg/L	ND	1	SW7470	
SITE 16	16-2-1	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-2-1	8/3/2001	2,4-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16-2-1	8/3/2001	2,6-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16-2-1	8/3/2001	Di-n-butyl phthalate	µg/L	ND	8	SW8270C	
SITE 16	16-2-1	8/3/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-2-1	8/3/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-2-1	8/3/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-2-1	8/3/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-2-1	8/3/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-2-1	8/3/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16-2-1	8/3/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	16-2-1	8/3/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	16-2-1	8/3/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16-2-1	8/3/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	16-2-1	8/3/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16-2-1	8/3/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	16-2-1	8/3/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	16-2-1	8/3/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	16-2-1	8/3/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-2-1	8/3/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	16-2-1	8/3/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-2-1	8/3/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-2-1	8/3/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16-2-1	8/3/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	16-2-1	8/3/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	16-2-1	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-2-1	8/3/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	16-2-1	8/3/2001	Beryllium	µg/L	ND	1	SW6020	
SITE 16	16-2-1	8/3/2001	Cadmium	µg/L	ND	1	SW6020	
SITE 16	16-2-1	8/3/2001	Chromium	µg/L	ND	5	SW6020	
SITE 16	16-2-1	8/3/2001	Cobalt	µg/L	ND	5	SW6020	
SITE 16	16-2-1	8/3/2001	Lead	µg/L	ND	1	SW6020	
SITE 16	16-2-1	8/3/2001	Nickel	µg/L	ND	10	SW6020	
SITE 16	16-2-1	8/3/2001	Silver	µg/L	ND	2	SW6020	
SITE 16	16-2-1	8/3/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	16-2-1	8/3/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	16-2-1	8/3/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	16-2-1	8/3/2001	Barium	µg/L	213	10	SW6020	
SITE 16	16-2-1	8/3/2001	Copper	µg/L	ND	5	SW6020	
SITE 16	16-2-1	8/3/2001	Zinc	µg/L	ND	10	SW6020	
SITE 16	16-2-2	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-2-2	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-2-3	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	

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SiteID	ClientSampleID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	16-2-3	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-2-4	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-2-4	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-2	8/2/2001	2378-TCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16-2	8/2/2001	12378-PeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16-2	8/2/2001	23478-PeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16-2	8/2/2001	123478-HeCDF	µg/L	ND	0.09	SW8280A	
SITE 16	16-2	8/2/2001	123678-HeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16-2	8/2/2001	234678-HeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16-2	8/2/2001	123789-HeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16-2	8/2/2001	1234678-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16-2	8/2/2001	1234789-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16-2	8/2/2001	12346789-OCDF	µg/L	ND	0.3	SW8280A	
SITE 16	16-3-1	8/3/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	16-3-1	8/3/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	16-3-1	8/3/2001	Mercury	µg/L	ND	1	SW7470	
SITE 16	16-3-1	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-3-1	8/3/2001	2,4-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16-3-1	8/3/2001	2,6-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16-3-1	8/3/2001	Di-n-butyl phthalate	µg/L	ND	8	SW8270C	
SITE 16	16-3-1	8/3/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-3-1	8/3/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-3-1	8/3/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-3-1	8/3/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-3-1	8/3/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-3-1	8/3/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16-3-1	8/3/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	16-3-1	8/3/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	16-3-1	8/3/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16-3-1	8/3/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	16-3-1	8/3/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16-3-1	8/3/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	16-3-1	8/3/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	16-3-1	8/3/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	16-3-1	8/3/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-3-1	8/3/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	16-3-1	8/3/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-3-1	8/3/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-3-1	8/3/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16-3-1	8/3/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	16-3-1	8/3/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	16-3-1	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-3-1	8/3/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	16-3-1	8/3/2001	Beryllium	µg/L	ND	1	SW6020	
SITE 16	16-3-1	8/3/2001	Cadmium	µg/L	ND	1	SW6020	
SITE 16	16-3-1	8/3/2001	Chromium	µg/L	ND	5	SW6020	
SITE 16	16-3-1	8/3/2001	Cobalt	µg/L	ND	5	SW6020	
SITE 16	16-3-1	8/3/2001	Lead	µg/L	ND	1	SW6020	
SITE 16	16-3-1	8/3/2001	Nickel	µg/L	ND	10	SW6020	
SITE 16	16-3-1	8/3/2001	Silver	µg/L	ND	2	SW6020	
SITE 16	16-3-1	8/3/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	16-3-1	8/3/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	16-3-1	8/3/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	16-3-1	8/3/2001	Barium	µg/L	735	10	SW6020	
SITE 16	16-3-1	8/3/2001	Copper	µg/L	ND	5	SW6020	
SITE 16	16-3-1	8/3/2001	Zinc	µg/L	ND	10	SW6020	
SITE 16	16-3-2	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-3-2	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-3-3	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-3-3	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-3-4	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-3-4	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-3	8/2/2001	2378-TCDF	µg/L	ND	0.09	SW8280A	
SITE 16	16-3	8/2/2001	12378-PeCDF	µg/L	ND	0.09	SW8280A	
SITE 16	16-3	8/2/2001	23478-PeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16-3	8/2/2001	123478-HeCDF	µg/L	ND	0.08	SW8280A	
SITE 16	16-3	8/2/2001	123678-HeCDF	µg/L	ND	0.09	SW8280A	
SITE 16	16-3	8/2/2001	234678-HeCDF	µg/L	ND	0.09	SW8280A	

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SiteID	ClientSampID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	16-3	8/2/2001	123789-HeCDF	µg/L	ND	0.09	SW8280A	
SITE 16	16-3	8/2/2001	1234678-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16-3	8/2/2001	1234789-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16-3	8/2/2001	12346789-OCDF	µg/L	ND	0.3	SW8280A	
SITE 16	16-5-1	8/3/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	16-5-1	8/3/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	16-5-1	8/3/2001	Mercury	µg/L	ND	1	SW7470	
SITE 16	16-5-1	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-5-1	8/3/2001	2,4-Dinitrotoluene	µg/L	ND	9	SW8270C	
SITE 16	16-5-1	8/3/2001	2,6-Dinitrotoluene	µg/L	ND	9	SW8270C	
SITE 16	16-5-1	8/3/2001	Di-n-butyl phthalate	µg/L	ND	9	SW8270C	
SITE 16	16-5-1	8/3/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-5-1	8/3/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-5-1	8/3/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-5-1	8/3/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-5-1	8/3/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-5-1	8/3/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16-5-1	8/3/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	16-5-1	8/3/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	16-5-1	8/3/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16-5-1	8/3/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	16-5-1	8/3/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16-5-1	8/3/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	16-5-1	8/3/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	16-5-1	8/3/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	16-5-1	8/3/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-5-1	8/3/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	16-5-1	8/3/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-5-1	8/3/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-5-1	8/3/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16-5-1	8/3/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	16-5-1	8/3/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	16-5-1	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-5-1	8/3/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	16-5-1	8/3/2001	Beryllium	µg/L	ND	1	SW6020	
SITE 16	16-5-1	8/3/2001	Cadmium	µg/L	ND	1	SW6020	
SITE 16	16-5-1	8/3/2001	Chromium	µg/L	ND	5	SW6020	
SITE 16	16-5-1	8/3/2001	Cobalt	µg/L	ND	5	SW6020	
SITE 16	16-5-1	8/3/2001	Lead	µg/L	ND	1	SW6020	
SITE 16	16-5-1	8/3/2001	Nickel	µg/L	ND	10	SW6020	
SITE 16	16-5-1	8/3/2001	Silver	µg/L	ND	2	SW6020	
SITE 16	16-5-1	8/3/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	16-5-1	8/3/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	16-5-1	8/3/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	16-5-1	8/3/2001	Barium	µg/L	172	10	SW6020	
SITE 16	16-5-1	8/3/2001	Copper	µg/L	ND	5	SW6020	
SITE 16	16-5-1	8/3/2001	Zinc	µg/L	ND	10	SW6020	
SITE 16	16-5-2	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-5-2	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-5-3	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-5-3	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-5-4	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-5-4	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-5	8/2/2001	2378-TCDF	µg/L	ND	0.09	SW8280A	
SITE 16	16-5	8/2/2001	12378-PeCDF	µg/L	ND	0.08	SW8280A	
SITE 16	16-5	8/2/2001	23478-PeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16-5	8/2/2001	123478-HeCDF	µg/L	ND	0.07	SW8280A	
SITE 16	16-5	8/2/2001	123678-HeCDF	µg/L	ND	0.08	SW8280A	
SITE 16	16-5	8/2/2001	234678-HeCDF	µg/L	ND	0.08	SW8280A	
SITE 16	16-5	8/2/2001	123789-HeCDF	µg/L	ND	0.08	SW8280A	
SITE 16	16-5	8/2/2001	1234678-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16-5	8/2/2001	1234789-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16-5	8/2/2001	12346789-OCDF	µg/L	ND	0.3	SW8280A	
SITE 16	16WC2B-1	8/3/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	16WC2B-1	8/3/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	16WC2B-1	8/3/2001	Mercury	µg/L	ND	1	SW7470	
SITE 16	16WC2B-1	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC2B-1	8/3/2001	2,4-Dinitrotoluene	µg/L	ND	8	SW8270C	

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SiteID	ClientSampleID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	16WC2B-1	8/3/2001	2,6-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16WC2B-1	8/3/2001	Di-n-butyl phthalate	µg/L	ND	8	SW8270C	
SITE 16	16WC2B-1	8/3/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-1	8/3/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-1	8/3/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-1	8/3/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-1	8/3/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-1	8/3/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-1	8/3/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-1	8/3/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-1	8/3/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-1	8/3/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-1	8/3/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-1	8/3/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-1	8/3/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	16WC2B-1	8/3/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-1	8/3/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-1	8/3/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-1	8/3/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-1	8/3/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-1	8/3/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-1	8/3/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-1	8/3/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	16WC2B-1	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC2B-1	8/3/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	16WC2B-1	8/3/2001	Beryllium	µg/L	ND	1	SW6020	
SITE 16	16WC2B-1	8/3/2001	Cadmium	µg/L	ND	1	SW6020	
SITE 16	16WC2B-1	8/3/2001	Chromium	µg/L	ND	5	SW6020	
SITE 16	16WC2B-1	8/3/2001	Cobalt	µg/L	ND	5	SW6020	
SITE 16	16WC2B-1	8/3/2001	Lead	µg/L	ND	1	SW6020	
SITE 16	16WC2B-1	8/3/2001	Nickel	µg/L	ND	10	SW6020	
SITE 16	16WC2B-1	8/3/2001	Silver	µg/L	ND	2	SW6020	
SITE 16	16WC2B-1	8/3/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	16WC2B-1	8/3/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	16WC2B-1	8/3/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	16WC2B-1	8/3/2001	Barium	µg/L	120	10	SW6020	
SITE 16	16WC2B-1	8/3/2001	Copper	µg/L	ND	5	SW6020	
SITE 16	16WC2B-1	8/3/2001	Zinc	µg/L	ND	10	SW6020	
SITE 16	16WC2B-2	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC2B-2	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC2B-3	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC2B-3	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC2B-4	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC2B-4	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC2B	8/2/2001	2378-TCDF	µg/L	ND	0.09	SW8280A	
SITE 16	16WC2B	8/2/2001	12378-PeCDF	µg/L	ND	0.08	SW8280A	
SITE 16	16WC2B	8/2/2001	23478-PeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16WC2B	8/2/2001	123478-HeCDF	µg/L	ND	0.07	SW8280A	
SITE 16	16WC2B	8/2/2001	123678-HeCDF	µg/L	ND	0.08	SW8280A	
SITE 16	16WC2B	8/2/2001	234678-HeCDF	µg/L	ND	0.08	SW8280A	
SITE 16	16WC2B	8/2/2001	123789-HeCDF	µg/L	ND	0.08	SW8280A	
SITE 16	16WC2B	8/2/2001	1234678-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16WC2B	8/2/2001	1234789-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16WC2B	8/2/2001	12346789-OCDF	µg/L	ND	0.3	SW8280A	
SITE 16	SPRING-1	8/3/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	SPRING-1	8/3/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	SPRING-1	8/3/2001	Mercury	µg/L	ND	1	SW7470	
SITE 16	SPRING-1	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	SPRING-1	8/3/2001	2,4-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	SPRING-1	8/3/2001	2,6-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	SPRING-1	8/3/2001	Di-n-butyl phthalate	µg/L	ND	8	SW8270C	
SITE 16	SPRING-1	8/3/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	SPRING-1	8/3/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	SPRING-1	8/3/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	SPRING-1	8/3/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	SPRING-1	8/3/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	SPRING-1	8/3/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	SPRING-1	8/3/2001	Bromoform	µg/L	ND	1	SW8260B	

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SiteID	ClientSampID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	SPRING-1	8/3/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	SPRING-1	8/3/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	SPRING-1	8/3/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	SPRING-1	8/3/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	SPRING-1	8/3/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	SPRING-1	8/3/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	SPRING-1	8/3/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	SPRING-1	8/3/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	SPRING-1	8/3/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	SPRING-1	8/3/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	SPRING-1	8/3/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	SPRING-1	8/3/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	SPRING-1	8/3/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	SPRING-1	8/3/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	SPRING-1	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	SPRING-1	8/3/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	SPRING-1	8/3/2001	Beryllium	µg/L	ND	1	SW6020	
SITE 16	SPRING-1	8/3/2001	Cadmium	µg/L	ND	1	SW6020	
SITE 16	SPRING-1	8/3/2001	Chromium	µg/L	ND	5	SW6020	
SITE 16	SPRING-1	8/3/2001	Cobalt	µg/L	ND	5	SW6020	
SITE 16	SPRING-1	8/3/2001	Lead	µg/L	ND	1	SW6020	
SITE 16	SPRING-1	8/3/2001	Nickel	µg/L	ND	10	SW6020	
SITE 16	SPRING-1	8/3/2001	Silver	µg/L	ND	2	SW6020	
SITE 16	SPRING-1	8/3/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	SPRING-1	8/3/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	SPRING-1	8/3/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	SPRING-1	8/3/2001	Barium	µg/L	212	10	SW6020	
SITE 16	SPRING-1	8/3/2001	Copper	µg/L	ND	5	SW6020	
SITE 16	SPRING-1	8/3/2001	Zinc	µg/L	ND	10	SW6020	
SITE 16	SPRING-2	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	SPRING-2	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	SPRING-3	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	SPRING-3	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	SPRING-4	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	SPRING-4	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	SPRING	8/2/2001	2378-TCDF	µg/L	ND	0.09	SW8280A	
SITE 16	SPRING	8/2/2001	12378-PeCDF	µg/L	ND	0.08	SW8280A	
SITE 16	SPRING	8/2/2001	23478-PeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	SPRING	8/2/2001	123478-HeCDF	µg/L	ND	0.08	SW8280A	
SITE 16	SPRING	8/2/2001	123678-HeCDF	µg/L	ND	0.09	SW8280A	
SITE 16	SPRING	8/2/2001	234678-HeCDF	µg/L	ND	0.09	SW8280A	
SITE 16	SPRING	8/2/2001	123789-HeCDF	µg/L	ND	0.09	SW8280A	
SITE 16	SPRING	8/2/2001	1234678-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	SPRING	8/2/2001	1234789-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	SPRING	8/2/2001	12346789-OCDF	µg/L	ND	0.3	SW8280A	
SITE 16	DUP-1	8/3/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	DUP-1	8/3/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	DUP-1	8/3/2001	Mercury	µg/L	ND	1	SW7470	
SITE 16	DUP-1	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	DUP-1	8/3/2001	2,4-Dinitrotoluene	µg/L	ND	9	SW8270C	
SITE 16	DUP-1	8/3/2001	2,6-Dinitrotoluene	µg/L	ND	9	SW8270C	
SITE 16	DUP-1	8/3/2001	Di-n-butyl phthalate	µg/L	ND	9	SW8270C	
SITE 16	DUP-1	8/3/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	DUP-1	8/3/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	DUP-1	8/3/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	DUP-1	8/3/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	DUP-1	8/3/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	DUP-1	8/3/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	DUP-1	8/3/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	DUP-1	8/3/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	DUP-1	8/3/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	DUP-1	8/3/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	DUP-1	8/3/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	DUP-1	8/3/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	DUP-1	8/3/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	DUP-1	8/3/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	DUP-1	8/3/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	DUP-1	8/3/2001	Toluene	µg/L	ND	1	SW8260B	

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SiteID	ClientSampleID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	DUP-1	8/3/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	DUP-1	8/3/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	DUP-1	8/3/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	DUP-1	8/3/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	DUP-1	8/3/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	DUP-1	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	DUP-1	8/3/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	DUP-1	8/3/2001	Beryllium	µg/L	ND	1	SW6020	
SITE 16	DUP-1	8/3/2001	Cadmium	µg/L	ND	1	SW6020	
SITE 16	DUP-1	8/3/2001	Chromium	µg/L	ND	5	SW6020	
SITE 16	DUP-1	8/3/2001	Cobalt	µg/L	ND	5	SW6020	
SITE 16	DUP-1	8/3/2001	Lead	µg/L	ND	1	SW6020	
SITE 16	DUP-1	8/3/2001	Nickel	µg/L	ND	10	SW6020	
SITE 16	DUP-1	8/3/2001	Silver	µg/L	ND	2	SW6020	
SITE 16	DUP-1	8/3/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	DUP-1	8/3/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	DUP-1	8/3/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	DUP-1	8/3/2001	Barium	µg/L	170	10	SW6020	
SITE 16	DUP-1	8/3/2001	Copper	µg/L	ND	5	SW6020	
SITE 16	DUP-1	8/3/2001	Zinc	µg/L	ND	10	SW6020	
SITE 16	DUP-2	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	DUP-2	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	DUP-3	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	DUP-3	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	DUP-4	8/3/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	DUP-4	8/3/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	DUP	8/2/2001	2378-TCDF	µg/L	ND	0.09	SW8280A	
SITE 16	DUP	8/2/2001	12378-PeCDF	µg/L	ND	0.08	SW8280A	
SITE 16	DUP	8/2/2001	23478-PeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	DUP	8/2/2001	123478-HeCDF	µg/L	ND	0.08	SW8280A	
SITE 16	DUP	8/2/2001	123678-HeCDF	µg/L	ND	0.09	SW8280A	
SITE 16	DUP	8/2/2001	234678-HeCDF	µg/L	ND	0.09	SW8280A	
SITE 16	DUP	8/2/2001	123789-HeCDF	µg/L	ND	0.09	SW8280A	
SITE 16	DUP	8/2/2001	1234678-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	DUP	8/2/2001	1234789-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	DUP	8/2/2001	12346789-OCDF	µg/L	ND	0.2	SW8280A	
SITE 16	TRIP BLANK 8/02	8/2/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/02	8/2/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	TRIP BLANK 8/03	8/3/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/03	8/3/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/03	8/3/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/03	8/3/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/03	8/3/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/03	8/3/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/03	8/3/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/03	8/3/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/03	8/3/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/03	8/3/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/03	8/3/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	

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SiteID	ClientSampleID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	TRIP BLANK 8\03	8/3/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8\03	8/3/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	TRIP BLANK 8\03	8/3/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8\03	8/3/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8\03	8/3/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8\03	8/3/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8\03	8/3/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8\03	8/3/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8\03	8/3/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8\03	8/3/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	TRIP BLANK	8/2/2001	2378-TCDF	µg/L	ND	0.08	SW8280A	
SITE 16	TRIP BLANK	8/2/2001	12378-PeCDF	µg/L	ND	0.07	SW8280A	
SITE 16	TRIP BLANK	8/2/2001	23478-PeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	TRIP BLANK	8/2/2001	123478-HeCDF	µg/L	ND	0.05	SW8280A	
SITE 16	TRIP BLANK	8/2/2001	123678-HeCDF	µg/L	ND	0.06	SW8280A	
SITE 16	TRIP BLANK	8/2/2001	234678-HeCDF	µg/L	ND	0.06	SW8280A	
SITE 16	TRIP BLANK	8/2/2001	123789-HeCDF	µg/L	ND	0.06	SW8280A	
SITE 16	TRIP BLANK	8/2/2001	1234678-HpCDF	µg/L	ND	0.08	SW8280A	
SITE 16	TRIP BLANK	8/2/2001	1234789-HpCDF	µg/L	ND	0.09	SW8280A	
SITE 16	TRIP BLANK	8/2/2001	12346789-OCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16C1-1	8/1/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	16C1-1	8/1/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	16C1-1	8/1/2001	Mercury	µg/L	ND	1	SW7470	
SITE 16	16C1-1	8/1/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16C1-1	8/1/2001	2,4-Dinitrotoluene	µg/L	ND	9	SW8270C	
SITE 16	16C1-1	8/1/2001	2,6-Dinitrotoluene	µg/L	ND	9	SW8270C	
SITE 16	16C1-1	8/1/2001	Di-n-butyl phthalate	µg/L	ND	9	SW8270C	
SITE 16	16C1-1	8/1/2001	1,1,1-Trichloroethane	µg/L	4.26	1	SW8260B	
SITE 16	16C1-1	8/1/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	16C1-1	8/1/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16C1-1	8/1/2001	1,1-Dichloroethane	µg/L	8.78	1	SW8260B	
SITE 16	16C1-1	8/1/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16C1-1	8/1/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16C1-1	8/1/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	16C1-1	8/1/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	16C1-1	8/1/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16C1-1	8/1/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	16C1-1	8/1/2001	Dichlorodifluoromethane	µg/L	2.88	1	SW8260B	
SITE 16	16C1-1	8/1/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	16C1-1	8/1/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	16C1-1	8/1/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	16C1-1	8/1/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	16C1-1	8/1/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	16C1-1	8/1/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16C1-1	8/1/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16C1-1	8/1/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16C1-1	8/1/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	16C1-1	8/1/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	16C1-1	8/1/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16C1-1	8/1/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	16C1-1	8/1/2001	Beryllium	µg/L	ND	1	SW6020	
SITE 16	16C1-1	8/1/2001	Cadmium	µg/L	ND	1	SW6020	
SITE 16	16C1-1	8/1/2001	Chromium	µg/L	ND	5	SW6020	
SITE 16	16C1-1	8/1/2001	Cobalt	µg/L	ND	5	SW6020	
SITE 16	16C1-1	8/1/2001	Lead	µg/L	ND	1	SW6020	
SITE 16	16C1-1	8/1/2001	Nickel	µg/L	ND	10	SW6020	
SITE 16	16C1-1	8/1/2001	Silver	µg/L	ND	2	SW6020	
SITE 16	16C1-1	8/1/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	16C1-1	8/1/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	16C1-1	8/1/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	16C1-1	8/1/2001	Barium	µg/L	159	10	SW6020	
SITE 16	16C1-1	8/1/2001	Copper	µg/L	ND	5	SW6020	
SITE 16	16C1-1	8/1/2001	Zinc	µg/L	ND	10	SW6020	
SITE 16	16C1-2	8/1/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16C1-2	8/1/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16C1-3	8/1/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16C1-3	8/1/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16C1-4	8/1/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	

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SiteID	ClientSampleID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	16C1-4	8/1/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16C1	8/2/2001	2378-TCDF	µg/L	ND	0.08	SW8280A	
SITE 16	16C1	8/2/2001	12378-PeCDF	µg/L	ND	0.07	SW8280A	
SITE 16	16C1	8/2/2001	23478-PeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16C1	8/2/2001	123478-HeCDF	µg/L	ND	0.05	SW8280A	
SITE 16	16C1	8/2/2001	123678-HeCDF	µg/L	ND	0.06	SW8280A	
SITE 16	16C1	8/2/2001	234678-HeCDF	µg/L	ND	0.06	SW8280A	
SITE 16	16C1	8/2/2001	123789-HeCDF	µg/L	ND	0.06	SW8280A	
SITE 16	16C1	8/2/2001	1234678-HpCDF	µg/L	ND	0.08	SW8280A	
SITE 16	16C1	8/2/2001	1234789-HpCDF	µg/L	ND	0.09	SW8280A	
SITE 16	16C1	8/2/2001	12346789-OCDF	µg/L	ND	0.2	SW8280A	
SITE 16	TRIP BLANK 8/01	8/1/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 8/01	8/1/2001	2-Butanone	µg/L	ND	10	SW8260B	

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SiteID	ClientSampleID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	16C1-A	10/15/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	16C1-A	10/15/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	16C1-A	10/15/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	16C1-A	10/15/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	16C1-A	10/15/2001	Barium	µg/L	161	10	SW6020	
SITE 16	16C1-A	10/15/2001	Beryllium	µg/L	ND	1	SW6020	
SITE 16	16C1-A	10/15/2001	Cadmium	µg/L	ND	1	SW6020	
SITE 16	16C1-A	10/15/2001	Chromium	µg/L	ND	5	SW6020	
SITE 16	16C1-A	10/15/2001	Cobalt	µg/L	ND	5	SW6020	
SITE 16	16C1-A	10/15/2001	Copper	µg/L	ND	5	SW6020	
SITE 16	16C1-A	10/15/2001	Lead	µg/L	ND	1	SW6020	
SITE 16	16C1-A	10/15/2001	Nickel	µg/L	ND	10	SW6020	
SITE 16	16C1-A	10/15/2001	Silver	µg/L	ND	2	SW6020	
SITE 16	16C1-A	10/15/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	16C1-A	10/15/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	16C1-A	10/15/2001	Zinc	µg/L	ND	10	SW6020	
SITE 16	16C1-A	10/15/2001	2,4-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16C1-A	10/15/2001	2,6-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16C1-A	10/15/2001	Di-n-butyl phthalate	µg/L	ND	8	SW8270C	
SITE 16	16C1-A	10/15/2001	1,1,1-Trichloroethane	µg/L	3.61	1	SW8260B	
SITE 16	16C1-A	10/15/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	16C1-A	10/15/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16C1-A	10/15/2001	1,1-Dichloroethane	µg/L	8.14	1	SW8260B	
SITE 16	16C1-A	10/15/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16C1-A	10/15/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16C1-A	10/15/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	16C1-A	10/15/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	16C1-A	10/15/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	16C1-A	10/15/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16C1-A	10/15/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	16C1-A	10/15/2001	Dichlorodifluoromethane	µg/L	3.56	1	SW8260B	
SITE 16	16C1-A	10/15/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	16C1-A	10/15/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	16C1-A	10/15/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	16C1-A	10/15/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	16C1-A	10/15/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	16C1-A	10/15/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16C1-A	10/15/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16C1-A	10/15/2001	Trichlorofluoromethane	µg/L	1.19	1	SW8260B	
SITE 16	16C1-A	10/15/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	16C1-A	10/15/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16C1-A	10/15/2001	Mercury	µg/L	ND	1	SW7470A	
SITE 16	16C1-A	10/15/2001	Total Organic Halides (TOX)	µg/L	22	20	SW9020B	
SITE 16	16C1-B	10/15/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16C1-B	10/15/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16C1-C	10/15/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16C1-C	10/15/2001	Total Organic Halides (TOX)	µg/L	21.4	20	SW9020B	
SITE 16	16C1-D	10/15/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16C1-D	10/15/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16C1	10/15/2001	2378-TCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16C1	10/15/2001	12378-PeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16C1	10/15/2001	23478-PeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16C1	10/15/2001	123478-HxCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16C1	10/15/2001	123678-HxCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16C1	10/15/2001	234678-HxCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16C1	10/15/2001	123789-HxCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16C1	10/15/2001	1234678-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16C1	10/15/2001	1234789-HpCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16C1	10/15/2001	12346789-OCDF	µg/L	ND	0.4	SW8280A	
SITE 16	16MW9-A	10/15/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	16MW9-A	10/15/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	16MW9-A	10/15/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	16MW9-A	10/15/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	16MW9-A	10/15/2001	Barium	µg/L	409	10	SW6020	
SITE 16	16MW9-A	10/15/2001	Beryllium	µg/L	3.23	1	SW6020	
SITE 16	16MW9-A	10/15/2001	Cadmium	µg/L	1.45	1	SW6020	
SITE 16	16MW9-A	10/15/2001	Chromium	µg/L	51.4	5	SW6020	
SITE 16	16MW9-A	10/15/2001	Cobalt	µg/L	13.5	5	SW6020	
SITE 16	16MW9-A	10/15/2001	Copper	µg/L	26.3	5	SW6020	

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SiteID	ClientSampleID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	16MW9-A	10/15/2001	Lead	µg/L	17.5	1	SW6020	
SITE 16	16MW9-A	10/15/2001	Nickel	µg/L	58	10	SW6020	
SITE 16	16MW9-A	10/15/2001	Silver	µg/L	ND	2	SW6020	
SITE 16	16MW9-A	10/15/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	16MW9-A	10/15/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	16MW9-A	10/15/2001	Zinc	µg/L	99.8	10	SW6020	
SITE 16	16MW9-A	10/15/2001	2,4-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16MW9-A	10/15/2001	2,6-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16MW9-A	10/15/2001	Di-n-butyl phthalate	µg/L	ND	8	SW8270C	
SITE 16	16MW9-A	10/15/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16MW9-A	10/15/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	16MW9-A	10/15/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16MW9-A	10/15/2001	1,1-Dichloroethane	µg/L	5.13	1	SW8260B	
SITE 16	16MW9-A	10/15/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16MW9-A	10/15/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16MW9-A	10/15/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	16MW9-A	10/15/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	16MW9-A	10/15/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	16MW9-A	10/15/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16MW9-A	10/15/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	16MW9-A	10/15/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16MW9-A	10/15/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	16MW9-A	10/15/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	16MW9-A	10/15/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	16MW9-A	10/15/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	16MW9-A	10/15/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	16MW9-A	10/15/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16MW9-A	10/15/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16MW9-A	10/15/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16MW9-A	10/15/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	16MW9-A	10/15/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16MW9-A	10/15/2001	Mercury	µg/L	ND	1	SW7470A	
SITE 16	16MW9-A	10/15/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16MW9-B	10/15/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16MW9-B	10/15/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16MW9-C	10/15/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16MW9-C	10/15/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16MW9-D	10/15/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16MW9-D	10/15/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16MW9	10/15/2001	2378-TCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16MW9	10/15/2001	12378-PeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16MW9	10/15/2001	23478-PeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16MW9	10/15/2001	123478-HxCDF	µg/L	ND	0.09	SW8280A	
SITE 16	16MW9	10/15/2001	123678-HxCDF	µg/L	ND	0.09	SW8280A	
SITE 16	16MW9	10/15/2001	234678-HxCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16MW9	10/15/2001	123789-HxCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16MW9	10/15/2001	1234678-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16MW9	10/15/2001	1234789-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	16MW9	10/15/2001	12346789-OCDF	µg/L	ND	0.3	SW8280A	
SITE 16	16WC1A-A	10/16/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	16WC1A-A	10/16/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	16WC1A-A	10/16/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	16WC1A-A	10/16/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	16WC1A-A	10/16/2001	Barium	µg/L	232	10	SW6020	
SITE 16	16WC1A-A	10/16/2001	Beryllium	µg/L	ND	1	SW6020	
SITE 16	16WC1A-A	10/16/2001	Cadmium	µg/L	ND	1	SW6020	
SITE 16	16WC1A-A	10/16/2001	Chromium	µg/L	ND	5	SW6020	
SITE 16	16WC1A-A	10/16/2001	Cobalt	µg/L	7.35	5	SW6020	
SITE 16	16WC1A-A	10/16/2001	Copper	µg/L	ND	5	SW6020	
SITE 16	16WC1A-A	10/16/2001	Lead	µg/L	ND	1	SW6020	
SITE 16	16WC1A-A	10/16/2001	Nickel	µg/L	ND	10	SW6020	
SITE 16	16WC1A-A	10/16/2001	Silver	µg/L	ND	2	SW6020	
SITE 16	16WC1A-A	10/16/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	16WC1A-A	10/16/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	16WC1A-A	10/16/2001	Zinc	µg/L	ND	10	SW6020	
SITE 16	16WC1A-A	10/16/2001	2,4-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16WC1A-A	10/16/2001	2,6-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16WC1A-A	10/16/2001	Di-n-butyl phthalate	µg/L	ND	8	SW8270C	
SITE 16	16WC1A-A	10/16/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	

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SiteID	ClientSampleID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	16WC1A-A	10/16/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-A	10/16/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-A	10/16/2001	1,1-Dichloroethane	µg/L	4.35	1	SW8260B	
SITE 16	16WC1A-A	10/16/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-A	10/16/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-A	10/16/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	16WC1A-A	10/16/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-A	10/16/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-A	10/16/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-A	10/16/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-A	10/16/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-A	10/16/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-A	10/16/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	16WC1A-A	10/16/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-A	10/16/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-A	10/16/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-A	10/16/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-A	10/16/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-A	10/16/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-A	10/16/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	16WC1A-A	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC1A-A	10/16/2001	Mercury	µg/L	ND	1	SW7470A	
SITE 16	16WC1A-A	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC1A-B	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC1A-B	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC1A-C	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC1A-C	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC1A-D	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC1A-D	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC1A	10/16/2001	2378-TCDF	µg/L	ND	0.07	SW8280A	
SITE 16	16WC1A	10/16/2001	12378-PeCDF	µg/L	ND	0.08	SW8280A	
SITE 16	16WC1A	10/16/2001	23478-PeCDF	µg/L	ND	0.09	SW8280A	
SITE 16	16WC1A	10/16/2001	123478-HxCDF	µg/L	ND	0.06	SW8280A	
SITE 16	16WC1A	10/16/2001	123678-HxCDF	µg/L	ND	0.05	SW8280A	
SITE 16	16WC1A	10/16/2001	234678-HxCDF	µg/L	ND	0.06	SW8280A	
SITE 16	16WC1A	10/16/2001	123789-HxCDF	µg/L	ND	0.06	SW8280A	
SITE 16	16WC1A	10/16/2001	1234678-HpCDF	µg/L	ND	0.07	SW8280A	
SITE 16	16WC1A	10/16/2001	1234789-HpCDF	µg/L	ND	0.09	SW8280A	
SITE 16	16WC1A	10/16/2001	12346789-OCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-2-A	10/16/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	16-2-A	10/16/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	16-2-A	10/16/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	16-2-A	10/16/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	16-2-A	10/16/2001	Barium	µg/L	205	10	SW6020	
SITE 16	16-2-A	10/16/2001	Beryllium	µg/L	ND	1	SW6020	
SITE 16	16-2-A	10/16/2001	Cadmium	µg/L	ND	1	SW6020	
SITE 16	16-2-A	10/16/2001	Chromium	µg/L	ND	5	SW6020	
SITE 16	16-2-A	10/16/2001	Cobalt	µg/L	ND	5	SW6020	
SITE 16	16-2-A	10/16/2001	Copper	µg/L	ND	5	SW6020	
SITE 16	16-2-A	10/16/2001	Lead	µg/L	ND	1	SW6020	
SITE 16	16-2-A	10/16/2001	Nickel	µg/L	ND	10	SW6020	
SITE 16	16-2-A	10/16/2001	Silver	µg/L	ND	2	SW6020	
SITE 16	16-2-A	10/16/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	16-2-A	10/16/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	16-2-A	10/16/2001	Zinc	µg/L	ND	10	SW6020	
SITE 16	16-2-A	10/16/2001	2,4-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16-2-A	10/16/2001	2,6-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16-2-A	10/16/2001	Di-n-butyl phthalate	µg/L	ND	8	SW8270C	
SITE 16	16-2-A	10/16/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-2-A	10/16/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-2-A	10/16/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-2-A	10/16/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-2-A	10/16/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-2-A	10/16/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16-2-A	10/16/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	16-2-A	10/16/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	16-2-A	10/16/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	16-2-A	10/16/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16-2-A	10/16/2001	Chloromethane	µg/L	ND	1	SW8260B	

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SiteID	ClientSampleID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	16-2-A	10/16/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16-2-A	10/16/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	16-2-A	10/16/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	16-2-A	10/16/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	16-2-A	10/16/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-2-A	10/16/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	16-2-A	10/16/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-2-A	10/16/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-2-A	10/16/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16-2-A	10/16/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	16-2-A	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-2-A	10/16/2001	Mercury	µg/L	ND	1	SW7470A	
SITE 16	16-2-A	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-2-B	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-2-B	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-2-C	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-2-C	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-2-D	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-2-D	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-2	8/2/2001	2378-TCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-2	8/2/2001	12378-PeCDF	µg/L	ND	0.3	SW8280A	
SITE 16	16-2	8/2/2001	23478-PeCDF	µg/L	ND	0.3	SW8280A	
SITE 16	16-2	8/2/2001	123478-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-2	8/2/2001	123678-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-2	8/2/2001	234678-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-2	8/2/2001	123789-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-2	8/2/2001	1234678-HpCDF	µg/L	ND	0.3	SW8280A	
SITE 16	16-2	8/2/2001	1234789-HpCDF	µg/L	ND	0.3	SW8280A	
SITE 16	16-2	8/2/2001	12346789-OCDF	µg/L	ND	0.5	SW8280A	
SITE 16	16-3-A	10/16/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	16-3-A	10/16/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	16-3-A	10/16/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	16-3-A	10/16/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	16-3-A	10/16/2001	Barium	µg/L	722	10	SW6020	
SITE 16	16-3-A	10/16/2001	Beryllium	µg/L	ND	1	SW6020	
SITE 16	16-3-A	10/16/2001	Cadmium	µg/L	ND	1	SW6020	
SITE 16	16-3-A	10/16/2001	Chromium	µg/L	ND	5	SW6020	
SITE 16	16-3-A	10/16/2001	Cobalt	µg/L	ND	5	SW6020	
SITE 16	16-3-A	10/16/2001	Copper	µg/L	ND	5	SW6020	
SITE 16	16-3-A	10/16/2001	Lead	µg/L	ND	1	SW6020	
SITE 16	16-3-A	10/16/2001	Nickel	µg/L	ND	10	SW6020	
SITE 16	16-3-A	10/16/2001	Silver	µg/L	ND	2	SW6020	
SITE 16	16-3-A	10/16/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	16-3-A	10/16/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	16-3-A	10/16/2001	Zinc	µg/L	ND	10	SW6020	
SITE 16	16-3-A	10/16/2001	2,4-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16-3-A	10/16/2001	2,6-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16-3-A	10/16/2001	Di-n-butyl phthalate	µg/L	ND	8	SW8270C	
SITE 16	16-3-A	10/16/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-3-A	10/16/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-3-A	10/16/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-3-A	10/16/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-3-A	10/16/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-3-A	10/16/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16-3-A	10/16/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	16-3-A	10/16/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	16-3-A	10/16/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	16-3-A	10/16/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16-3-A	10/16/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	16-3-A	10/16/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16-3-A	10/16/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	16-3-A	10/16/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	16-3-A	10/16/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	16-3-A	10/16/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-3-A	10/16/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	16-3-A	10/16/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-3-A	10/16/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-3-A	10/16/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16-3-A	10/16/2001	Vinyl chloride	µg/L	ND	1	SW8260B	

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SiteID	ClientSampID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	16-3-A	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-3-A	10/16/2001	Mercury	µg/L	ND	1	SW7470A	
SITE 16	16-3-A	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-3-B	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-3-B	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-3-C	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-3-C	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-3-D	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-3-D	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-3	10/16/2001	2378-TCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-1	10/16/2001	12378-PeCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-1	10/16/2001	23478-PeCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-1	10/16/2001	123478-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-1	10/16/2001	123678-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-1	10/16/2001	234678-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-1	10/16/2001	123789-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-1	10/16/2001	1234678-HpCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-1	10/16/2001	1234789-HpCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-1	10/16/2001	12346789-OCDF	µg/L	ND	0.4	SW8280A	
SITE 16	16-5-A	10/16/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	16-5-A	10/16/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	16-5-A	10/16/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	16-5-A	10/16/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	16-5-A	10/16/2001	Barium	µg/L	176	10	SW6020	
SITE 16	16-5-A	10/16/2001	Beryllium	µg/L	ND	1	SW6020	
SITE 16	16-5-A	10/16/2001	Cadmium	µg/L	ND	1	SW6020	
SITE 16	16-5-A	10/16/2001	Chromium	µg/L	ND	5	SW6020	
SITE 16	16-5-A	10/16/2001	Cobalt	µg/L	ND	5	SW6020	
SITE 16	16-5-A	10/16/2001	Copper	µg/L	ND	5	SW6020	
SITE 16	16-5-A	10/16/2001	Lead	µg/L	ND	1	SW6020	
SITE 16	16-5-A	10/16/2001	Nickel	µg/L	ND	10	SW6020	
SITE 16	16-5-A	10/16/2001	Silver	µg/L	ND	2	SW6020	
SITE 16	16-5-A	10/16/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	16-5-A	10/16/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	16-5-A	10/16/2001	Zinc	µg/L	ND	10	SW6020	
SITE 16	16-5-A	10/16/2001	2,4-Dinitrotoluene	µg/L	ND	9	SW8270C	
SITE 16	16-5-A	10/16/2001	2,6-Dinitrotoluene	µg/L	ND	9	SW8270C	
SITE 16	16-5-A	10/16/2001	Di-n-butyl phthalate	µg/L	ND	9	SW8270C	
SITE 16	16-5-A	10/16/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-5-A	10/16/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-5-A	10/16/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-5-A	10/16/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-5-A	10/16/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-5-A	10/16/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16-5-A	10/16/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	16-5-A	10/16/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	16-5-A	10/16/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	16-5-A	10/16/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16-5-A	10/16/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	16-5-A	10/16/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16-5-A	10/16/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	16-5-A	10/16/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	16-5-A	10/16/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	16-5-A	10/16/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-5-A	10/16/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	16-5-A	10/16/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-5-A	10/16/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-5-A	10/16/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16-5-A	10/16/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	16-5-A	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-5-A	10/16/2001	Mercury	µg/L	ND	1	SW7470A	
SITE 16	16-5-A	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-5-B	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-5-B	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-5-C	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-5-C	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-5-D	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-5-D	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-5	10/16/2001	2378-TCDF	µg/L	ND	0.2	SW8280A	

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SiteID	ClientSampleID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	16-5	10/16/2001	12378-PeCDF	µg/L	ND	0.3	SW8280A	
SITE 16	16-5	10/16/2001	23478-PeCDF	µg/L	ND	0.3	SW8280A	
SITE 16	16-5	10/16/2001	123478-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-5	10/16/2001	123678-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-5	10/16/2001	234678-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-5	10/16/2001	123789-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-5	10/16/2001	1234678-HpCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-5	10/16/2001	1234789-HpCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-5	10/16/2001	12346789-OCDF	µg/L	ND	0.5	SW8280A	
SITE 16	TRIP BLANK 16	10/16/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/16/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/15/2001	2378-TCDF	µg/L	ND	0.08	SW8280A	
SITE 16	TRIP BLANK 16	10/15/2001	12378-PeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	TRIP BLANK 16	10/15/2001	23478-PeCDF	µg/L	ND	0.1	SW8280A	
SITE 16	TRIP BLANK 16	10/15/2001	123478-HxCDF	µg/L	ND	0.07	SW8280A	
SITE 16	TRIP BLANK 16	10/15/2001	123678-HxCDF	µg/L	ND	0.07	SW8280A	
SITE 16	TRIP BLANK 16	10/15/2001	234678-HxCDF	µg/L	ND	0.08	SW8280A	
SITE 16	TRIP BLANK 16	10/15/2001	123789-HxCDF	µg/L	ND	0.08	SW8280A	
SITE 16	TRIP BLANK 16	10/15/2001	1234678-HpCDF	µg/L	ND	0.09	SW8280A	
SITE 16	TRIP BLANK 16	10/15/2001	1234789-HpCDF	µg/L	ND	0.1	SW8280A	
SITE 16	TRIP BLANK 16	10/15/2001	12346789-OCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16WC2B-A	10/17/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	16WC2B-A	10/17/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	16WC2B-A	10/17/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	16WC2B-A	10/17/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	16WC2B-A	10/17/2001	Barium	µg/L	112	10	SW6020	
SITE 16	16WC2B-A	10/17/2001	Beryllium	µg/L	ND	1	SW6020	
SITE 16	16WC2B-A	10/17/2001	Cadmium	µg/L	ND	1	SW6020	
SITE 16	16WC2B-A	10/17/2001	Chromium	µg/L	ND	5	SW6020	

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SiteID	ClientSampleID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	16WC2B-A	10/17/2001	Cobalt	µg/L	ND	5	SW6020	
SITE 16	16WC2B-A	10/17/2001	Copper	µg/L	ND	5	SW6020	
SITE 16	16WC2B-A	10/17/2001	Lead	µg/L	ND	1	SW6020	
SITE 16	16WC2B-A	10/17/2001	Nickel	µg/L	ND	10	SW6020	
SITE 16	16WC2B-A	10/17/2001	Silver	µg/L	ND	2	SW6020	
SITE 16	16WC2B-A	10/17/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	16WC2B-A	10/17/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	16WC2B-A	10/17/2001	Zinc	µg/L	ND	10	SW6020	
SITE 16	16WC2B-A	10/17/2001	2,4-Dinitrotoluene	µg/L	ND	9	SW8270C	
SITE 16	16WC2B-A	10/17/2001	2,6-Dinitrotoluene	µg/L	ND	9	SW8270C	
SITE 16	16WC2B-A	10/17/2001	Di-n-butyl phthalate	µg/L	ND	9	SW8270C	
SITE 16	16WC2B-A	10/17/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-A	10/17/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-A	10/17/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-A	10/17/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-A	10/17/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-A	10/17/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-A	10/17/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	16WC2B-A	10/17/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-A	10/17/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-A	10/17/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-A	10/17/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-A	10/17/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-A	10/17/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-A	10/17/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	16WC2B-A	10/17/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-A	10/17/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-A	10/17/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-A	10/17/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-A	10/17/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-A	10/17/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-A	10/17/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	16WC2B-A	10/17/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC2B-A	10/17/2001	Mercury	µg/L	ND	1	SW7470A	
SITE 16	16WC2B-A	10/17/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC2B-B	10/17/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC2B-B	10/17/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC2B-C	10/17/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC2B-C	10/17/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC2B-D	10/17/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16WC2B-D	10/17/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16WC2B	10/17/2001	2378-TCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16WC2B	10/17/2001	12378-PeCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16WC2B	10/17/2001	23478-PeCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16WC2B	10/17/2001	123478-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16WC2B	10/17/2001	123678-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16WC2B	10/17/2001	234678-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16WC2B	10/17/2001	123789-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16WC2B	10/17/2001	1234678-HpCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16WC2B	10/17/2001	1234789-HpCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16WC2B	10/17/2001	12346789-OCDF	µg/L	ND	0.4	SW8280A	
SITE 16	16SPRING-A	10/17/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	16SPRING-A	10/17/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	16SPRING-A	10/17/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	16SPRING-A	10/17/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	16SPRING-A	10/17/2001	Barium	µg/L	202	10	SW6020	
SITE 16	16SPRING-A	10/17/2001	Beryllium	µg/L	ND	1	SW6020	
SITE 16	16SPRING-A	10/17/2001	Cadmium	µg/L	ND	1	SW6020	
SITE 16	16SPRING-A	10/17/2001	Chromium	µg/L	ND	5	SW6020	
SITE 16	16SPRING-A	10/17/2001	Cobalt	µg/L	ND	5	SW6020	
SITE 16	16SPRING-A	10/17/2001	Copper	µg/L	ND	5	SW6020	
SITE 16	16SPRING-A	10/17/2001	Lead	µg/L	ND	1	SW6020	
SITE 16	16SPRING-A	10/17/2001	Nickel	µg/L	ND	10	SW6020	
SITE 16	16SPRING-A	10/17/2001	Silver	µg/L	ND	2	SW6020	
SITE 16	16SPRING-A	10/17/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	16SPRING-A	10/17/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	16SPRING-A	10/17/2001	Zinc	µg/L	ND	10	SW6020	
SITE 16	16SPRING-A	10/17/2001	2,4-Dinitrotoluene	µg/L	ND	8	SW8270C	
SITE 16	16SPRING-A	10/17/2001	2,6-Dinitrotoluene	µg/L	ND	8	SW8270C	

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Fourth Quarter 2001

SiteID	ClientSampleID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	16SPRING-A	10/17/2001	Di-n-butyl phthalate	µg/L	ND	8	SW8270C	
SITE 16	16SPRING-A	10/17/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16SPRING-A	10/17/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	16SPRING-A	10/17/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16SPRING-A	10/17/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16SPRING-A	10/17/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16SPRING-A	10/17/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16SPRING-A	10/17/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	16SPRING-A	10/17/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	16SPRING-A	10/17/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	16SPRING-A	10/17/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16SPRING-A	10/17/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	16SPRING-A	10/17/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16SPRING-A	10/17/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	16SPRING-A	10/17/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	16SPRING-A	10/17/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	16SPRING-A	10/17/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	16SPRING-A	10/17/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	16SPRING-A	10/17/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16SPRING-A	10/17/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16SPRING-A	10/17/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16SPRING-A	10/17/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	16SPRING-A	10/17/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16SPRING-A	10/17/2001	Mercury	µg/L	ND	1	SW7470A	
SITE 16	16SPRING-A	10/17/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16SPRING-B	10/17/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16SPRING-B	10/17/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16SPRING-C	10/17/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16SPRING-C	10/17/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16SPRING-D	10/17/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16SPRING-D	10/17/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16SPRING	10/17/2001	2378-TCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16SPRING	10/17/2001	12378-PeCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16SPRING	10/17/2001	23478-PeCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16SPRING	10/17/2001	123478-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16SPRING	10/17/2001	123678-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16SPRING	10/17/2001	234678-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16SPRING	10/17/2001	123789-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16SPRING	10/17/2001	1234678-HpCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16SPRING	10/17/2001	1234789-HpCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16SPRING	10/17/2001	12346789-OCDF	µg/L	ND	0.4	SW8280A	
SITE 16	TRIP BLANK 16	10/17/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	TRIP BLANK 16	10/17/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	Cyanide, Total	µg/L	ND	20	SW9010/9012A	
SITE 16	16-1-A	10/16/2001	Selenium	µg/L	ND	10	SW7740	
SITE 16	16-1-A	10/16/2001	Antimony	µg/L	ND	1	SW6020	
SITE 16	16-1-A	10/16/2001	Arsenic	µg/L	ND	10	SW6020	
SITE 16	16-1-A	10/16/2001	Barium	µg/L	178	10	SW6020	
SITE 16	16-1-A	10/16/2001	Beryllium	µg/L	ND	1	SW6020	
SITE 16	16-1-A	10/16/2001	Cadmium	µg/L	ND	1	SW6020	

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Fourth Quarter 2001

SiteID	ClientSampleID	CollectionDate	Analyte	Units	Result	QuantLimit	TestNo	Qualifiers
SITE 16	16-1-A	10/16/2001	Chromium	µg/L	ND	5	SW6020	
SITE 16	16-1-A	10/16/2001	Cobalt	µg/L	ND	5	SW6020	
SITE 16	16-1-A	10/16/2001	Copper	µg/L	ND	5	SW6020	
SITE 16	16-1-A	10/16/2001	Lead	µg/L	ND	1	SW6020	
SITE 16	16-1-A	10/16/2001	Nickel	µg/L	ND	10	SW6020	
SITE 16	16-1-A	10/16/2001	Silver	µg/L	ND	2	SW6020	
SITE 16	16-1-A	10/16/2001	Thallium	µg/L	ND	1	SW6020	
SITE 16	16-1-A	10/16/2001	Vanadium	µg/L	ND	50	SW6020	
SITE 16	16-1-A	10/16/2001	Zinc	µg/L	ND	10	SW6020	
SITE 16	16-1-A	10/16/2001	2,4-Dinitrotoluene	µg/L	ND	9	SW8270C	
SITE 16	16-1-A	10/16/2001	2,6-Dinitrotoluene	µg/L	ND	9	SW8270C	
SITE 16	16-1-A	10/16/2001	Di-n-butyl phthalate	µg/L	ND	9	SW8270C	
SITE 16	16-1-A	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-1-A	10/16/2001	1,1,1-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	1,1,2,2-Tetrachloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	1,1,2-Trichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	1,1-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	1,2-Dichloroethane	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	1,4-Dichlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	2-Butanone	µg/L	ND	10	SW8260B	
SITE 16	16-1-A	10/16/2001	Bromoform	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	Carbon tetrachloride	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	Chlorobenzene	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	Chloromethane	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	Dichlorodifluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	Ethylbenzene	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	m,p-Xylene	µg/L	ND	2	SW8260B	
SITE 16	16-1-A	10/16/2001	o-Xylene	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	Tetrachloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	Toluene	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	trans-1,2-Dichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	Trichloroethene	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	Trichlorofluoromethane	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	Vinyl chloride	µg/L	ND	1	SW8260B	
SITE 16	16-1-A	10/16/2001	Mercury	µg/L	ND	1	SW7470A	
SITE 16	16-1-A	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-1-B	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-1-B	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-1-C	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-1-C	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-1-D	10/16/2001	Total Organic Carbon	µg/L	ND	1,000	SW9060	
SITE 16	16-1-D	10/16/2001	Total Organic Halides (TOX)	µg/L	ND	20	SW9020B	
SITE 16	16-1	10/16/2001	2378-TCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-1	10/16/2001	12378-PeCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-1	10/16/2001	23478-PeCDF	µg/L	ND	0.3	SW8280A	
SITE 16	16-1	10/16/2001	123478-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-1	10/16/2001	123678-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-1	10/16/2001	234678-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-1	10/16/2001	123789-HxCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-1	10/16/2001	1234678-HpCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-1	10/16/2001	1234789-HpCDF	µg/L	ND	0.2	SW8280A	
SITE 16	16-1	10/16/2001	12346789-OCDF	µg/L	ND	0.4	SW8280A	

APPENDIX B

STATISTICAL ANALYSIS RESULTS

The GRITS/STAT v5.0 software package does not recognize the years 2000 and 2001. Therefore, in order to conduct the statistical analyses for this report, the sample dates for the eight quarters of laboratory analytical results for the years 2000 and 2001 were entered into the statistical package as follows:

- **First Quarter 2000** entered as **December 10, 1999**
- **Second Quarter 2000** entered as **December 11, 1999**
- **Third Quarter 2000** entered as **December 12, 1999**
- **Fourth Quarter 2000** entered as **December 13, 1999**
- **First Quarter 2001** entered as **December 14, 1999**
- **Second Quarter 2001** entered as **December 15, 1999**
- **Third Quarter 2001** entered as **December 16, 1999**
- **Fourth Quarter 2001** entered as **December 17, 1999**

Data Set Summary

Report Printed: 02-21-2002 18:16

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:Sb Antimony, total

CAS Number: 7440-36-0

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 3.000 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	1.500 ppb	0.405 (* Nondetect *)
Jun 30 1996	1.500 ppb	0.405 (* Nondetect *)
Sep 30 1996	1.500 ppb	0.405 (* Nondetect *)
Dec 31 1996	1.500 ppb	0.405 (* Nondetect *)
Mar 31 1997	1.500 ppb	0.405 (* Nondetect *)
Jun 30 1997	1.500 ppb	0.405 (* Nondetect *)
Sep 30 1997	1.500 ppb	0.405 (* Nondetect *)
Dec 31 1997	1.500 ppb	0.405 (* Nondetect *)
Feb 26 1998	1.500 ppb	0.405 (* Nondetect *)
Apr 30 1998	1.500 ppb	0.405 (* Nondetect *)
Aug 04 1998	1.500 ppb	0.405 (* Nondetect *)
Nov 09 1998	1.500 ppb	0.405 (* Nondetect *)
Mar 17 1999	1.500 ppb	0.405 (* Nondetect *)
Jun 04 1999	1.500 ppb	0.405 (* Nondetect *)
Jul 26 1999	1.500 ppb	0.405 (* Nondetect *)
Nov 09 1999	1.500 ppb	0.405 (* Nondetect *)
Dec 13 1999	1.500 ppb	0.405 (* Nondetect *)
Dec 14 1999	1.500 ppb	0.405 (* Nondetect *)
Dec 15 1999	1.500 ppb	0.405 (* Nondetect *)
Dec 16 1999	1.500 ppb	0.405 (* Nondetect *)
Dec 17 1999	1.500 ppb	0.405 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND):100

Minimum:	1.500 ppb	Ln Minimum:	0.405
Maximum:	1.500 ppb	Ln Maximum:	0.405
Mean:	1.500 ppb	Ln Mean:	0.405
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	1.500 ppb	0.405 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	1.500 ppb	Ln Minimum:	0.405
Maximum:	1.500 ppb	Ln Maximum:	0.405
Mean:	1.500 ppb	Ln Mean:	0.405
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	1.500 ppb	0.405 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	1.500 ppb	Ln Minimum:	0.405
Maximum:	1.500 ppb	Ln Maximum:	0.405
Mean:	1.500 ppb	Ln Mean:	0.405
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	1.500 ppb	0.405 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	1.500 ppb	Ln Minimum:	0.405
Maximum:	1.500 ppb	Ln Maximum:	0.405
Mean:	1.500 ppb	Ln Mean:	0.405
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	1.500 ppb	0.405 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	1.500 ppb	Ln Minimum:	0.405
Maximum:	1.500 ppb	Ln Maximum:	0.405
Mean:	1.500 ppb	Ln Mean:	0.405
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	1.500 ppb	0.405 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	1.500 ppb	Ln Minimum:	0.405
Maximum:	1.500 ppb	Ln Maximum:	0.405
Mean:	1.500 ppb	Ln Mean:	0.405
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	1.500 ppb	0.405 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	1.500 ppb	Ln Minimum:	0.405
Maximum:	1.500 ppb	Ln Maximum:	0.405

Mean:	1.500 ppb	Ln Mean:	0.405
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	1.500 ppb	0.405 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	1.500 ppb	Ln Minimum:	0.405
Maximum:	1.500 ppb	Ln Maximum:	0.405
Mean:	1.500 ppb	Ln Mean:	0.405
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	1.500 ppb	0.405 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	1.500 ppb	Ln Minimum:	0.405
Maximum:	1.500 ppb	Ln Maximum:	0.405
Mean:	1.500 ppb	Ln Mean:	0.405
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Data Set Summary

Report Printed: 02-21-2002 17:49

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford

ST:VA Zip:24141

County:PULASKI

Contact:

Phone:() -

Permit Type:Background

Constituent:As Arsenic, total

CAS Number: 7440-38-2

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 1.000 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.500 ppb	-0.693 (* Nondetect *)
Jun 30 1996	0.500 ppb	-0.693 (* Nondetect *)
Sep 30 1996	0.500 ppb	-0.693 (* Nondetect *)
Dec 31 1996	0.500 ppb	-0.693 (* Nondetect *)
Mar 31 1997	0.500 ppb	-0.693 (* Nondetect *)
Jun 30 1997	0.500 ppb	-0.693 (* Nondetect *)
Sep 30 1997	0.500 ppb	-0.693 (* Nondetect *)
Dec 31 1997	0.500 ppb	-0.693 (* Nondetect *)
Feb 26 1998	0.500 ppb	-0.693 (* Nondetect *)
Apr 30 1998	0.500 ppb	-0.693 (* Nondetect *)
Aug 04 1998	0.500 ppb	-0.693 (* Nondetect *)
Nov 09 1998	0.500 ppb	-0.693 (* Nondetect *)
Mar 17 1999	0.500 ppb	-0.693 (* Nondetect *)
Jun 04 1999	0.500 ppb	-0.693 (* Nondetect *)
Jul 26 1999	0.500 ppb	-0.693 (* Nondetect *)
Nov 09 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 13 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 14 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 15 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 16 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693

Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Data Set Summary

Report Printed: 02-21-2002 17:51

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford

ST:VA Zip:24141

County:PULASKI

Contact:

Phone:() -

Permit Type:Background

Constituent:Ba Barium, total

CAS Number: 7440-39-3

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 2.000 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	121.000 ppb	4.796
Jun 30 1996	101.000 ppb	4.615
Sep 30 1996	124.000 ppb	4.820
Dec 31 1996	116.000 ppb	4.754
Mar 31 1997	116.000 ppb	4.754
Jun 30 1997	122.000 ppb	4.804
Sep 30 1997	110.000 ppb	4.700
Dec 31 1997	118.000 ppb	4.771
Feb 26 1998	152.000 ppb	5.024
Apr 30 1998	128.000 ppb	4.852
Aug 04 1998	144.000 ppb	4.970
Nov 09 1998	160.000 ppb	5.075
Mar 17 1999	78.000 ppb	4.357
Jun 04 1999	161.000 ppb	5.081
Jul 26 1999	149.000 ppb	5.004
Nov 09 1999	166.000 ppb	5.112
Dec 13 1999	152.000 ppb	5.024
Dec 14 1999	161.000 ppb	5.081
Dec 15 1999	171.000 ppb	5.142
Dec 16 1999	159.000 ppb	5.069
Dec 17 1999	161.000 ppb	5.081

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND): 0

Minimum:	78.000 ppb	Ln Minimum:	4.357
Maximum:	171.000 ppb	Ln Maximum:	5.142
Mean:	136.667 ppb	Ln Mean:	4.899
Std. Dev.:	25.356 ppb	Ln Std. Dev.:	0.202

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	178.000 ppb	5.182

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	178.000 ppb	Ln Minimum:	5.182
Maximum:	178.000 ppb	Ln Maximum:	5.182
Mean:	178.000 ppb	Ln Mean:	5.182
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	205.000 ppb	5.323

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	205.000 ppb	Ln Minimum:	5.323
Maximum:	205.000 ppb	Ln Maximum:	5.323
Mean:	205.000 ppb	Ln Mean:	5.323
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	722.000 ppb	6.582

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	722.000 ppb	Ln Minimum:	6.582
Maximum:	722.000 ppb	Ln Maximum:	6.582
Mean:	722.000 ppb	Ln Mean:	6.582
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	176.000 ppb	5.170

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	176.000 ppb	Ln Minimum:	5.170
Maximum:	176.000 ppb	Ln Maximum:	5.170
Mean:	176.000 ppb	Ln Mean:	5.170
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	409.000 ppb	6.014

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	409.000 ppb	Ln Minimum:	6.014
Maximum:	409.000 ppb	Ln Maximum:	6.014
Mean:	409.000 ppb	Ln Mean:	6.014
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	202.000 ppb	5.308

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	202.000 ppb	Ln Minimum:	5.308
Maximum:	202.000 ppb	Ln Maximum:	5.308

Mean:	202.000 ppb	Ln Mean:	5.308
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	232.000 ppb	5.447

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	232.000 ppb	Ln Minimum:	5.447
Maximum:	232.000 ppb	Ln Maximum:	5.447
Mean:	232.000 ppb	Ln Mean:	5.447
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	112.000 ppb	4.718

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	112.000 ppb	Ln Minimum:	4.718
Maximum:	112.000 ppb	Ln Maximum:	4.718
Mean:	112.000 ppb	Ln Mean:	4.718
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Normality Tests

Report Printed: 02-21-2002 17:51

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:Ba Barium, total

CAS Number: 7440-39-3

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 2.000 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Normality Test on Observations for wells listed below:

Well:16C1 Position:Upgradient Observations:21

Scale	Minimum	Maximum	Mean	Std Dev
Original:	78.000	171.000	136.667	25.356
Log:	4.357	5.142	4.899	0.202

Pooled Statistics

Observations: 21

Statistic	Original Scale	Log Scale
Mean:	136.667	4.899
Std Dev:	25.356	0.202
Skewness:	-0.496	-0.901
Kurtosis:	-0.656	0.420
Minimum:	78.000	4.357
Maximum:	171.000	5.142
CV:	0.186	0.041

Shapiro-Wilk Statistics

	Test Statistic	5% Critical Value	1% Critical Value
Original:	0.9215	0.9080	0.8730

Log: 0.8942* 0.9080 0.8730

* Indicates statistically significant evidence of non-normality.
GRIT/STAT Version 5.0

Parametric Prediction Interval
Report Printed February 21,2002

Page 1

Facility:Haz. Waste Unit 16 - RAAP
Parameter:Barium, total(CAS Number:7440-39-3)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Shapiro-Wilk (W): 0.9215
Critical W, $\alpha=0.01$: 0.8730
Mean: 136.667 ppb
Std Dev: 25.356 ppb
DF: 20
Conf. Level (1- α): 0.9500
Future Samples (k): 1
 $t \left[\begin{array}{c} 1 - \alpha \\ - \\ k \end{array} \right]$: 1.7247
Kappa: 1.7653
UL: 181.428 ppb
LL: $-\infty$

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	178.000 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	205.000 ppb *

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	722.000 ppb *

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	176.000 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	409.000 ppb *

Parametric Prediction Interval
Report Printed February 21, 2002

Page 2

Facility: Haz. Waste Unit 16 - RAAP
Parameter: Barium, total (CAS Number: 7440-39-3)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Shapiro-Wilk (W): 0.9215
Critical W, $\alpha=0.01$: 0.8730
Mean: 136.667 ppb
Std Dev: 25.356 ppb
DF: 20
Conf. Level (1- α): 0.9500
Future Samples (k): 1
 $t \left[\begin{array}{c} 1 - \alpha \\ - \\ k \end{array} \right]$: 1.7247
Kappa: 1.7653
UL: 181.428 ppb
LL: $-\infty$

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well: 16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	202.000 ppb *

Well: 16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	232.000 ppb *

Well: 16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	112.000 ppb

Data Set Summary

Report Printed: 02-21-2002 17:53

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:Be Beryllium, total

CAS Number: 7440-41-7

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.200 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.100 ppb	-2.303 (* Nondetect *)
Jun 30 1996	0.400 ppb	-0.916
Sep 30 1996	0.400 ppb	-0.916
Dec 31 1996	0.100 ppb	-2.303 (* Nondetect *)
Mar 31 1997	0.100 ppb	-2.303 (* Nondetect *)
Jun 30 1997	0.100 ppb	-2.303 (* Nondetect *)
Sep 30 1997	0.700 ppb	-0.357
Dec 31 1997	0.100 ppb	-2.303 (* Nondetect *)
Feb 26 1998	0.100 ppb	-2.303 (* Nondetect *)
Apr 30 1998	0.100 ppb	-2.303 (* Nondetect *)
Aug 04 1998	0.100 ppb	-2.303 (* Nondetect *)
Nov 09 1998	0.100 ppb	-2.303 (* Nondetect *)
Mar 17 1999	0.100 ppb	-2.303 (* Nondetect *)
Jun 04 1999	0.100 ppb	-2.303 (* Nondetect *)
Jul 26 1999	0.100 ppb	-2.303 (* Nondetect *)
Nov 09 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 13 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 14 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 15 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 16 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND): 86

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.700 ppb	Ln Maximum:	-0.357
Mean:	0.157 ppb	Ln Mean:	-2.078
Std. Dev.:	0.154 ppb	Ln Std. Dev.:	0.573

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	3.230 ppb	1.172

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	3.230 ppb	Ln Minimum:	1.172
Maximum:	3.230 ppb	Ln Maximum:	1.172
Mean:	3.230 ppb	Ln Mean:	1.172
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303

Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Nonparametric Prediction Interval

Report Printed February 21,2002

Page 1

Facility:Haz. Waste Unit 16 - RAAP
Parameter:Beryllium, total(CAS Number:7440-41-7)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 0.700 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	3.230 ppb *

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Nonparametric Prediction Interval
Report Printed February 21, 2002

Page 2

Facility: Haz. Waste Unit 16 - RAAP
Parameter: Beryllium, total (CAS Number: 7440-41-7)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 0.700 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well: 16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Data Set Summary

Report Printed: 02-21-2002 17:55

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:Cd Cadmium, total

CAS Number: 7440-43-9

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.100 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.100 ppb	-2.303
Jun 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1996	0.100 ppb	-2.303
Dec 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Mar 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1997	0.200 ppb	-1.609
Dec 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Feb 26 1998	0.050 ppb	-2.996 (* Nondetect *)
Apr 30 1998	0.050 ppb	-2.996 (* Nondetect *)
Aug 04 1998	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1998	0.050 ppb	-2.996 (* Nondetect *)
Mar 17 1999	6.100 ppb	1.808
Jun 04 1999	0.050 ppb	-2.996 (* Nondetect *)
Jul 26 1999	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 13 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 14 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 15 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 16 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND): 81

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	6.100 ppb	Ln Maximum:	1.808
Mean:	0.350 ppb	Ln Mean:	-2.635
Std. Dev.:	1.318 ppb	Ln Std. Dev.:	1.078

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	1.450 ppb	0.372

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	1.450 ppb	Ln Minimum:	0.372
Maximum:	1.450 ppb	Ln Maximum:	0.372
Mean:	1.450 ppb	Ln Mean:	0.372
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996

Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Nonparametric Prediction Interval
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Facility:Haz. Waste Unit 16 - RAAP
Parameter:Cadmium, total(CAS Number:7440-43-9)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 6.100 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	1.450 ppb

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Nonparametric Prediction Interval

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Facility: Haz. Waste Unit 16 - RAAP
Parameter: Cadmium, total (CAS Number: 7440-43-9)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 6.100 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well: 16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Data Set Summary

Report Printed: 02-21-2002 18:03

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:Cr Chromium, total

CAS Number: 7440-47-3

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 1.000 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	2.000 ppb	0.693
Jun 30 1996	5.000 ppb	1.609
Sep 30 1996	3.000 ppb	1.099
Dec 31 1996	1.000 ppb	0.000
Mar 31 1997	1.000 ppb	0.000
Jun 30 1997	2.000 ppb	0.693
Sep 30 1997	0.500 ppb	-0.693 (* Nondetect *)
Dec 31 1997	2.000 ppb	0.693
Feb 26 1998	0.500 ppb	-0.693 (* Nondetect *)
Apr 30 1998	0.500 ppb	-0.693 (* Nondetect *)
Aug 04 1998	2.000 ppb	0.693
Nov 09 1998	3.000 ppb	1.099
Mar 17 1999	13.000 ppb	2.565
Jun 04 1999	0.500 ppb	-0.693 (* Nondetect *)
Jul 26 1999	0.500 ppb	-0.693 (* Nondetect *)
Nov 09 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 13 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 14 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 15 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 16 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND): 52

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	13.000 ppb	Ln Maximum:	2.565
Mean:	1.881 ppb	Ln Mean:	0.072
Std. Dev.:	2.815 ppb	Ln Std. Dev.:	0.966

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	51.400 ppb	3.940

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	51.400 ppb	Ln Minimum:	3.940
Maximum:	51.400 ppb	Ln Maximum:	3.940
Mean:	51.400 ppb	Ln Mean:	3.940
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693

Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Nonparametric Prediction Interval
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Facility:Haz. Waste Unit 16 - RAAP
Parameter:Chromium, total(CAS Number:7440-47-3)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 13.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	51.400 ppb *

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Nonparametric Prediction Interval
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Facility:Haz. Waste Unit 16 - RAAP
Parameter:Chromium, total(CAS Number:7440-47-3)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 13.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Data Set Summary

Report Printed: 02-21-2002 17:58

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:Co Cobalt, total

CAS Number: 7440-48-4

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 1.000 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.500 ppb	-0.693 (* Nondetect *)
Jun 30 1996	0.500 ppb	-0.693 (* Nondetect *)
Sep 30 1996	4.000 ppb	1.386
Dec 31 1996	5.000 ppb	1.609
Mar 31 1997	0.500 ppb	-0.693 (* Nondetect *)
Jun 30 1997	0.500 ppb	-0.693 (* Nondetect *)
Sep 30 1997	2.000 ppb	0.693
Dec 31 1997	0.500 ppb	-0.693 (* Nondetect *)
Feb 26 1998	0.500 ppb	-0.693 (* Nondetect *)
Apr 30 1998	0.500 ppb	-0.693 (* Nondetect *)
Aug 04 1998	0.500 ppb	-0.693 (* Nondetect *)
Nov 09 1998	0.500 ppb	-0.693 (* Nondetect *)
Mar 17 1999	1.000 ppb	0.000
Jun 04 1999	0.500 ppb	-0.693 (* Nondetect *)
Jul 26 1999	0.500 ppb	-0.693 (* Nondetect *)
Nov 09 1999	1.000 ppb	0.000
Dec 13 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 14 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 15 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 16 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND): 76

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	5.000 ppb	Ln Maximum:	1.609
Mean:	1.000 ppb	Ln Mean:	-0.352
Std. Dev.:	1.225 ppb	Ln Std. Dev.:	0.710

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	13.500 ppb	2.603

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	13.500 ppb	Ln Minimum:	2.603
Maximum:	13.500 ppb	Ln Maximum:	2.603
Mean:	13.500 ppb	Ln Mean:	2.603
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693

Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	7.350 ppb	1.995

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	7.350 ppb	Ln Minimum:	1.995
Maximum:	7.350 ppb	Ln Maximum:	1.995
Mean:	7.350 ppb	Ln Mean:	1.995
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Nonparametric Prediction Interval
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Facility: Haz. Waste Unit 16 - RAAP
Parameter: Cobalt, total (CAS Number: 7440-48-4)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 5.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well: 16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well: 16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well: 16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well: 16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well: 16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	13.500 ppb *

Well: 16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well: 16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	7.350 ppb *

Nonparametric Prediction Interval

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Facility: Haz. Waste Unit 16 - RAAP
Parameter: Cobalt, total (CAS Number: 7440-48-4)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 5.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well: 16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Data Set Summary

Report Printed: 02-21-2002 18:04

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:Cu Copper, total

CAS Number: 7440-50-8

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 1.000 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	13.000 ppb	2.565
Jun 30 1996	10.000 ppb	2.303
Sep 30 1996	4.000 ppb	1.386
Dec 31 1996	1.000 ppb	0.000
Mar 31 1997	0.500 ppb	-0.693 (* Nondetect *)
Jun 30 1997	0.500 ppb	-0.693 (* Nondetect *)
Sep 30 1997	3.000 ppb	1.099
Dec 31 1997	4.000 ppb	1.386
Feb 26 1998	0.500 ppb	-0.693 (* Nondetect *)
Apr 30 1998	0.500 ppb	-0.693 (* Nondetect *)
Aug 04 1998	0.500 ppb	-0.693 (* Nondetect *)
Nov 09 1998	0.500 ppb	-0.693 (* Nondetect *)
Mar 17 1999	48.000 ppb	3.871
Jun 04 1999	4.000 ppb	1.386
Jul 26 1999	0.500 ppb	-0.693 (* Nondetect *)
Nov 09 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 13 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 14 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 15 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 16 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND): 62

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	48.000 ppb	Ln Maximum:	3.871
Mean:	4.452 ppb	Ln Mean:	0.237
Std. Dev.:	10.531 ppb	Ln Std. Dev.:	1.395

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	26.300 ppb	3.270

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	26.300 ppb	Ln Minimum:	3.270
Maximum:	26.300 ppb	Ln Maximum:	3.270
Mean:	26.300 ppb	Ln Mean:	3.270
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693

Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Nonparametric Prediction Interval
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Facility: Haz. Waste Unit 16 - RAAP
Parameter: Copper, total (CAS Number: 7440-50-8)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 48.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	26.300 ppb

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Nonparametric Prediction Interval

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Facility: Haz. Waste Unit 16 - RAAP
Parameter: Copper, total (CAS Number: 7440-50-8)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 48.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well: 16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Data Set Summary

Report Printed: 02-21-2002 18:15

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:Pb Lead, total

CAS Number: 7439-92-1

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 1.000 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.500 ppb	-0.693 (* Nondetect *)
Jun 30 1996	4.000 ppb	1.386
Sep 30 1996	10.000 ppb	2.303
Dec 31 1996	6.000 ppb	1.792
Mar 31 1997	1.000 ppb	0.000
Jun 30 1997	4.000 ppb	1.386
Sep 30 1997	6.000 ppb	1.792
Dec 31 1997	8.000 ppb	2.079
Feb 26 1998	0.500 ppb	-0.693 (* Nondetect *)
Apr 30 1998	0.500 ppb	-0.693 (* Nondetect *)
Aug 04 1998	0.500 ppb	-0.693 (* Nondetect *)
Nov 09 1998	0.500 ppb	-0.693 (* Nondetect *)
Mar 17 1999	11.000 ppb	2.398
Jun 04 1999	0.500 ppb	-0.693 (* Nondetect *)
Jul 26 1999	0.500 ppb	-0.693 (* Nondetect *)
Nov 09 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 13 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 14 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 15 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 16 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND): 62

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	11.000 ppb	Ln Maximum:	2.398
Mean:	2.690 ppb	Ln Mean:	0.196
Std. Dev.:	3.473 ppb	Ln Std. Dev.:	1.247

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	17.500 ppb	2.862

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	17.500 ppb	Ln Minimum:	2.862
Maximum:	17.500 ppb	Ln Maximum:	2.862
Mean:	17.500 ppb	Ln Mean:	2.862
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693

Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

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Facility:Haz. Waste Unit 16 - RAAP
Parameter:Lead, total(CAS Number:7439-92-1)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 11.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	17.500 ppb *

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

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Facility:Haz. Waste Unit 16 - RAAP
Parameter:Lead, total (CAS Number:7439-92-1)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 11.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Data Set Summary

Report Printed: 02-21-2002 18:10

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:Hg Mercury

CAS Number: 7439-97-6

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.200 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.100 ppb	-2.303 (* Nondetect *)
Jun 30 1996	0.100 ppb	-2.303 (* Nondetect *)
Sep 30 1996	0.100 ppb	-2.303 (* Nondetect *)
Dec 31 1996	0.100 ppb	-2.303 (* Nondetect *)
Mar 31 1997	0.100 ppb	-2.303 (* Nondetect *)
Jun 30 1997	0.100 ppb	-2.303 (* Nondetect *)
Sep 30 1997	0.100 ppb	-2.303 (* Nondetect *)
Dec 31 1997	0.100 ppb	-2.303 (* Nondetect *)
Feb 26 1998	0.100 ppb	-2.303 (* Nondetect *)
Apr 30 1998	0.100 ppb	-2.303 (* Nondetect *)
Aug 04 1998	0.100 ppb	-2.303 (* Nondetect *)
Nov 09 1998	0.100 ppb	-2.303 (* Nondetect *)
Mar 17 1999	0.100 ppb	-2.303 (* Nondetect *)
Jun 04 1999	0.100 ppb	-2.303 (* Nondetect *)
Jul 26 1999	0.100 ppb	-2.303 (* Nondetect *)
Nov 09 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 13 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 14 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 15 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 16 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303

Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Data Set Summary

Report Printed: 02-21-2002 18:13

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:Ni Nickel, total

CAS Number: 7440-02-0

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 15.000 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	7.500 ppb	2.015 (* Nondetect *)
Jun 30 1996	7.500 ppb	2.015 (* Nondetect *)
Sep 30 1996	7.500 ppb	2.015 (* Nondetect *)
Dec 31 1996	7.500 ppb	2.015 (* Nondetect *)
Mar 31 1997	7.500 ppb	2.015 (* Nondetect *)
Jun 30 1997	7.500 ppb	2.015 (* Nondetect *)
Sep 30 1997	7.500 ppb	2.015 (* Nondetect *)
Dec 31 1997	7.500 ppb	2.015 (* Nondetect *)
Feb 26 1998	7.500 ppb	2.015 (* Nondetect *)
Apr 30 1998	7.500 ppb	2.015 (* Nondetect *)
Aug 04 1998	7.500 ppb	2.015 (* Nondetect *)
Nov 09 1998	16.000 ppb	2.773
Mar 17 1999	7.500 ppb	2.015 (* Nondetect *)
Jun 04 1999	7.500 ppb	2.015 (* Nondetect *)
Jul 26 1999	7.500 ppb	2.015 (* Nondetect *)
Nov 09 1999	7.500 ppb	2.015 (* Nondetect *)
Dec 13 1999	7.500 ppb	2.015 (* Nondetect *)
Dec 14 1999	7.500 ppb	2.015 (* Nondetect *)
Dec 15 1999	7.500 ppb	2.015 (* Nondetect *)
Dec 16 1999	7.500 ppb	2.015 (* Nondetect *)
Dec 17 1999	7.500 ppb	2.015 (* Nondetect *)

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND): 95

Minimum:	7.500 ppb	Ln Minimum:	2.015
Maximum:	16.000 ppb	Ln Maximum:	2.773
Mean:	7.905 ppb	Ln Mean:	2.051
Std. Dev.:	1.855 ppb	Ln Std. Dev.:	0.165

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	7.500 ppb	2.015 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	7.500 ppb	Ln Minimum:	2.015
Maximum:	7.500 ppb	Ln Maximum:	2.015
Mean:	7.500 ppb	Ln Mean:	2.015
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	7.500 ppb	2.015 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	7.500 ppb	Ln Minimum:	2.015
Maximum:	7.500 ppb	Ln Maximum:	2.015
Mean:	7.500 ppb	Ln Mean:	2.015
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	7.500 ppb	2.015 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	7.500 ppb	Ln Minimum:	2.015
Maximum:	7.500 ppb	Ln Maximum:	2.015
Mean:	7.500 ppb	Ln Mean:	2.015
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	7.500 ppb	2.015 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	7.500 ppb	Ln Minimum:	2.015
Maximum:	7.500 ppb	Ln Maximum:	2.015
Mean:	7.500 ppb	Ln Mean:	2.015
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	58.000 ppb	4.060

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	58.000 ppb	Ln Minimum:	4.060
Maximum:	58.000 ppb	Ln Maximum:	4.060
Mean:	58.000 ppb	Ln Mean:	4.060
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	7.500 ppb	2.015 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	7.500 ppb	Ln Minimum:	2.015
Maximum:	7.500 ppb	Ln Maximum:	2.015

Mean: 7.500 ppb
Std. Dev.: 0.000 ppb

Ln Mean: 2.015
Ln Std. Dev.: 0.000

Well ID:16WC1A

Sample Date Observation
Dec 17 1999 7.500 ppb

Ln
2.015 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum: 7.500 ppb
Maximum: 7.500 ppb
Mean: 7.500 ppb
Std. Dev.: 0.000 ppb

Ln Minimum: 2.015
Ln Maximum: 2.015
Ln Mean: 2.015
Ln Std. Dev.: 0.000

Well ID:16WC2B

Sample Date Observation
Dec 17 1999 7.500 ppb

Ln
2.015 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum: 7.500 ppb
Maximum: 7.500 ppb
Mean: 7.500 ppb
Std. Dev.: 0.000 ppb

Ln Minimum: 2.015
Ln Maximum: 2.015
Ln Mean: 2.015
Ln Std. Dev.: 0.000

Nonparametric Prediction Interval
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Facility:Haz. Waste Unit 16 - RAAP
Parameter:Nickel, total(CAS Number:7440-02-0)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 16.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<15.000 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<15.000 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<15.000 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<15.000 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	58.000 ppb *

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<15.000 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<15.000 ppb

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Facility: Haz. Waste Unit 16 - RAAP
Parameter: Nickel, total (CAS Number: 7440-02-0)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%
UL: 16.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well: 16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND < 15.000 ppb

Data Set Summary

Report Printed: 02-21-2002 18:16

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:Se Selenium, total

CAS Number: 7782-49-2

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 1.000 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.500 ppb	-0.693 (* Nondetect *)
Jun 30 1996	0.500 ppb	-0.693 (* Nondetect *)
Sep 30 1996	0.500 ppb	-0.693 (* Nondetect *)
Dec 31 1996	0.500 ppb	-0.693 (* Nondetect *)
Mar 31 1997	0.500 ppb	-0.693 (* Nondetect *)
Jun 30 1997	0.500 ppb	-0.693 (* Nondetect *)
Sep 30 1997	0.500 ppb	-0.693 (* Nondetect *)
Dec 31 1997	0.500 ppb	-0.693 (* Nondetect *)
Feb 26 1998	0.500 ppb	-0.693 (* Nondetect *)
Apr 30 1998	0.500 ppb	-0.693 (* Nondetect *)
Aug 04 1998	0.500 ppb	-0.693 (* Nondetect *)
Nov 09 1998	0.500 ppb	-0.693 (* Nondetect *)
Mar 17 1999	0.500 ppb	-0.693 (* Nondetect *)
Jun 04 1999	0.500 ppb	-0.693 (* Nondetect *)
Jul 26 1999	0.500 ppb	-0.693 (* Nondetect *)
Nov 09 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 13 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 14 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 15 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 16 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693

Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Data Set Summary

Report Printed: 02-21-2002 17:48

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford

ST:VA Zip:24141

County:PULASKI

Contact:

Phone:() -

Permit Type:Background

Constituent:Ag Silver, total

CAS Number: 7440-22-4

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.200 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.100 ppb	-2.303 (* Nondetect *)
Jun 30 1996	0.100 ppb	-2.303 (* Nondetect *)
Sep 30 1996	0.300 ppb	-1.204
Dec 31 1996	0.300 ppb	-1.204
Mar 31 1997	0.100 ppb	-2.303 (* Nondetect *)
Jun 30 1997	0.100 ppb	-2.303 (* Nondetect *)
Sep 30 1997	0.500 ppb	-0.693
Dec 31 1997	0.100 ppb	-2.303 (* Nondetect *)
Feb 26 1998	0.100 ppb	-2.303 (* Nondetect *)
Apr 30 1998	0.100 ppb	-2.303 (* Nondetect *)
Aug 04 1998	0.100 ppb	-2.303 (* Nondetect *)
Nov 09 1998	0.100 ppb	-2.303 (* Nondetect *)
Mar 17 1999	2.200 ppb	0.788
Jun 04 1999	0.100 ppb	-2.303 (* Nondetect *)
Jul 26 1999	0.100 ppb	-2.303 (* Nondetect *)
Nov 09 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 13 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 14 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 15 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 16 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND): 81

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	2.200 ppb	Ln Maximum:	0.788
Mean:	0.238 ppb	Ln Mean:	-1.974
Std. Dev.:	0.461 ppb	Ln Std. Dev.:	0.784

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303

Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Nonparametric Prediction Interval
Report Printed February 21,2002

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Facility:Haz. Waste Unit 16 - RAAP
Parameter:Silver, total(CAS Number:7440-22-4)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 2.200 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Nonparametric Prediction Interval
Report Printed February 21, 2002

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Facility: Haz. Waste Unit 16 - RAAP
Parameter: Silver, total (CAS Number: 7440-22-4)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 2.200 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well: 16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Data Set Summary

Report Printed: 02-21-2002 18:25

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford

ST:VA Zip:24141

County:PULASKI

Contact:

Phone:() -

Permit Type:Background

Constituent:Tl Thallium, total

CAS Number: 7440-28-0

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 1.000 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.500 ppb	-0.693 (* Nondetect *)
Jun 30 1996	0.500 ppb	-0.693 (* Nondetect *)
Sep 30 1996	4.000 ppb	1.386
Dec 31 1996	6.000 ppb	1.792
Mar 31 1997	4.000 ppb	1.386
Jun 30 1997	1.000 ppb	0.000
Sep 30 1997	0.500 ppb	-0.693 (* Nondetect *)
Dec 31 1997	0.500 ppb	-0.693 (* Nondetect *)
Feb 26 1998	0.500 ppb	-0.693 (* Nondetect *)
Apr 30 1998	0.500 ppb	-0.693 (* Nondetect *)
Aug 04 1998	0.500 ppb	-0.693 (* Nondetect *)
Nov 09 1998	0.500 ppb	-0.693 (* Nondetect *)
Mar 17 1999	0.500 ppb	-0.693 (* Nondetect *)
Jun 04 1999	0.500 ppb	-0.693 (* Nondetect *)
Jul 26 1999	0.500 ppb	-0.693 (* Nondetect *)
Nov 09 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 13 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 14 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 15 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 16 1999	0.500 ppb	-0.693 (* Nondetect *)
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND): 81

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	6.000 ppb	Ln Maximum:	1.792
Mean:	1.119 ppb	Ln Mean:	-0.344
Std. Dev.:	1.532 ppb	Ln Std. Dev.:	0.798

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693

Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.500 ppb	-0.693 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.500 ppb	Ln Minimum:	-0.693
Maximum:	0.500 ppb	Ln Maximum:	-0.693
Mean:	0.500 ppb	Ln Mean:	-0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Nonparametric Prediction Interval
Report Printed February 21,2002

Page 1

Facility:Haz. Waste Unit 16 - RAAP
Parameter:Thallium, total(CAS Number:7440-28-0)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 6.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Nonparametric Prediction Interval
Report Printed February 21, 2002

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Facility: Haz. Waste Unit 16 - RAAP
Parameter: Thallium, total (CAS Number: 7440-28-0)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 6.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well: 16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.000 ppb

Data Set Summary

Report Printed: 02-21-2002 18:29

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford

ST:VA Zip:24141

County:PULASKI

Contact:

Phone:() -

Permit Type:Background

Constituent:Va Vanadium

CAS Number: 7440-62-2

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 4.000 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	2.000 ppb	0.693 (* Nondetect *)
Jun 30 1996	2.000 ppb	0.693 (* Nondetect *)
Sep 30 1996	2.000 ppb	0.693 (* Nondetect *)
Dec 31 1996	2.000 ppb	0.693 (* Nondetect *)
Mar 31 1997	151.000 ppb	5.017
Jun 30 1997	4.000 ppb	1.386
Sep 30 1997	2.000 ppb	0.693 (* Nondetect *)
Dec 31 1997	2.000 ppb	0.693 (* Nondetect *)
Feb 26 1998	2.000 ppb	0.693 (* Nondetect *)
Apr 30 1998	2.000 ppb	0.693 (* Nondetect *)
Aug 04 1998	2.000 ppb	0.693 (* Nondetect *)
Nov 09 1998	2.000 ppb	0.693 (* Nondetect *)
Mar 17 1999	2.000 ppb	0.693 (* Nondetect *)
Jun 04 1999	2.000 ppb	0.693 (* Nondetect *)
Jul 26 1999	2.000 ppb	0.693 (* Nondetect *)
Nov 09 1999	2.000 ppb	0.693 (* Nondetect *)
Dec 13 1999	2.000 ppb	0.693 (* Nondetect *)
Dec 14 1999	2.000 ppb	0.693 (* Nondetect *)
Dec 15 1999	2.000 ppb	0.693 (* Nondetect *)
Dec 16 1999	2.000 ppb	0.693 (* Nondetect *)
Dec 17 1999	2.000 ppb	0.693 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND): 90

Minimum:	2.000 ppb	Ln Minimum:	0.693
Maximum:	151.000 ppb	Ln Maximum:	5.017
Mean:	9.190 ppb	Ln Mean:	0.932
Std. Dev.:	32.496 ppb	Ln Std. Dev.:	0.948

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	2.000 ppb	0.693 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.000 ppb	Ln Minimum:	0.693
Maximum:	2.000 ppb	Ln Maximum:	0.693
Mean:	2.000 ppb	Ln Mean:	0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	2.000 ppb	0.693 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.000 ppb	Ln Minimum:	0.693
Maximum:	2.000 ppb	Ln Maximum:	0.693
Mean:	2.000 ppb	Ln Mean:	0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	2.000 ppb	0.693 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.000 ppb	Ln Minimum:	0.693
Maximum:	2.000 ppb	Ln Maximum:	0.693
Mean:	2.000 ppb	Ln Mean:	0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	2.000 ppb	0.693 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.000 ppb	Ln Minimum:	0.693
Maximum:	2.000 ppb	Ln Maximum:	0.693
Mean:	2.000 ppb	Ln Mean:	0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	2.000 ppb	0.693 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.000 ppb	Ln Minimum:	0.693
Maximum:	2.000 ppb	Ln Maximum:	0.693
Mean:	2.000 ppb	Ln Mean:	0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	2.000 ppb	0.693 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.000 ppb	Ln Minimum:	0.693
Maximum:	2.000 ppb	Ln Maximum:	0.693

Mean:	2.000 ppb	Ln Mean:	0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	2.000 ppb	0.693 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.000 ppb	Ln Minimum:	0.693
Maximum:	2.000 ppb	Ln Maximum:	0.693
Mean:	2.000 ppb	Ln Mean:	0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	2.000 ppb	0.693 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.000 ppb	Ln Minimum:	0.693
Maximum:	2.000 ppb	Ln Maximum:	0.693
Mean:	2.000 ppb	Ln Mean:	0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

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Facility:Haz. Waste Unit 16 - RAAP
Parameter:Vanadium(CAS Number:7440-62-2)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 151.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<4.000 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<4.000 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<4.000 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<4.000 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<4.000 ppb

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<4.000 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<4.000 ppb

Nonparametric Prediction Interval
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Facility:Haz. Waste Unit 16 - RAAP
Parameter:Vanadium(CAS Number:7440-62-2)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 151.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<4.000 ppb

Data Set Summary

Report Printed: 02-21-2002 18:31

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford

ST:VA Zip:24141

County:PULASKI

Contact:

Phone:() -

Permit Type:Background

Constituent:Zn Zinc, total

CAS Number: 7440-66-6

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 4.000 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	2.000 ppb	0.693 (* Nondetect *)
Jun 30 1996	9.000 ppb	2.197
Sep 30 1996	15.000 ppb	2.708
Dec 31 1996	2.000 ppb	0.693 (* Nondetect *)
Mar 31 1997	2.000 ppb	0.693 (* Nondetect *)
Jun 30 1997	15.000 ppb	2.708
Sep 30 1997	15.000 ppb	2.708
Dec 31 1997	51.000 ppb	3.932
Feb 26 1998	2.000 ppb	0.693 (* Nondetect *)
Apr 30 1998	2.000 ppb	0.693 (* Nondetect *)
Aug 04 1998	6.000 ppb	1.792
Nov 09 1998	2.000 ppb	0.693 (* Nondetect *)
Mar 17 1999	296.000 ppb	5.690
Jun 04 1999	2.000 ppb	0.693 (* Nondetect *)
Jul 26 1999	2.000 ppb	0.693 (* Nondetect *)
Nov 09 1999	2.000 ppb	0.693 (* Nondetect *)
Dec 13 1999	2.000 ppb	0.693 (* Nondetect *)
Dec 14 1999	22.300 ppb	3.105
Dec 15 1999	2.000 ppb	0.693 (* Nondetect *)
Dec 16 1999	2.000 ppb	0.693 (* Nondetect *)
Dec 17 1999	2.000 ppb	0.693 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND): 62

Minimum:	2.000 ppb	Ln Minimum:	0.693
Maximum:	296.000 ppb	Ln Maximum:	5.690
Mean:	21.681 ppb	Ln Mean:	1.612
Std. Dev.:	63.909 ppb	Ln Std. Dev.:	1.400

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	2.000 ppb	0.693 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.000 ppb	Ln Minimum:	0.693
Maximum:	2.000 ppb	Ln Maximum:	0.693
Mean:	2.000 ppb	Ln Mean:	0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	2.000 ppb	0.693 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.000 ppb	Ln Minimum:	0.693
Maximum:	2.000 ppb	Ln Maximum:	0.693
Mean:	2.000 ppb	Ln Mean:	0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	2.000 ppb	0.693 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.000 ppb	Ln Minimum:	0.693
Maximum:	2.000 ppb	Ln Maximum:	0.693
Mean:	2.000 ppb	Ln Mean:	0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	2.000 ppb	0.693 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.000 ppb	Ln Minimum:	0.693
Maximum:	2.000 ppb	Ln Maximum:	0.693
Mean:	2.000 ppb	Ln Mean:	0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	99.800 ppb	4.603

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	99.800 ppb	Ln Minimum:	4.603
Maximum:	99.800 ppb	Ln Maximum:	4.603
Mean:	99.800 ppb	Ln Mean:	4.603
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	2.000 ppb	0.693 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.000 ppb	Ln Minimum:	0.693
Maximum:	2.000 ppb	Ln Maximum:	0.693

Mean:	2.000 ppb	Ln Mean:	0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	2.000 ppb	0.693 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.000 ppb	Ln Minimum:	0.693
Maximum:	2.000 ppb	Ln Maximum:	0.693
Mean:	2.000 ppb	Ln Mean:	0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	2.000 ppb	0.693 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.000 ppb	Ln Minimum:	0.693
Maximum:	2.000 ppb	Ln Maximum:	0.693
Mean:	2.000 ppb	Ln Mean:	0.693
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Nonparametric Prediction Interval
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Facility:Haz. Waste Unit 16 - RAAP
Parameter:Zinc, total(CAS Number:7440-66-6)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 296.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<4.000 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<4.000 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<4.000 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<4.000 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	99.800 ppb

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<4.000 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<4.000 ppb

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Facility: Haz. Waste Unit 16 - RAAP
Parameter: Zinc, total (CAS Number: 7440-66-6)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 296.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well: 16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<4.000 ppb

Data Set Summary

Report Printed: 02-21-2002 17:46

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:
Phone: () -

Permit Type:Background

Constituent:2,4-DNT 2,4-Dinitrotoluene

CAS Number: 121-14-2

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.080 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.040 ppb	-3.219 (* Nondetect *)
Jun 30 1996	0.040 ppb	-3.219 (* Nondetect *)
Sep 30 1996	0.040 ppb	-3.219 (* Nondetect *)
Dec 31 1996	0.040 ppb	-3.219 (* Nondetect *)
Mar 31 1997	0.040 ppb	-3.219 (* Nondetect *)
Jun 30 1997	0.040 ppb	-3.219 (* Nondetect *)
Sep 30 1997	0.040 ppb	-3.219 (* Nondetect *)
Dec 31 1997	0.040 ppb	-3.219 (* Nondetect *)
Feb 26 1998	0.040 ppb	-3.219 (* Nondetect *)
Apr 30 1998	0.040 ppb	-3.219 (* Nondetect *)
Aug 04 1998	0.040 ppb	-3.219 (* Nondetect *)
Nov 09 1998	0.100 ppb	-2.303
Mar 17 1999	0.040 ppb	-3.219 (* Nondetect *)
Jun 04 1999	0.040 ppb	-3.219 (* Nondetect *)
Jul 26 1999	0.040 ppb	-3.219 (* Nondetect *)
Nov 09 1999	0.040 ppb	-3.219 (* Nondetect *)
Dec 13 1999	0.040 ppb	-3.219 (* Nondetect *)
Dec 14 1999	0.040 ppb	-3.219 (* Nondetect *)
Dec 15 1999	0.040 ppb	-3.219 (* Nondetect *)
Dec 16 1999	0.040 ppb	-3.219 (* Nondetect *)
Dec 17 1999	0.040 ppb	-3.219 (* Nondetect *)

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND): 95

Minimum:	0.040 ppb	Ln Minimum:	-3.219
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.043 ppb	Ln Mean:	-3.175
Std. Dev.:	0.013 ppb	Ln Std. Dev.:	0.200

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.040 ppb	-3.219 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.040 ppb	Ln Minimum:	-3.219
Maximum:	0.040 ppb	Ln Maximum:	-3.219
Mean:	0.040 ppb	Ln Mean:	-3.219
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.040 ppb	-3.219 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.040 ppb	Ln Minimum:	-3.219
Maximum:	0.040 ppb	Ln Maximum:	-3.219
Mean:	0.040 ppb	Ln Mean:	-3.219
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.040 ppb	-3.219 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.040 ppb	Ln Minimum:	-3.219
Maximum:	0.040 ppb	Ln Maximum:	-3.219
Mean:	0.040 ppb	Ln Mean:	-3.219
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.040 ppb	-3.219 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.040 ppb	Ln Minimum:	-3.219
Maximum:	0.040 ppb	Ln Maximum:	-3.219
Mean:	0.040 ppb	Ln Mean:	-3.219
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.040 ppb	-3.219 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.040 ppb	Ln Minimum:	-3.219
Maximum:	0.040 ppb	Ln Maximum:	-3.219
Mean:	0.040 ppb	Ln Mean:	-3.219
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.040 ppb	-3.219 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.040 ppb	Ln Minimum:	-3.219
Maximum:	0.040 ppb	Ln Maximum:	-3.219

Mean:	0.040 ppb	Ln Mean:	-3.219
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.040 ppb	-3.219 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.040 ppb	Ln Minimum:	-3.219
Maximum:	0.040 ppb	Ln Maximum:	-3.219
Mean:	0.040 ppb	Ln Mean:	-3.219
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.040 ppb	-3.219 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.040 ppb	Ln Minimum:	-3.219
Maximum:	0.040 ppb	Ln Maximum:	-3.219
Mean:	0.040 ppb	Ln Mean:	-3.219
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Nonparametric Prediction Interval
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Facility:Haz. Waste Unit 16 - RAAP
Parameter:2,4-Dinitrotoluene(CAS Number:121-14-2)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 0.100 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.080 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.080 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.080 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.080 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.080 ppb

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.080 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.080 ppb

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Facility:Haz. Waste Unit 16 - RAAP
Parameter:2,4-Dinitrotoluene(CAS Number:121-14-2)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 0.100 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.080 ppb

Data Set Summary

Report Printed: 02-21-2002 17:47

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:2,6-DNT 2,6-Dinitrotoluene

CAS Number: 606-20-2

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.080 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.040 ppb	-3.219 (* Nondetect *)
Jun 30 1996	0.040 ppb	-3.219 (* Nondetect *)
Sep 30 1996	0.040 ppb	-3.219 (* Nondetect *)
Dec 31 1996	0.040 ppb	-3.219 (* Nondetect *)
Mar 31 1997	0.040 ppb	-3.219 (* Nondetect *)
Jun 30 1997	0.040 ppb	-3.219 (* Nondetect *)
Sep 30 1997	0.040 ppb	-3.219 (* Nondetect *)
Dec 31 1997	0.040 ppb	-3.219 (* Nondetect *)
Feb 26 1998	0.110 ppb	-2.207
Apr 30 1998	0.090 ppb	-2.408
Aug 04 1998	0.040 ppb	-3.219 (* Nondetect *)
Nov 09 1998	0.100 ppb	-2.303
Mar 17 1999	1.670 ppb	0.513
Jun 04 1999	0.040 ppb	-3.219 (* Nondetect *)
Jul 26 1999	0.040 ppb	-3.219 (* Nondetect *)
Nov 09 1999	0.040 ppb	-3.219 (* Nondetect *)
Dec 13 1999	0.040 ppb	-3.219 (* Nondetect *)
Dec 14 1999	0.040 ppb	-3.219 (* Nondetect *)
Dec 15 1999	0.040 ppb	-3.219 (* Nondetect *)
Dec 16 1999	0.040 ppb	-3.219 (* Nondetect *)
Dec 17 1999	0.040 ppb	-3.219 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND): 81

Minimum:	0.040 ppb	Ln Minimum:	-3.219
Maximum:	1.670 ppb	Ln Maximum:	0.513
Mean:	0.126 ppb	Ln Mean:	-2.911
Std. Dev.:	0.354 ppb	Ln Std. Dev.:	0.850

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.040 ppb	-3.219 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.040 ppb	Ln Minimum:	-3.219
Maximum:	0.040 ppb	Ln Maximum:	-3.219
Mean:	0.040 ppb	Ln Mean:	-3.219
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.040 ppb	-3.219 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.040 ppb	Ln Minimum:	-3.219
Maximum:	0.040 ppb	Ln Maximum:	-3.219
Mean:	0.040 ppb	Ln Mean:	-3.219
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.040 ppb	-3.219 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.040 ppb	Ln Minimum:	-3.219
Maximum:	0.040 ppb	Ln Maximum:	-3.219
Mean:	0.040 ppb	Ln Mean:	-3.219
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.040 ppb	-3.219 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.040 ppb	Ln Minimum:	-3.219
Maximum:	0.040 ppb	Ln Maximum:	-3.219
Mean:	0.040 ppb	Ln Mean:	-3.219
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.040 ppb	-3.219 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.040 ppb	Ln Minimum:	-3.219
Maximum:	0.040 ppb	Ln Maximum:	-3.219
Mean:	0.040 ppb	Ln Mean:	-3.219
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.040 ppb	-3.219 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.040 ppb	Ln Minimum:	-3.219
Maximum:	0.040 ppb	Ln Maximum:	-3.219

Mean:	0.040 ppb	Ln Mean:	-3.219
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.040 ppb	-3.219 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.040 ppb	Ln Minimum:	-3.219
Maximum:	0.040 ppb	Ln Maximum:	-3.219
Mean:	0.040 ppb	Ln Mean:	-3.219
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.040 ppb	-3.219 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.040 ppb	Ln Minimum:	-3.219
Maximum:	0.040 ppb	Ln Maximum:	-3.219
Mean:	0.040 ppb	Ln Mean:	-3.219
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Nonparametric Prediction Interval
Report Printed February 21,2002

Page 1

Facility:Haz. Waste Unit 16 - RAAP
Parameter:2,6-Dinitrotoluene(CAS Number:606-20-2)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 1.670 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.080 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.080 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.080 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.080 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.080 ppb

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.080 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.080 ppb

Nonparametric Prediction Interval
Report Printed February 21,2002

Page 2

Facility:Haz. Waste Unit 16 - RAAP
Parameter:2,6-Dinitrotoluene(CAS Number:606-20-2)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 1.670 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.080 ppb

Data Set Summary

Report Printed: 02-21-2002 17:54

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:
Phone:() -

Permit Type:Background

Constituent:Bromofirm Bromoform

CAS Number: 75-25-2
MCL: 0.000 0.3
ACL: 0.000 0.3
Detect Limit: 0.300 0.3

Start Date:Mar 31 1996
End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.150 0.3	-1.897 (* Nondetect *)
Jun 30 1996	0.150 0.3	-1.897 (* Nondetect *)
Sep 30 1996	0.150 0.3	-1.897 (* Nondetect *)
Dec 31 1996	0.150 0.3	-1.897 (* Nondetect *)
Mar 31 1997	0.150 0.3	-1.897 (* Nondetect *)
Jun 30 1997	0.150 0.3	-1.897 (* Nondetect *)
Sep 30 1997	0.150 0.3	-1.897 (* Nondetect *)
Dec 31 1997	0.150 0.3	-1.897 (* Nondetect *)
Feb 26 1998	0.150 0.3	-1.897 (* Nondetect *)
Apr 30 1998	0.150 0.3	-1.897 (* Nondetect *)
Aug 04 1998	0.150 0.3	-1.897 (* Nondetect *)
Nov 09 1998	0.150 0.3	-1.897 (* Nondetect *)
Mar 17 1999	0.150 0.3	-1.897 (* Nondetect *)
Jun 04 1999	0.150 0.3	-1.897 (* Nondetect *)
Jul 26 1999	0.150 0.3	-1.897 (* Nondetect *)
Nov 09 1999	0.150 0.3	-1.897 (* Nondetect *)
Dec 13 1999	0.150 0.3	-1.897 (* Nondetect *)
Dec 14 1999	0.150 0.3	-1.897 (* Nondetect *)
Dec 15 1999	0.150 0.3	-1.897 (* Nondetect *)
Dec 16 1999	0.150 0.3	-1.897 (* Nondetect *)
Dec 17 1999	0.150 0.3	-1.897 (* Nondetect *)

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND):100

Minimum:	0.150 0.3	Ln Minimum:	-1.897
Maximum:	0.150 0.3	Ln Maximum:	-1.897
Mean:	0.150 0.3	Ln Mean:	-1.897
Std. Dev.:	0.000 0.3	Ln Std. Dev.:	0.000

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.150 0.3	-1.897 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 0.3	Ln Minimum:	-1.897
Maximum:	0.150 0.3	Ln Maximum:	-1.897
Mean:	0.150 0.3	Ln Mean:	-1.897
Std. Dev.:	0.000 0.3	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.150 0.3	-1.897 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 0.3	Ln Minimum:	-1.897
Maximum:	0.150 0.3	Ln Maximum:	-1.897
Mean:	0.150 0.3	Ln Mean:	-1.897
Std. Dev.:	0.000 0.3	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.150 0.3	-1.897 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 0.3	Ln Minimum:	-1.897
Maximum:	0.150 0.3	Ln Maximum:	-1.897
Mean:	0.150 0.3	Ln Mean:	-1.897
Std. Dev.:	0.000 0.3	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.150 0.3	-1.897 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 0.3	Ln Minimum:	-1.897
Maximum:	0.150 0.3	Ln Maximum:	-1.897
Mean:	0.150 0.3	Ln Mean:	-1.897
Std. Dev.:	0.000 0.3	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.150 0.3	-1.897 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 0.3	Ln Minimum:	-1.897
Maximum:	0.150 0.3	Ln Maximum:	-1.897
Mean:	0.150 0.3	Ln Mean:	-1.897
Std. Dev.:	0.000 0.3	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.150 0.3	-1.897 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 0.3	Ln Minimum:	-1.897
Maximum:	0.150 0.3	Ln Maximum:	-1.897

Mean:	0.150 0.3	Ln Mean:	-1.897
Std. Dev.:	0.000 0.3	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.150 0.3	-1.897 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 0.3	Ln Minimum:	-1.897
Maximum:	0.150 0.3	Ln Maximum:	-1.897
Mean:	0.150 0.3	Ln Mean:	-1.897
Std. Dev.:	0.000 0.3	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.150 0.3	-1.897 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 0.3	Ln Minimum:	-1.897
Maximum:	0.150 0.3	Ln Maximum:	-1.897
Mean:	0.150 0.3	Ln Mean:	-1.897
Std. Dev.:	0.000 0.3	Ln Std. Dev.:	0.000

Data Set Summary

Report Printed: 02-21-2002 17:55

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:CCl4 Carbon tetrachloride

CAS Number: 56-23-5

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.200 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.100 ppb	-2.303 (* Nondetect *)
Jun 30 1996	0.100 ppb	-2.303 (* Nondetect *)
Sep 30 1996	0.100 ppb	-2.303 (* Nondetect *)
Dec 31 1996	0.100 ppb	-2.303 (* Nondetect *)
Mar 31 1997	0.100 ppb	-2.303 (* Nondetect *)
Jun 30 1997	0.100 ppb	-2.303 (* Nondetect *)
Sep 30 1997	0.100 ppb	-2.303 (* Nondetect *)
Dec 31 1997	0.100 ppb	-2.303 (* Nondetect *)
Feb 26 1998	0.100 ppb	-2.303 (* Nondetect *)
Apr 30 1998	0.100 ppb	-2.303 (* Nondetect *)
Aug 04 1998	0.100 ppb	-2.303 (* Nondetect *)
Nov 09 1998	0.100 ppb	-2.303 (* Nondetect *)
Mar 17 1999	0.100 ppb	-2.303 (* Nondetect *)
Jun 04 1999	0.100 ppb	-2.303 (* Nondetect *)
Jul 26 1999	0.100 ppb	-2.303 (* Nondetect *)
Nov 09 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 13 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 14 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 15 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 16 1999	0.100 ppb	-2.303 (* Nondetect *)
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303

Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Data Set Summary

Report Printed: 02-21-2002 17:56

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford

ST:VA Zip:24141

County:PULASKI

Contact:

Phone:() -

Permit Type:Background

Constituent:ChlBenz Chlorobenzene

CAS Number: 108-90-7

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.100 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Mar 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Feb 26 1998	0.050 ppb	-2.996 (* Nondetect *)
Apr 30 1998	0.050 ppb	-2.996 (* Nondetect *)
Aug 04 1998	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1998	0.050 ppb	-2.996 (* Nondetect *)
Mar 17 1999	0.050 ppb	-2.996 (* Nondetect *)
Jun 04 1999	0.050 ppb	-2.996 (* Nondetect *)
Jul 26 1999	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 13 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 14 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 15 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 16 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996

Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Data Set Summary

Report Printed: 02-21-2002 17:58

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:ChlMeth Chloromethane

CAS Number: 74-87-3

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.300 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.150 ppb	-1.897 (* Nondetect *)
Jun 30 1996	0.150 ppb	-1.897 (* Nondetect *)
Sep 30 1996	0.150 ppb	-1.897 (* Nondetect *)
Dec 31 1996	0.150 ppb	-1.897 (* Nondetect *)
Mar 31 1997	0.150 ppb	-1.897 (* Nondetect *)
Jun 30 1997	0.150 ppb	-1.897 (* Nondetect *)
Sep 30 1997	0.150 ppb	-1.897 (* Nondetect *)
Dec 31 1997	0.150 ppb	-1.897 (* Nondetect *)
Feb 26 1998	0.150 ppb	-1.897 (* Nondetect *)
Apr 30 1998	0.150 ppb	-1.897 (* Nondetect *)
Aug 04 1998	0.150 ppb	-1.897 (* Nondetect *)
Nov 09 1998	0.150 ppb	-1.897 (* Nondetect *)
Mar 17 1999	0.150 ppb	-1.897 (* Nondetect *)
Jun 04 1999	0.150 ppb	-1.897 (* Nondetect *)
Jul 26 1999	0.150 ppb	-1.897 (* Nondetect *)
Nov 09 1999	0.150 ppb	-1.897 (* Nondetect *)
Dec 13 1999	0.150 ppb	-1.897 (* Nondetect *)
Dec 14 1999	0.150 ppb	-1.897 (* Nondetect *)
Dec 15 1999	0.150 ppb	-1.897 (* Nondetect *)
Dec 16 1999	0.150 ppb	-1.897 (* Nondetect *)
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897

Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Data Set Summary

Report Printed: 02-21-2002 18:08

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford

ST:VA Zip:24141

County:PULASKI

Contact:

Phone:() -

Permit Type:Background

Constituent:Di-N-Bu Di-n-Butylphthalate

CAS Number: 84-74-2

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 5.000 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	2.500 ppb	0.916 (* Nondetect *)
Jun 30 1996	2.500 ppb	0.916 (* Nondetect *)
Sep 30 1996	2.500 ppb	0.916 (* Nondetect *)
Dec 31 1996	2.500 ppb	0.916 (* Nondetect *)
Mar 31 1997	2.500 ppb	0.916 (* Nondetect *)
Jun 30 1997	2.500 ppb	0.916 (* Nondetect *)
Sep 30 1997	2.500 ppb	0.916 (* Nondetect *)
Dec 31 1997	2.500 ppb	0.916 (* Nondetect *)
Feb 26 1998	2.500 ppb	0.916 (* Nondetect *)
Apr 30 1998	2.500 ppb	0.916 (* Nondetect *)
Aug 04 1998	2.500 ppb	0.916 (* Nondetect *)
Nov 09 1998	2.500 ppb	0.916 (* Nondetect *)
Mar 17 1999	2.500 ppb	0.916 (* Nondetect *)
Jun 04 1999	2.500 ppb	0.916 (* Nondetect *)
Jul 26 1999	2.500 ppb	0.916 (* Nondetect *)
Nov 09 1999	2.500 ppb	0.916 (* Nondetect *)
Dec 13 1999	2.500 ppb	0.916 (* Nondetect *)
Dec 14 1999	2.500 ppb	0.916 (* Nondetect *)
Dec 15 1999	2.500 ppb	0.916 (* Nondetect *)
Dec 16 1999	2.500 ppb	0.916 (* Nondetect *)
Dec 17 1999	2.500 ppb	0.916 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND):100

Minimum:	2.500 ppb	Ln Minimum:	0.916
Maximum:	2.500 ppb	Ln Maximum:	0.916
Mean:	2.500 ppb	Ln Mean:	0.916
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	2.500 ppb	0.916 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.500 ppb	Ln Minimum:	0.916
Maximum:	2.500 ppb	Ln Maximum:	0.916
Mean:	2.500 ppb	Ln Mean:	0.916
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	2.500 ppb	0.916 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.500 ppb	Ln Minimum:	0.916
Maximum:	2.500 ppb	Ln Maximum:	0.916
Mean:	2.500 ppb	Ln Mean:	0.916
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	2.500 ppb	0.916 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.500 ppb	Ln Minimum:	0.916
Maximum:	2.500 ppb	Ln Maximum:	0.916
Mean:	2.500 ppb	Ln Mean:	0.916
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	2.500 ppb	0.916 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.500 ppb	Ln Minimum:	0.916
Maximum:	2.500 ppb	Ln Maximum:	0.916
Mean:	2.500 ppb	Ln Mean:	0.916
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	2.500 ppb	0.916 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.500 ppb	Ln Minimum:	0.916
Maximum:	2.500 ppb	Ln Maximum:	0.916
Mean:	2.500 ppb	Ln Mean:	0.916
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	2.500 ppb	0.916 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.500 ppb	Ln Minimum:	0.916
Maximum:	2.500 ppb	Ln Maximum:	0.916

Mean:	2.500 ppb	Ln Mean:	0.916
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	2.500 ppb	0.916 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.500 ppb	Ln Minimum:	0.916
Maximum:	2.500 ppb	Ln Maximum:	0.916
Mean:	2.500 ppb	Ln Mean:	0.916
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	2.500 ppb	0.916 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.500 ppb	Ln Minimum:	0.916
Maximum:	2.500 ppb	Ln Maximum:	0.916
Mean:	2.500 ppb	Ln Mean:	0.916
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Data Set Summary

Report Printed: 02-21-2002 17:44

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:1,4-DCB 1,4-Dichlorobenzene

CAS Number: 106-46-7

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.100 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Mar 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Feb 26 1998	0.050 ppb	-2.996 (* Nondetect *)
Apr 30 1998	0.050 ppb	-2.996 (* Nondetect *)
Aug 04 1998	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1998	0.050 ppb	-2.996 (* Nondetect *)
Mar 17 1999	0.050 ppb	-2.996 (* Nondetect *)
Jun 04 1999	0.050 ppb	-2.996 (* Nondetect *)
Jul 26 1999	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 13 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 14 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 15 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 16 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996

Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Data Set Summary

Report Printed: 02-21-2002 18:06

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:DC1DF1Me Dichlorodifluoromethane

CAS Number: 75-71-8

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.300 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	26.300 ppb	3.270
Jun 30 1996	16.400 ppb	2.797
Sep 30 1996	0.150 ppb	-1.897 (* Nondetect *)
Dec 31 1996	9.800 ppb	2.282
Mar 31 1997	29.600 ppb	3.388
Jun 30 1997	16.200 ppb	2.785
Sep 30 1997	18.800 ppb	2.934
Dec 31 1997	38.000 ppb	3.638
Feb 26 1998	7.000 ppb	1.946
Apr 30 1998	7.100 ppb	1.960
Aug 04 1998	11.400 ppb	2.434
Nov 09 1998	13.900 ppb	2.632
Mar 17 1999	5.400 ppb	1.686
Jun 04 1999	8.200 ppb	2.104
Jul 26 1999	8.800 ppb	2.175
Nov 09 1999	6.250 ppb	1.833
Dec 13 1999	0.150 ppb	-1.897 (* Nondetect *)
Dec 14 1999	4.100 ppb	1.411
Dec 15 1999	0.150 ppb	-1.897 (* Nondetect *)
Dec 16 1999	2.880 ppb	1.058
Dec 17 1999	3.560 ppb	1.270

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND): 14

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	38.000 ppb	Ln Maximum:	3.638
Mean:	11.150 ppb	Ln Mean:	1.710
Std. Dev.:	10.138 ppb	Ln Std. Dev.:	1.654

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897

Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Normality Tests

Report Printed: 02-21-2002 18:06

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:DC1DF1Me Dichlorodifluoromethane

CAS Number: 75-71-8

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.300 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Normality Test on Observations for wells listed below:

Well:16C1 Position:Upgradient Observations:21

Scale	Minimum	Maximum	Mean	Std Dev
Original:	0.150	38.000	11.150	10.138
Log:	-1.897	3.638	1.710	1.654

Pooled Statistics

Observations: 21

Statistic	Original Scale	Log Scale
Mean:	11.150	1.710
Std Dev:	10.138	1.654
Skewness:	1.181*	-1.353*
Kurtosis:	0.727	0.797
Minimum:	0.150	-1.897
Maximum:	38.000	3.638
CV:	0.909	0.968

Shapiro-Wilk Statistics

	Test Scale Statistic	5% Critical Value	1% Critical Value
Original:	0.8798*	0.9080	0.8730

Log: 0.7993* 0.9080 0.8730

* Indicates statistically significant evidence of non-normality.
GRIT/STAT Version 5.0

Nonparametric Prediction Interval
Report Printed February 21,2002

Page 1

Facility:Haz. Waste Unit 16 - RAAP
Parameter:Dichlorodifluoromethane(CAS Number:75-71-8)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 38.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.300 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.300 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.300 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.300 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.300 ppb

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.300 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.300 ppb

Nonparametric Prediction Interval
Report Printed February 21,2002

Page 2

Facility:Haz. Waste Unit 16 - RAAP
Parameter:Dichlorodifluoromethane(CAS Number:75-71-8)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 38.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.300 ppb

Data Set Summary

Report Printed: 02-21-2002 17:40

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:1,1DCE 1,1-Dichloroethane

CAS Number: 75-34-3

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.200 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	5.400 ppb	1.686
Jun 30 1996	6.300 ppb	1.841
Sep 30 1996	6.100 ppb	1.808
Dec 31 1996	6.800 ppb	1.917
Mar 31 1997	6.000 ppb	1.792
Jun 30 1997	6.200 ppb	1.825
Sep 30 1997	9.500 ppb	2.251
Dec 31 1997	5.500 ppb	1.705
Feb 26 1998	5.300 ppb	1.668
Apr 30 1998	6.400 ppb	1.856
Aug 04 1998	6.000 ppb	1.792
Nov 09 1998	8.700 ppb	2.163
Mar 17 1999	5.600 ppb	1.723
Jun 04 1999	8.500 ppb	2.140
Jul 26 1999	7.500 ppb	2.015
Nov 09 1999	6.120 ppb	1.812
Dec 13 1999	6.970 ppb	1.942
Dec 14 1999	5.830 ppb	1.763
Dec 15 1999	2.410 ppb	0.880
Dec 16 1999	8.780 ppb	2.172
Dec 17 1999	8.140 ppb	2.097

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND): 0

Minimum:	2.410 ppb	Ln Minimum:	0.880
Maximum:	9.500 ppb	Ln Maximum:	2.251
Mean:	6.574 ppb	Ln Mean:	1.850
Std. Dev.:	1.573 ppb	Ln Std. Dev.:	0.283

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	5.130 ppb	1.635

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	5.130 ppb	Ln Minimum:	1.635
Maximum:	5.130 ppb	Ln Maximum:	1.635
Mean:	5.130 ppb	Ln Mean:	1.635
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303

Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	4.350 ppb	1.470

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	4.350 ppb	Ln Minimum:	1.470
Maximum:	4.350 ppb	Ln Maximum:	1.470
Mean:	4.350 ppb	Ln Mean:	1.470
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.100 ppb	-2.303 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.100 ppb	Ln Minimum:	-2.303
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.100 ppb	Ln Mean:	-2.303
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Normality Tests

Report Printed: 02-21-2002 17:40

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:1,1DCE 1,1-Dichloroethane

CAS Number: 75-34-3

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.200 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Normality Test on Observations for wells listed below:

Well:16C1 Position:Upgradient Observations:21

Scale	Minimum	Maximum	Mean	Std Dev
Original:	2.410	9.500	6.574	1.573
Log:	0.880	2.251	1.850	0.283

Pooled Statistics

Observations: 21

Statistic	Original Scale	Log Scale
Mean:	6.574	1.850
Std Dev:	1.573	0.283
Skewness:	-0.287	-1.702*
Kurtosis:	0.821	4.713
Minimum:	2.410	0.880
Maximum:	9.500	2.251
CV:	0.239	0.153

Shapiro-Wilk Statistics

	Test Statistic	5% Critical Value	1% Critical Value
Original:	0.9209	0.9080	0.8730

Log: 0.8133* 0.9080 0.8730

* Indicates statistically significant evidence of non-normality.
GRIT/STAT Version 5.0

Parametric Prediction Interval
Report Printed February 21,2002

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Facility:Haz. Waste Unit 16 - RAAP
Parameter:1,1-Dichloroethane(CAS Number:75-34-3)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Shapiro-Wilk (W): 0.9209
Critical W, $\alpha=0.01$: 0.8730
Mean: 6.574 ppb
Std Dev: 1.573 ppb
DF: 20
Conf. Level (1- α): 0.9500
Future Samples (k): 1
 $t \left[\begin{array}{c} 1 - \alpha \\ - \\ k \end{array} \right]$: 1.7247
Kappa: 1.7653
UL: 9.351 ppb
LL: $-\infty$

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	5.130 ppb

Parametric Prediction Interval
Report Printed February 21,2002

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Facility:Haz. Waste Unit 16 - RAAP
Parameter:1,1-Dichloroethane(CAS Number:75-34-3)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Shapiro-Wilk (W): 0.9209
Critical W, $\alpha=0.01$: 0.8730
Mean: 6.574 ppb
Std Dev: 1.573 ppb
DF: 20
Conf. Level (1- α): 0.9500
Future Samples (k): 1
 $t \left[\begin{matrix} 1 - \alpha \\ - \\ k \end{matrix} \right]$: 1.7247
Kappa: 1.7653
UL: 9.351 ppb
LL: $-\infty$

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	4.350 ppb

Well:16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.200 ppb

Data Set Summary

Report Printed: 02-21-2002 17:43

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:1,2DCE 1,2-Dichloroethane

CAS Number: 107-06-2

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.100 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Mar 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Feb 26 1998	0.050 ppb	-2.996 (* Nondetect *)
Apr 30 1998	0.050 ppb	-2.996 (* Nondetect *)
Aug 04 1998	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1998	0.050 ppb	-2.996 (* Nondetect *)
Mar 17 1999	0.050 ppb	-2.996 (* Nondetect *)
Jun 04 1999	0.050 ppb	-2.996 (* Nondetect *)
Jul 26 1999	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 13 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 14 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 15 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 16 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996

Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Data Set Summary

Report Printed: 02-21-2002 18:26

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:TransDCE trans-1,2-Dichloroethene (-ylene)

CAS Number: 156-60-5

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.100 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Mar 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Feb 26 1998	0.050 ppb	-2.996 (* Nondetect *)
Apr 30 1998	0.050 ppb	-2.996 (* Nondetect *)
Aug 04 1998	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1998	0.050 ppb	-2.996 (* Nondetect *)
Mar 17 1999	0.050 ppb	-2.996 (* Nondetect *)
Jun 04 1999	0.050 ppb	-2.996 (* Nondetect *)
Jul 26 1999	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 13 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 14 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 15 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 16 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996

Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Data Set Summary

Report Printed: 02-21-2002 18:09

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:EthBen Ethylbenzene

CAS Number: 100-41-4

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.100 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Mar 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Feb 26 1998	0.050 ppb	-2.996 (* Nondetect *)
Apr 30 1998	0.050 ppb	-2.996 (* Nondetect *)
Aug 04 1998	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1998	0.050 ppb	-2.996 (* Nondetect *)
Mar 17 1999	0.700 ppb	-0.357
Jun 04 1999	0.050 ppb	-2.996 (* Nondetect *)
Jul 26 1999	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 13 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 14 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 15 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 16 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND): 95

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.700 ppb	Ln Maximum:	-0.357
Mean:	0.081 ppb	Ln Mean:	-2.870
Std. Dev.:	0.142 ppb	Ln Std. Dev.:	0.576

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996

Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Nonparametric Prediction Interval
Report Printed February 21,2002

Page 1

Facility:Haz. Waste Unit 16 - RAAP
Parameter:Ethylbenzene(CAS Number:100-41-4)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 0.700 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Nonparametric Prediction Interval
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Facility:Haz. Waste Unit 16 - RAAP
Parameter:Ethylbenzene(CAS Number:100-41-4)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 0.700 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Data Set Summary

Report Printed: 02-21-2002 18:12

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:MeEthKe Methylene ketone (MEK) (2-Butanone)

CAS Number: 78-93-3

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 1.100 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.550 ppb	-0.598 (* Nondetect *)
Jun 30 1996	0.550 ppb	-0.598 (* Nondetect *)
Sep 30 1996	0.550 ppb	-0.598 (* Nondetect *)
Dec 31 1996	0.550 ppb	-0.598 (* Nondetect *)
Mar 31 1997	0.550 ppb	-0.598 (* Nondetect *)
Jun 30 1997	0.550 ppb	-0.598 (* Nondetect *)
Sep 30 1997	0.550 ppb	-0.598 (* Nondetect *)
Dec 31 1997	0.550 ppb	-0.598 (* Nondetect *)
Feb 26 1998	0.550 ppb	-0.598 (* Nondetect *)
Apr 30 1998	0.550 ppb	-0.598 (* Nondetect *)
Aug 04 1998	0.550 ppb	-0.598 (* Nondetect *)
Nov 09 1998	0.550 ppb	-0.598 (* Nondetect *)
Mar 17 1999	11.200 ppb	2.416
Jun 04 1999	0.550 ppb	-0.598 (* Nondetect *)
Jul 26 1999	0.550 ppb	-0.598 (* Nondetect *)
Nov 09 1999	0.550 ppb	-0.598 (* Nondetect *)
Dec 13 1999	0.550 ppb	-0.598 (* Nondetect *)
Dec 14 1999	0.550 ppb	-0.598 (* Nondetect *)
Dec 15 1999	0.550 ppb	-0.598 (* Nondetect *)
Dec 16 1999	0.550 ppb	-0.598 (* Nondetect *)
Dec 17 1999	0.550 ppb	-0.598 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND): 95

Minimum:	0.550 ppb	Ln Minimum:	-0.598
Maximum:	11.200 ppb	Ln Maximum:	2.416
Mean:	1.057 ppb	Ln Mean:	-0.454
Std. Dev.:	2.324 ppb	Ln Std. Dev.:	0.658

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.550 ppb	-0.598 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.550 ppb	Ln Minimum:	-0.598
Maximum:	0.550 ppb	Ln Maximum:	-0.598
Mean:	0.550 ppb	Ln Mean:	-0.598
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.550 ppb	-0.598 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.550 ppb	Ln Minimum:	-0.598
Maximum:	0.550 ppb	Ln Maximum:	-0.598
Mean:	0.550 ppb	Ln Mean:	-0.598
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.550 ppb	-0.598 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.550 ppb	Ln Minimum:	-0.598
Maximum:	0.550 ppb	Ln Maximum:	-0.598
Mean:	0.550 ppb	Ln Mean:	-0.598
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.550 ppb	-0.598 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.550 ppb	Ln Minimum:	-0.598
Maximum:	0.550 ppb	Ln Maximum:	-0.598
Mean:	0.550 ppb	Ln Mean:	-0.598
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.550 ppb	-0.598 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.550 ppb	Ln Minimum:	-0.598
Maximum:	0.550 ppb	Ln Maximum:	-0.598
Mean:	0.550 ppb	Ln Mean:	-0.598
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.550 ppb	-0.598 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.550 ppb	Ln Minimum:	-0.598
Maximum:	0.550 ppb	Ln Maximum:	-0.598

Mean:	0.550 ppb	Ln Mean:	-0.598
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.550 ppb	-0.598 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.550 ppb	Ln Minimum:	-0.598
Maximum:	0.550 ppb	Ln Maximum:	-0.598
Mean:	0.550 ppb	Ln Mean:	-0.598
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.550 ppb	-0.598 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.550 ppb	Ln Minimum:	-0.598
Maximum:	0.550 ppb	Ln Maximum:	-0.598
Mean:	0.550 ppb	Ln Mean:	-0.598
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Nonparametric Prediction Interval
Report Printed February 21,2002

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Facility:Haz. Waste Unit 16 - RAAP
Parameter:Methylethylketone (MEK) (2-Butanone(CAS Number:78-93-3))

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 11.200 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.100 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.100 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.100 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.100 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.100 ppb

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.100 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1.100 ppb

Nonparametric Prediction Interval

Report Printed February 21, 2002

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Facility: Haz. Waste Unit 16 - RAAP

Parameter: Methylethylketone (MEK) (2-Butanone (CAS Number: 78-93-3))

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21

Conf. Level (1- α): 95.450%

UL: 11.200 ppb

LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well: 16WC2B

Sample Date

12/17/99

Observation

ND < 1.100 ppb

Data Set Summary

Report Printed: 02-21-2002 18:24

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:
Phone:() -

Permit Type:Background

Constituent:TetClEth 1,1,2,2-Tetrachloroethane

CAS Number: 79-34-5
MCL: 0.000 ppb
ACL: 0.000 ppb
Detect Limit: 0.100 ppb

Start Date:Mar 31 1996
End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Mar 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Feb 26 1998	0.050 ppb	-2.996 (* Nondetect *)
Apr 30 1998	0.050 ppb	-2.996 (* Nondetect *)
Aug 04 1998	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1998	0.050 ppb	-2.996 (* Nondetect *)
Mar 17 1999	0.050 ppb	-2.996 (* Nondetect *)
Jun 04 1999	0.050 ppb	-2.996 (* Nondetect *)
Jul 26 1999	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 13 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 14 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 15 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 16 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996

Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Data Set Summary

Report Printed: 02-21-2002 18:23

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:TetCEthy Tetrachloroethene (-ethylene)

CAS Number: 127-18-4

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.100 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.300 ppb	-1.204
Jun 30 1996	0.400 ppb	-0.916
Sep 30 1996	0.400 ppb	-0.916
Dec 31 1996	0.400 ppb	-0.916
Mar 31 1997	0.400 ppb	-0.916
Jun 30 1997	0.300 ppb	-1.204
Sep 30 1997	0.500 ppb	-0.693
Dec 31 1997	0.200 ppb	-1.609
Feb 26 1998	0.200 ppb	-1.609
Apr 30 1998	0.050 ppb	-2.996 (* Nondetect *)
Aug 04 1998	0.400 ppb	-0.916
Nov 09 1998	0.050 ppb	-2.996 (* Nondetect *)
Mar 17 1999	0.500 ppb	-0.693
Jun 04 1999	0.600 ppb	-0.511
Jul 26 1999	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 13 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 14 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 15 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 16 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND): 43

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.600 ppb	Ln Maximum:	-0.511
Mean:	0.240 ppb	Ln Mean:	-1.860
Std. Dev.:	0.191 ppb	Ln Std. Dev.:	1.039

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996

Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Normality Tests

Report Printed: 02-21-2002 18:23

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:
Phone:() -

Permit Type:Background

Constituent:TetCEthy Tetrachloroethene (-ethylene)

CAS Number: 127-18-4
MCL: 0.000 ppb
ACL: 0.000 ppb
Detect Limit: 0.100 ppb

Start Date:Mar 31 1996
End Date:Dec 17 1999

Normality Test on Observations for wells listed below:

Well:16C1 Position:Upgradient Observations:21

Scale	Minimum	Maximum	Mean	Std Dev
Original:	0.050	0.600	0.240	0.191
Log:	-2.996	-0.511	-1.860	1.039

Pooled Statistics

Observations: 21

Statistic	Original Scale	Log Scale
Mean:	0.240	-1.860
Std Dev:	0.191	1.039
Skewness:	0.294	-0.125
Kurtosis:	-1.380	-1.814
Minimum:	0.050	-2.996
Maximum:	0.600	-0.511
CV:	0.793	-0.559

Shapiro-Wilk Statistics

	Test Scale Statistic	5% Critical Value	1% Critical Value
Original:	0.8374*	0.9080	0.8730

Log: 0.7684* 0.9080 0.8730

* Indicates statistically significant evidence of non-normality.
GRIT/STAT Version 5.0

Nonparametric Prediction Interval

Report Printed February 21, 2002

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Facility: Haz. Waste Unit 16 - RAAP
Parameter: Tetrachloroethene (-ethylene) (CAS Number: 127-18-4)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 0.600 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well: 16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Nonparametric Prediction Interval
Report Printed February 21, 2002

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Facility: Haz. Waste Unit 16 - RAAP
Parameter: Tetrachloroethene (-ethylene) (CAS Number: 127-18-4)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 0.600 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well: 16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Data Set Summary

Report Printed: 02-21-2002 17:34

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:1,1,1Tri 1,1,1-Trichloroethane

CAS Number: 71-55-6

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.300 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.150 ppb	-1.897 (* Nondetect *)
Jun 30 1996	0.400 ppb	-0.916
Sep 30 1996	0.150 ppb	-1.897 (* Nondetect *)
Dec 31 1996	9.200 ppb	2.219
Mar 31 1997	7.600 ppb	2.028
Jun 30 1997	7.100 ppb	1.960
Sep 30 1997	5.500 ppb	1.705
Dec 31 1997	5.800 ppb	1.758
Feb 26 1998	4.900 ppb	1.589
Apr 30 1998	5.900 ppb	1.775
Aug 04 1998	5.600 ppb	1.723
Nov 09 1998	6.700 ppb	1.902
Mar 17 1999	4.700 ppb	1.548
Jun 04 1999	6.500 ppb	1.872
Jul 26 1999	5.400 ppb	1.686
Nov 09 1999	4.450 ppb	1.493
Dec 13 1999	3.140 ppb	1.144
Dec 14 1999	3.170 ppb	1.154
Dec 15 1999	6.730 ppb	1.907
Dec 16 1999	4.260 ppb	1.449
Dec 17 1999	3.610 ppb	1.284

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND): 10

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	9.200 ppb	Ln Maximum:	2.219
Mean:	4.808 ppb	Ln Mean:	1.214
Std. Dev.:	2.411 ppb	Ln Std. Dev.:	1.209

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897

Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.150 ppb	-1.897 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.150 ppb	Ln Minimum:	-1.897
Maximum:	0.150 ppb	Ln Maximum:	-1.897
Mean:	0.150 ppb	Ln Mean:	-1.897
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Normality Tests

Report Printed: 02-21-2002 17:38

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:1,1,1Tri 1,1,1-Trichloroethane

CAS Number: 71-55-6

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.300 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Normality Test on Observations for wells listed below:

Well:16C1 Position:Upgradient Observations:21

Scale	Minimum	Maximum	Mean	Std Dev
Original:	0.150	9.200	4.808	2.411
Log:	-1.897	2.219	1.214	1.209

Pooled Statistics

Observations: 21

Statistic	Original Scale	Log Scale
Mean:	4.808	1.214
Std Dev:	2.411	1.209
Skewness:	-0.578	-1.916*
Kurtosis:	-0.151	2.173
Minimum:	0.150	-1.897
Maximum:	9.200	2.219
CV:	0.502	0.996

Shapiro-Wilk Statistics

	Test Statistic	5% Critical Value	1% Critical Value
Original:	0.9357	0.9080	0.8730

Log: 0.6458* 0.9080 0.8730

* Indicates statistically significant evidence of non-normality.
GRIT/STAT Version 5.0

Parametric Prediction Interval
Report Printed February 21, 2002

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Facility: Haz. Waste Unit 16 - RAAP
Parameter: 1,1,1-Trichloroethane (CAS Number: 71-55-6)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Shapiro-Wilk (W): 0.9357
Critical W, $\alpha=0.01$: 0.8730
Mean: 4.808 ppb
Std Dev: 2.411 ppb
DF: 20
Conf. Level (1- α): 0.9500
Future Samples (k): 1
 $t_{\left[\begin{smallmatrix} 1 - \alpha \\ - \\ k \end{smallmatrix} \right]}$: 1.7247
Kappa: 1.7653
UL: 9.064 ppb
LL: $-\infty$

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.300 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.300 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.300 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.300 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.300 ppb

Parametric Prediction Interval
Report Printed February 21,2002

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Facility:Haz. Waste Unit 16 - RAAP
Parameter:1,1,1-Trichloroethane(CAS Number:71-55-6)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Shapiro-Wilk (W): 0.9357
Critical W, $\alpha=0.01$: 0.8730
Mean: 4.808 ppb
Std Dev: 2.411 ppb
DF: 20
Conf. Level (1- α): 0.9500
Future Samples (k): 1
 $t \left[\begin{matrix} 1 - \alpha \\ - \\ k \end{matrix} \right]$: 1.7247
Kappa: 1.7653
UL: 9.064 ppb
LL: $-\infty$

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.300 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.300 ppb

Well:16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.300 ppb

Data Set Summary

Report Printed: 02-21-2002 17:40

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:
Phone: () -

Permit Type:Background

Constituent:1,1,2Tri 1,1,2-Trichloroethane

CAS Number: 79-00-5
MCL: 0.000 ppb
ACL: 0.000 ppb
Detect Limit: 0.500 ppb

Start Date:Mar 31 1996
End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.250 ppb	-1.386 (* Nondetect *)
Jun 30 1996	0.250 ppb	-1.386 (* Nondetect *)
Sep 30 1996	0.250 ppb	-1.386 (* Nondetect *)
Dec 31 1996	0.250 ppb	-1.386 (* Nondetect *)
Mar 31 1997	0.250 ppb	-1.386 (* Nondetect *)
Jun 30 1997	0.250 ppb	-1.386 (* Nondetect *)
Sep 30 1997	0.250 ppb	-1.386 (* Nondetect *)
Dec 31 1997	0.250 ppb	-1.386 (* Nondetect *)
Feb 26 1998	0.250 ppb	-1.386 (* Nondetect *)
Apr 30 1998	0.250 ppb	-1.386 (* Nondetect *)
Aug 04 1998	0.250 ppb	-1.386 (* Nondetect *)
Nov 09 1998	0.250 ppb	-1.386 (* Nondetect *)
Mar 17 1999	0.250 ppb	-1.386 (* Nondetect *)
Jun 04 1999	0.250 ppb	-1.386 (* Nondetect *)
Jul 26 1999	0.250 ppb	-1.386 (* Nondetect *)
Nov 09 1999	0.250 ppb	-1.386 (* Nondetect *)
Dec 13 1999	0.250 ppb	-1.386 (* Nondetect *)
Dec 14 1999	0.250 ppb	-1.386 (* Nondetect *)
Dec 15 1999	0.250 ppb	-1.386 (* Nondetect *)
Dec 16 1999	0.250 ppb	-1.386 (* Nondetect *)
Dec 17 1999	0.250 ppb	-1.386 (* Nondetect *)

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND):100

Minimum:	0.250 ppb	Ln Minimum:	-1.386
Maximum:	0.250 ppb	Ln Maximum:	-1.386
Mean:	0.250 ppb	Ln Mean:	-1.386
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.250 ppb	-1.386 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.250 ppb	Ln Minimum:	-1.386
Maximum:	0.250 ppb	Ln Maximum:	-1.386
Mean:	0.250 ppb	Ln Mean:	-1.386
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.250 ppb	-1.386 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.250 ppb	Ln Minimum:	-1.386
Maximum:	0.250 ppb	Ln Maximum:	-1.386
Mean:	0.250 ppb	Ln Mean:	-1.386
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.250 ppb	-1.386 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.250 ppb	Ln Minimum:	-1.386
Maximum:	0.250 ppb	Ln Maximum:	-1.386
Mean:	0.250 ppb	Ln Mean:	-1.386
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.250 ppb	-1.386 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.250 ppb	Ln Minimum:	-1.386
Maximum:	0.250 ppb	Ln Maximum:	-1.386
Mean:	0.250 ppb	Ln Mean:	-1.386
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.250 ppb	-1.386 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.250 ppb	Ln Minimum:	-1.386
Maximum:	0.250 ppb	Ln Maximum:	-1.386
Mean:	0.250 ppb	Ln Mean:	-1.386
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.250 ppb	-1.386 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.250 ppb	Ln Minimum:	-1.386
Maximum:	0.250 ppb	Ln Maximum:	-1.386

Mean:	0.250 ppb	Ln Mean:	-1.386
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.250 ppb	-1.386 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.250 ppb	Ln Minimum:	-1.386
Maximum:	0.250 ppb	Ln Maximum:	-1.386
Mean:	0.250 ppb	Ln Mean:	-1.386
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.250 ppb	-1.386 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.250 ppb	Ln Minimum:	-1.386
Maximum:	0.250 ppb	Ln Maximum:	-1.386
Mean:	0.250 ppb	Ln Mean:	-1.386
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Data Set Summary

Report Printed: 02-21-2002 18:17

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:
Phone:() -

Permit Type:Background

Constituent:TCE Trichloroethene (-ethylene)

CAS Number: 79-01-6

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.100 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Mar 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Feb 26 1998	0.050 ppb	-2.996 (* Nondetect *)
Apr 30 1998	0.050 ppb	-2.996 (* Nondetect *)
Aug 04 1998	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1998	0.050 ppb	-2.996 (* Nondetect *)
Mar 17 1999	0.050 ppb	-2.996 (* Nondetect *)
Jun 04 1999	0.050 ppb	-2.996 (* Nondetect *)
Jul 26 1999	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 13 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 14 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 15 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 16 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996

Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Data Set Summary

Report Printed: 02-21-2002 18:17

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:TClFlMe Trichlorofluoromethane

CAS Number: 75-69-4

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.500 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	8.100 ppb	2.092
Jun 30 1996	7.400 ppb	2.001
Sep 30 1996	5.800 ppb	1.758
Dec 31 1996	4.600 ppb	1.526
Mar 31 1997	4.000 ppb	1.386
Jun 30 1997	2.300 ppb	0.833
Sep 30 1997	5.500 ppb	1.705
Dec 31 1997	9.100 ppb	2.208
Feb 26 1998	3.800 ppb	1.335
Apr 30 1998	2.800 ppb	1.030
Aug 04 1998	2.500 ppb	0.916
Nov 09 1998	3.500 ppb	1.253
Mar 17 1999	3.900 ppb	1.361
Jun 04 1999	2.300 ppb	0.833
Jul 26 1999	1.900 ppb	0.642
Nov 09 1999	3.210 ppb	1.166
Dec 13 1999	0.250 ppb	-1.386 (* Nondetect *)
Dec 14 1999	2.420 ppb	0.884
Dec 15 1999	0.250 ppb	-1.386 (* Nondetect *)
Dec 16 1999	0.250 ppb	-1.386 (* Nondetect *)
Dec 17 1999	1.190 ppb	0.174

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND): 14

Minimum:	0.250 ppb	Ln Minimum:	-1.386
Maximum:	9.100 ppb	Ln Maximum:	2.208
Mean:	3.575 ppb	Ln Mean:	0.902
Std. Dev.:	2.488 ppb	Ln Std. Dev.:	1.078

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.250 ppb	-1.386 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.250 ppb	Ln Minimum:	-1.386
Maximum:	0.250 ppb	Ln Maximum:	-1.386
Mean:	0.250 ppb	Ln Mean:	-1.386
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.250 ppb	-1.386 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.250 ppb	Ln Minimum:	-1.386
Maximum:	0.250 ppb	Ln Maximum:	-1.386
Mean:	0.250 ppb	Ln Mean:	-1.386
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.250 ppb	-1.386 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.250 ppb	Ln Minimum:	-1.386
Maximum:	0.250 ppb	Ln Maximum:	-1.386
Mean:	0.250 ppb	Ln Mean:	-1.386
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.250 ppb	-1.386 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.250 ppb	Ln Minimum:	-1.386
Maximum:	0.250 ppb	Ln Maximum:	-1.386
Mean:	0.250 ppb	Ln Mean:	-1.386
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.250 ppb	-1.386 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.250 ppb	Ln Minimum:	-1.386
Maximum:	0.250 ppb	Ln Maximum:	-1.386
Mean:	0.250 ppb	Ln Mean:	-1.386
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.250 ppb	-1.386 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.250 ppb	Ln Minimum:	-1.386
Maximum:	0.250 ppb	Ln Maximum:	-1.386

Mean:	0.250 ppb	Ln Mean:	-1.386
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.250 ppb	-1.386 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.250 ppb	Ln Minimum:	-1.386
Maximum:	0.250 ppb	Ln Maximum:	-1.386
Mean:	0.250 ppb	Ln Mean:	-1.386
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.250 ppb	-1.386 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.250 ppb	Ln Minimum:	-1.386
Maximum:	0.250 ppb	Ln Maximum:	-1.386
Mean:	0.250 ppb	Ln Mean:	-1.386
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Normality Tests

Report Printed: 02-21-2002 18:17

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:TClFlMe Trichlorofluoromethane

CAS Number: 75-69-4

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.500 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Normality Test on Observations for wells listed below:

Well:16C1 Position:Upgradient Observations:21

Scale	Minimum	Maximum	Mean	Std Dev
Original:	0.250	9.100	3.575	2.488
Log:	-1.386	2.208	0.902	1.078

Pooled Statistics

Observations: 21

Statistic	Original Scale	Log Scale
Mean:	3.575	0.902
Std Dev:	2.488	1.078
Skewness:	0.668	-1.200*
Kurtosis:	-0.232	0.502
Minimum:	0.250	-1.386
Maximum:	9.100	2.208
CV:	0.696	1.195

Shapiro-Wilk Statistics

Test	5% Critical	1% Critical
Scale Statistic	Value	Value
Original:	0.9365	0.9080
		0.8730

Log: 0.8302* 0.9080 0.8730

* Indicates statistically significant evidence of non-normality.
GRIT/STAT Version 5.0

Parametric Prediction Interval
Report Printed February 21,2002

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Facility:Haz. Waste Unit 16 - RAAP
Parameter:Trichlorofluoromethane(CAS Number:75-69-4)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Shapiro-Wilk (W): 0.9365
Critical W, $\alpha=0.01$: 0.8730
Mean: 3.575 ppb
Std Dev: 2.488 ppb
DF: 20
Conf. Level (1- α): 0.9500
Future Samples (k): 1
 $t \left[\begin{matrix} 1 - \alpha \\ - \\ k \end{matrix} \right]$: 1.7247
Kappa: 1.7653
UL: 7.967 ppb
LL: $-\infty$

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.500 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.500 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.500 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.500 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.500 ppb

Parametric Prediction Interval
Report Printed February 21,2002

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Facility:Haz. Waste Unit 16 - RAAP
Parameter:Trichlorofluoromethane(CAS Number:75-69-4)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Shapiro-Wilk (W): 0.9365
Critical W, $\alpha=0.01$: 0.8730
Mean: 3.575 ppb
Std Dev: 2.488 ppb
DF: 20
Conf. Level (1- α): 0.9500
Future Samples (k): 1
 $t \left[\begin{array}{c} 1 - \alpha \\ - \\ k \end{array} \right]$: 1.7247
Kappa: 1.7653
UL: 7.967 ppb
LL: $-\infty$

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.500 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.500 ppb

Well:16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.500 ppb

Data Set Summary

Report Printed: 02-21-2002 18:25

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:
Phone:() -

Permit Type:Background

Constituent:Toluen Toluene

CAS Number: 108-88-3
MCL: 0.000 ppb
ACL: 0.000 ppb
Detect Limit: 0.100 ppb

Start Date:Mar 31 1996
End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Mar 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Feb 26 1998	0.050 ppb	-2.996 (* Nondetect *)
Apr 30 1998	0.050 ppb	-2.996 (* Nondetect *)
Aug 04 1998	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1998	0.050 ppb	-2.996 (* Nondetect *)
Mar 17 1999	0.200 ppb	-1.609
Jun 04 1999	0.050 ppb	-2.996 (* Nondetect *)
Jul 26 1999	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 13 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 14 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 15 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 16 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND): 95

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.200 ppb	Ln Maximum:	-1.609
Mean:	0.057 ppb	Ln Mean:	-2.930
Std. Dev.:	0.033 ppb	Ln Std. Dev.:	0.303

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996

Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Nonparametric Prediction Interval
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Facility: Haz. Waste Unit 16 - RAAP
Parameter: Toluene (CAS Number: 108-88-3)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 0.200 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well: 16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Nonparametric Prediction Interval
Report Printed February 21, 2002

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Facility: Haz. Waste Unit 16 - RAAP
Parameter: Toluene (CAS Number: 108-88-3)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 0.200 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well: 16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Data Set Summary

Report Printed: 02-21-2002 18:27

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:VC Vinyl chloride

CAS Number: 75-01-4

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.100 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1996	0.100 ppb	-2.303
Mar 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Feb 26 1998	0.050 ppb	-2.996 (* Nondetect *)
Apr 30 1998	0.050 ppb	-2.996 (* Nondetect *)
Aug 04 1998	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1998	0.050 ppb	-2.996 (* Nondetect *)
Mar 17 1999	0.050 ppb	-2.996 (* Nondetect *)
Jun 04 1999	0.050 ppb	-2.996 (* Nondetect *)
Jul 26 1999	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 13 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 14 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 15 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 16 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND): 95

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.100 ppb	Ln Maximum:	-2.303
Mean:	0.052 ppb	Ln Mean:	-2.963
Std. Dev.:	0.011 ppb	Ln Std. Dev.:	0.151

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996

Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Nonparametric Prediction Interval

Report Printed February 21, 2002

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Facility: Haz. Waste Unit 16 - RAAP
Parameter: Vinyl chloride (CAS Number: 75-01-4)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 0.100 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well: 16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Nonparametric Prediction Interval
Report Printed February 21,2002

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Facility:Haz. Waste Unit 16 - RAAP
Parameter:Vinyl chloride(CAS Number:75-01-4)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 0.100 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Data Set Summary

Report Printed: 02-21-2002 18:30

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:
Phone:() -

Permit Type:Background

Constituent:Xylene Xylene

CAS Number: 1330-20-7

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 0.100 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1996	0.200 ppb	-1.609
Sep 30 1996	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1996	0.050 ppb	-2.996 (* Nondetect *)
Mar 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Jun 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Sep 30 1997	0.050 ppb	-2.996 (* Nondetect *)
Dec 31 1997	0.050 ppb	-2.996 (* Nondetect *)
Feb 26 1998	0.050 ppb	-2.996 (* Nondetect *)
Apr 30 1998	0.050 ppb	-2.996 (* Nondetect *)
Aug 04 1998	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1998	0.050 ppb	-2.996 (* Nondetect *)
Mar 17 1999	1.400 ppb	0.336
Jun 04 1999	0.050 ppb	-2.996 (* Nondetect *)
Jul 26 1999	0.050 ppb	-2.996 (* Nondetect *)
Nov 09 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 13 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 14 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 15 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 16 1999	0.050 ppb	-2.996 (* Nondetect *)
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND): 90

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	1.400 ppb	Ln Maximum:	0.336
Mean:	0.121 ppb	Ln Mean:	-2.771
Std. Dev.:	0.295 ppb	Ln Std. Dev.:	0.773

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996

Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	0.050 ppb	-2.996 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	0.050 ppb	Ln Minimum:	-2.996
Maximum:	0.050 ppb	Ln Maximum:	-2.996
Mean:	0.050 ppb	Ln Mean:	-2.996
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Nonparametric Prediction Interval

Report Printed February 21, 2002

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Facility: Haz. Waste Unit 16 - RAAP
Parameter: Xylene (CAS Number: 1330-20-7)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 1.400 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well: 16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Well: 16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Nonparametric Prediction Interval

Report Printed February 21, 2002

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Facility: Haz. Waste Unit 16 - RAAP
Parameter: Xylene (CAS Number: 1330-20-7)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 1.400 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well: 16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<0.100 ppb

Data Set Summary

Report Printed: 02-21-2002 18:05

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:Cyanid Cyanide

CAS Number: 143-33-9

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 10.000 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	5.000 ppb	1.609 (* Nondetect *)
Jun 30 1996	5.000 ppb	1.609 (* Nondetect *)
Sep 30 1996	5.000 ppb	1.609 (* Nondetect *)
Dec 31 1996	5.000 ppb	1.609 (* Nondetect *)
Mar 31 1997	5.000 ppb	1.609 (* Nondetect *)
Jun 30 1997	5.000 ppb	1.609 (* Nondetect *)
Sep 30 1997	5.000 ppb	1.609 (* Nondetect *)
Dec 31 1997	5.000 ppb	1.609 (* Nondetect *)
Feb 26 1998	5.000 ppb	1.609 (* Nondetect *)
Apr 30 1998	5.000 ppb	1.609 (* Nondetect *)
Aug 04 1998	5.000 ppb	1.609 (* Nondetect *)
Nov 09 1998	5.000 ppb	1.609 (* Nondetect *)
Mar 17 1999	5.000 ppb	1.609 (* Nondetect *)
Jun 04 1999	5.000 ppb	1.609 (* Nondetect *)
Jul 26 1999	5.000 ppb	1.609 (* Nondetect *)
Nov 09 1999	5.000 ppb	1.609 (* Nondetect *)
Dec 13 1999	5.000 ppb	1.609 (* Nondetect *)
Dec 14 1999	5.000 ppb	1.609 (* Nondetect *)
Dec 15 1999	5.000 ppb	1.609 (* Nondetect *)
Dec 16 1999	5.000 ppb	1.609 (* Nondetect *)
Dec 17 1999	5.000 ppb	1.609 (* Nondetect *)

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND):100

Minimum:	5.000 ppb	Ln Minimum:	1.609
Maximum:	5.000 ppb	Ln Maximum:	1.609
Mean:	5.000 ppb	Ln Mean:	1.609
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	5.000 ppb	1.609 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	5.000 ppb	Ln Minimum:	1.609
Maximum:	5.000 ppb	Ln Maximum:	1.609
Mean:	5.000 ppb	Ln Mean:	1.609
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	5.000 ppb	1.609 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	5.000 ppb	Ln Minimum:	1.609
Maximum:	5.000 ppb	Ln Maximum:	1.609
Mean:	5.000 ppb	Ln Mean:	1.609
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	5.000 ppb	1.609 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	5.000 ppb	Ln Minimum:	1.609
Maximum:	5.000 ppb	Ln Maximum:	1.609
Mean:	5.000 ppb	Ln Mean:	1.609
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	5.000 ppb	1.609 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	5.000 ppb	Ln Minimum:	1.609
Maximum:	5.000 ppb	Ln Maximum:	1.609
Mean:	5.000 ppb	Ln Mean:	1.609
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	5.000 ppb	1.609 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	5.000 ppb	Ln Minimum:	1.609
Maximum:	5.000 ppb	Ln Maximum:	1.609
Mean:	5.000 ppb	Ln Mean:	1.609
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	5.000 ppb	1.609 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	5.000 ppb	Ln Minimum:	1.609
Maximum:	5.000 ppb	Ln Maximum:	1.609

Mean:	5.000 ppb	Ln Mean:	1.609
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	5.000 ppb	1.609 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	5.000 ppb	Ln Minimum:	1.609
Maximum:	5.000 ppb	Ln Maximum:	1.609
Mean:	5.000 ppb	Ln Mean:	1.609
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	5.000 ppb	1.609 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	5.000 ppb	Ln Minimum:	1.609
Maximum:	5.000 ppb	Ln Maximum:	1.609
Mean:	5.000 ppb	Ln Mean:	1.609
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Data Set Summary

Report Printed: 02-21-2002 18:19

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:TOC Total Organic Carbon

CAS Number: - -

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 1000.000 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	7000.000 ppb	8.854
Jun 30 1996	500.000 ppb	6.215 (* Nondetect *)
Sep 30 1996	500.000 ppb	6.215 (* Nondetect *)
Dec 31 1996	3000.000 ppb	8.006
Mar 31 1997	500.000 ppb	6.215 (* Nondetect *)
Jun 30 1997	500.000 ppb	6.215 (* Nondetect *)
Sep 30 1997	500.000 ppb	6.215 (* Nondetect *)
Dec 31 1997	500.000 ppb	6.215 (* Nondetect *)
Feb 26 1998	500.000 ppb	6.215 (* Nondetect *)
Apr 30 1998	1000.000 ppb	6.908
Aug 04 1998	500.000 ppb	6.215 (* Nondetect *)
Nov 09 1998	500.000 ppb	6.215 (* Nondetect *)
Mar 17 1999	478750.000 ppb	13.079
Jun 04 1999	500.000 ppb	6.215 (* Nondetect *)
Jul 26 1999	500.000 ppb	6.215 (* Nondetect *)
Nov 09 1999	500.000 ppb	6.215 (* Nondetect *)
Dec 13 1999	500.000 ppb	6.215 (* Nondetect *)
Dec 14 1999	500.000 ppb	6.215 (* Nondetect *)
Dec 15 1999	500.000 ppb	6.215 (* Nondetect *)
Dec 16 1999	500.000 ppb	6.215 (* Nondetect *)
Dec 17 1999	500.000 ppb	6.215 (* Nondetect *)

Well ID:16C1

Summary Statistics

Observations (N): 21
Nondetects (%ND): 81

Minimum:	500.000 ppb	Ln Minimum:	6.215
Maximum:	478750.000 ppb	Ln Maximum:	13.079
Mean:	23726.191 ppb	Ln Mean:	6.785
Std. Dev.:	104269.664 ppb	Ln Std. Dev.:	1.596

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	500.000 ppb	6.215 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	500.000 ppb	Ln Minimum:	6.215
Maximum:	500.000 ppb	Ln Maximum:	6.215
Mean:	500.000 ppb	Ln Mean:	6.215
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	500.000 ppb	6.215 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	500.000 ppb	Ln Minimum:	6.215
Maximum:	500.000 ppb	Ln Maximum:	6.215
Mean:	500.000 ppb	Ln Mean:	6.215
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	500.000 ppb	6.215 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	500.000 ppb	Ln Minimum:	6.215
Maximum:	500.000 ppb	Ln Maximum:	6.215
Mean:	500.000 ppb	Ln Mean:	6.215
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	500.000 ppb	6.215 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	500.000 ppb	Ln Minimum:	6.215
Maximum:	500.000 ppb	Ln Maximum:	6.215
Mean:	500.000 ppb	Ln Mean:	6.215
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	500.000 ppb	6.215 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	500.000 ppb	Ln Minimum:	6.215
Maximum:	500.000 ppb	Ln Maximum:	6.215
Mean:	500.000 ppb	Ln Mean:	6.215
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	500.000 ppb	6.215 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	500.000 ppb	Ln Minimum:	6.215
Maximum:	500.000 ppb	Ln Maximum:	6.215

Mean:	500.000 ppb	Ln Mean:	6.215
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	500.000 ppb	6.215 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	500.000 ppb	Ln Minimum:	6.215
Maximum:	500.000 ppb	Ln Maximum:	6.215
Mean:	500.000 ppb	Ln Mean:	6.215
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	500.000 ppb	6.215 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	500.000 ppb	Ln Minimum:	6.215
Maximum:	500.000 ppb	Ln Maximum:	6.215
Mean:	500.000 ppb	Ln Mean:	6.215
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Nonparametric Prediction Interval
Report Printed February 21,2002

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Facility:Haz. Waste Unit 16 - RAAP
Parameter:Total Organic Carbon(CAS Number:- -)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 478750.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1000.000 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1000.000 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1000.000 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1000.000 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1000.000 ppb

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1000.000 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1000.000 ppb

Nonparametric Prediction Interval
Report Printed February 21,2002

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Facility:Haz. Waste Unit 16 - RAAP
Parameter:Total Organic Carbon(CAS Number:- -)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 478750.000 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<1000.000 ppb

Data Set Summary

Report Printed: 02-21-2002 18:20

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone: () -

Permit Type:Background

Constituent:TOX Total Organic Halogens, Halides

CAS Number: - -

MCL: 0.000 ppb

ACL: 0.000 ppb

Detect Limit: 5.000 ppb

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1996	11.500 ppb	2.442
Jun 30 1996	11.750 ppb	2.464
Sep 30 1996	16.000 ppb	2.773
Dec 31 1996	32.500 ppb	3.481
Mar 31 1997	12.750 ppb	2.546
Jun 30 1997	16.250 ppb	2.788
Sep 30 1997	25.500 ppb	3.239
Dec 31 1997	11.750 ppb	2.464
Feb 26 1998	29.500 ppb	3.384
Apr 30 1998	2.500 ppb	0.916 (* Nondetect *)
Aug 04 1998	2.500 ppb	0.916 (* Nondetect *)
Nov 09 1998	14.500 ppb	2.674
Mar 17 1999	2.500 ppb	0.916 (* Nondetect *)
Jun 04 1999	8.000 ppb	2.079
Jul 26 1999	2.500 ppb	0.916 (* Nondetect *)
Nov 09 1999	21.000 ppb	3.045
Dec 13 1999	9.500 ppb	2.251
Dec 14 1999	2.500 ppb	0.916 (* Nondetect *)
Dec 15 1999	2.500 ppb	0.916 (* Nondetect *)
Dec 16 1999	2.500 ppb	0.916 (* Nondetect *)
Dec 17 1999	21.700 ppb	3.077

Well ID:16C1 Summary Statistics

Observations (N): 21
Nondetects (%ND): 33

Minimum:	2.500 ppb	Ln Minimum:	0.916
Maximum:	32.500 ppb	Ln Maximum:	3.481
Mean:	12.367 ppb	Ln Mean:	2.149
Std. Dev.:	9.424 ppb	Ln Std. Dev.:	0.957

Well ID:16-1

Sample Date	Observation	Ln
Dec 17 1999	2.500 ppb	0.916 (* Nondetect *)

Well ID:16-1 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.500 ppb	Ln Minimum:	0.916
Maximum:	2.500 ppb	Ln Maximum:	0.916
Mean:	2.500 ppb	Ln Mean:	0.916
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	2.500 ppb	0.916 (* Nondetect *)

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.500 ppb	Ln Minimum:	0.916
Maximum:	2.500 ppb	Ln Maximum:	0.916
Mean:	2.500 ppb	Ln Mean:	0.916
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	2.500 ppb	0.916 (* Nondetect *)

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.500 ppb	Ln Minimum:	0.916
Maximum:	2.500 ppb	Ln Maximum:	0.916
Mean:	2.500 ppb	Ln Mean:	0.916
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	2.500 ppb	0.916 (* Nondetect *)

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.500 ppb	Ln Minimum:	0.916
Maximum:	2.500 ppb	Ln Maximum:	0.916
Mean:	2.500 ppb	Ln Mean:	0.916
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	2.500 ppb	0.916 (* Nondetect *)

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.500 ppb	Ln Minimum:	0.916
Maximum:	2.500 ppb	Ln Maximum:	0.916
Mean:	2.500 ppb	Ln Mean:	0.916
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	2.500 ppb	0.916 (* Nondetect *)

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.500 ppb	Ln Minimum:	0.916
Maximum:	2.500 ppb	Ln Maximum:	0.916

Mean: 2.500 ppb
Std. Dev.: 0.000 ppb

Ln Mean: 0.916
Ln Std. Dev.: 0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	2.500 ppb	0.916 (* Nondetect *)

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.500 ppb	Ln Minimum:	0.916
Maximum:	2.500 ppb	Ln Maximum:	0.916
Mean:	2.500 ppb	Ln Mean:	0.916
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	2.500 ppb	0.916 (* Nondetect *)

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND):100

Minimum:	2.500 ppb	Ln Minimum:	0.916
Maximum:	2.500 ppb	Ln Maximum:	0.916
Mean:	2.500 ppb	Ln Mean:	0.916
Std. Dev.:	0.000 ppb	Ln Std. Dev.:	0.000

Normality Tests

Report Printed: 02-21-2002 18:20

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:
Phone:() -

Permit Type:Background

Constituent:TOX Total Organic Halogens, Halides

CAS Number: - -
MCL: 0.000 ppb
ACL: 0.000 ppb
Detect Limit: 5.000 ppb

Start Date:Mar 31 1996
End Date:Dec 17 1999

Normality Test on Observations for wells listed below:

Well:16C1 Position:Upgradient Observations:21

Scale	Minimum	Maximum	Mean	Std Dev
Original:	2.500	32.500	12.367	9.424
Log:	0.916	3.481	2.149	0.957

Pooled Statistics

Observations: 21

Statistic	Original Scale	Log Scale
Mean:	12.367	2.149
Std Dev:	9.424	0.957
Skewness:	0.624	-0.306
Kurtosis:	-0.600	-1.443
Minimum:	2.500	0.916
Maximum:	32.500	3.481
CV:	0.762	0.445

Shapiro-Wilk Statistics

	Test Scale Statistic	5% Critical Value	1% Critical Value
Original:	0.8934*	0.9080	0.8730

Log: 0.8438* 0.9080 0.8730

* Indicates statistically significant evidence of non-normality.
GRIT/STAT Version 5.0

Nonparametric Prediction Interval
Report Printed February 21,2002

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Facility:Haz. Waste Unit 16 - RAAP
Parameter:Total Organic Halogens, Halides(CAS Number:- -)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 32.500 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-1

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<5.000 ppb

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<5.000 ppb

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<5.000 ppb

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<5.000 ppb

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<5.000 ppb

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<5.000 ppb

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<5.000 ppb

Nonparametric Prediction Interval
Report Printed February 21, 2002

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Facility: Haz. Waste Unit 16 - RAAP
Parameter: Total Organic Halogens, Halides (CAS Number: - -)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 21
Conf. Level (1- α): 95.450%

UL: 32.500 ppb
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well: 16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	ND<5.000 ppb

Data Set Summary

Report Printed: 02-21-2002 18:01

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:Cond F Specific Conductivity, Field

CAS Number: - -

MCL: 0.000 umhos/cm

ACL: 0.000 umhos/cm

Detect Limit: 0.000 umhos/cm

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1997	570.000 umhos/cm	6.346
Jun 30 1997	555.000 umhos/cm	6.319
Sep 30 1997	600.000 umhos/cm	6.397
Dec 31 1997	595.000 umhos/cm	6.389
Feb 26 1998	613.000 umhos/cm	6.418
Apr 30 1998	533.000 umhos/cm	6.279
Aug 04 1998	530.000 umhos/cm	6.273
Nov 09 1998	533.000 umhos/cm	6.279
Mar 17 1999	490.000 umhos/cm	6.194
Jun 04 1999	6610.000 umhos/cm	8.796
Jul 26 1999	544.000 umhos/cm	6.299
Nov 09 1999	741.000 umhos/cm	6.608
Dec 13 1999	558.000 umhos/cm	6.324
Dec 14 1999	650.000 umhos/cm	6.477
Dec 15 1999	696.000 umhos/cm	6.545
Dec 16 1999	610.000 umhos/cm	6.413
Dec 17 1999	658.000 umhos/cm	6.489

Well ID:16C1 Summary Statistics

Observations (N): 17

Nondetects (%ND): 0

Minimum:	490.000 umhos/cm	Ln Minimum:	6.194
Maximum:	6610.000 umhos/cm	Ln Maximum:	8.796
Mean:	946.235 umhos/cm	Ln Mean:	6.520
Std. Dev.:	1460.976 umhos/cm	Ln Std. Dev.:	0.596

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	521.000 umhos/cm	6.256

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	521.000 umhos/cm	Ln Minimum:	6.256
Maximum:	521.000 umhos/cm	Ln Maximum:	6.256
Mean:	521.000 umhos/cm	Ln Mean:	6.256
Std. Dev.:	0.000 umhos/cm	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	224.000 umhos/cm	5.412

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	224.000 umhos/cm	Ln Minimum:	5.412
Maximum:	224.000 umhos/cm	Ln Maximum:	5.412
Mean:	224.000 umhos/cm	Ln Mean:	5.412
Std. Dev.:	0.000 umhos/cm	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	484.000 umhos/cm	6.182

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	484.000 umhos/cm	Ln Minimum:	6.182
Maximum:	484.000 umhos/cm	Ln Maximum:	6.182
Mean:	484.000 umhos/cm	Ln Mean:	6.182

Std. Dev.: 0.000 umhos/cm Ln Std. Dev.: 0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	685.000 umhos/cm	6.529

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	685.000 umhos/cm	Ln Minimum:	6.529
Maximum:	685.000 umhos/cm	Ln Maximum:	6.529
Mean:	685.000 umhos/cm	Ln Mean:	6.529
Std. Dev.:	0.000 umhos/cm	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	503.000 umhos/cm	6.221

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	503.000 umhos/cm	Ln Minimum:	6.221
Maximum:	503.000 umhos/cm	Ln Maximum:	6.221
Mean:	503.000 umhos/cm	Ln Mean:	6.221
Std. Dev.:	0.000 umhos/cm	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	668.000 umhos/cm	6.504

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	668.000 umhos/cm	Ln Minimum:	6.504
Maximum:	668.000 umhos/cm	Ln Maximum:	6.504
Mean:	668.000 umhos/cm	Ln Mean:	6.504
Std. Dev.:	0.000 umhos/cm	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	325.000 umhos/cm	5.784

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	325.000 umhos/cm	Ln Minimum:	5.784
Maximum:	325.000 umhos/cm	Ln Maximum:	5.784
Mean:	325.000 umhos/cm	Ln Mean:	5.784
Std. Dev.:	0.000 umhos/cm	Ln Std. Dev.:	0.000

Normality Tests

Report Printed: 02-21-2002 18:01

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:
Phone:() -

Permit Type:Background

Constituent:Cond F Specific Conductivity, Field

CAS Number: - -
MCL: 0.000 umhos/cm
ACL: 0.000 umhos/cm
Detect Limit: 0.000 umhos/cm

Start Date:Mar 31 1996
End Date:Dec 17 1999

Normality Test on Observations for wells listed below:

Well:16C1 Position:Upgradient Observations:17

Scale	Minimum	Maximum	Mean	Std Dev
Original:	490.000	6610.000	946.235	1460.976
Log:	6.194	8.796	6.520	0.596

Pooled Statistics

Observations: 17

Statistic	Original Scale	Log Scale
Mean:	946.235	6.520
Std Dev:	1460.976	0.596
Skewness:	3.737*	3.548*
Kurtosis:	12.003	11.112
Minimum:	490.000	6.194
Maximum:	6610.000	8.796
CV:	1.544	0.091

Shapiro-Wilk Statistics

	Test Scale Statistic	5% Critical Value	1% Critical Value
Original:	0.3004*	0.8920	0.8510

Log: 0.4269* 0.8920 0.8510

* Indicates statistically significant evidence of non-normality.
GRIT/STAT Version 5.0

Nonparametric Prediction Interval

Report Printed February 21,2002

Page 1

Facility:Haz. Waste Unit 16 - RAAP
Parameter:Specific Conductivity, Field(CAS Number:- -)

ONE-TAILED UPPER PARAMETRIC PREDICTION INTERVAL

Observations (n): 17
Conf. Level (1- α): 94.440%

UL: 6610.000 umhos/cm
LL: 0.000

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	521.000 umhos/cm

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	224.000 umhos/cm

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	484.000 umhos/cm

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	685.000 umhos/cm

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	503.000 umhos/cm

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	668.000 umhos/cm

Well:16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	325.000 umhos/cm

Report Produced by GRITS/STAT 5.01

Data Set Summary

Report Printed: 02-21-2002 18:01

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:pH F pH, Field

CAS Number: - -

MCL: 0.000 SU

ACL: 0.000 SU

Detect Limit: 0.000 SU

Start Date:Mar 31 1996

End Date:Dec 17 1999

Well ID:16C1

Sample Date	Observation	Ln
Mar 31 1997	6.700 SU	1.902
Jun 30 1997	6.600 SU	1.887
Sep 30 1997	7.100 SU	1.960
Dec 31 1997	7.100 SU	1.960
Feb 26 1998	7.000 SU	1.946
Apr 30 1998	6.200 SU	1.825
Aug 04 1998	6.700 SU	1.902
Nov 09 1998	6.800 SU	1.917
Mar 17 1999	8.280 SU	2.114
Jun 04 1999	6.940 SU	1.937
Jul 26 1999	6.770 SU	1.913
Nov 09 1999	6.940 SU	1.937
Dec 13 1999	6.810 SU	1.918
Dec 14 1999	6.560 SU	1.881
Dec 15 1999	6.620 SU	1.890
Dec 16 1999	6.330 SU	1.845
Dec 17 1999	6.910 SU	1.933

Well ID:16C1 Summary Statistics

Observations (N): 17

Nondetects (%ND): 0

Minimum:	6.200 SU	Ln Minimum:	1.825
Maximum:	8.280 SU	Ln Maximum:	2.114
Mean:	6.845 SU	Ln Mean:	1.922
Std. Dev.:	0.444 SU	Ln Std. Dev.:	0.062

Well ID:16-2

Sample Date	Observation	Ln
Dec 17 1999	7.280 SU	1.985

Well ID:16-2 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	7.280 SU	Ln Minimum:	1.985
Maximum:	7.280 SU	Ln Maximum:	1.985
Mean:	7.280 SU	Ln Mean:	1.985
Std. Dev.:	0.000 SU	Ln Std. Dev.:	0.000

Well ID:16-3

Sample Date	Observation	Ln
Dec 17 1999	8.470 SU	2.137

Well ID:16-3 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	8.470 SU	Ln Minimum:	2.137
Maximum:	8.470 SU	Ln Maximum:	2.137
Mean:	8.470 SU	Ln Mean:	2.137
Std. Dev.:	0.000 SU	Ln Std. Dev.:	0.000

Well ID:16-5

Sample Date	Observation	Ln
Dec 17 1999	7.650 SU	2.035

Well ID:16-5 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	7.650 SU	Ln Minimum:	2.035
Maximum:	7.650 SU	Ln Maximum:	2.035
Mean:	7.650 SU	Ln Mean:	2.035

Std. Dev.: 0.000 SU

Ln Std. Dev.: 0.000

Well ID:16MW9

Sample Date	Observation	Ln
Dec 17 1999	6.980 SU	1.943

Well ID:16MW9 Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	6.980 SU	Ln Minimum:	1.943
Maximum:	6.980 SU	Ln Maximum:	1.943
Mean:	6.980 SU	Ln Mean:	1.943
Std. Dev.:	0.000 SU	Ln Std. Dev.:	0.000

Well ID:16SPRING

Sample Date	Observation	Ln
Dec 17 1999	6.560 SU	1.881

Well ID:16SPRING Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	6.560 SU	Ln Minimum:	1.881
Maximum:	6.560 SU	Ln Maximum:	1.881
Mean:	6.560 SU	Ln Mean:	1.881
Std. Dev.:	0.000 SU	Ln Std. Dev.:	0.000

Well ID:16WC1A

Sample Date	Observation	Ln
Dec 17 1999	6.840 SU	1.923

Well ID:16WC1A Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	6.840 SU	Ln Minimum:	1.923
Maximum:	6.840 SU	Ln Maximum:	1.923
Mean:	6.840 SU	Ln Mean:	1.923
Std. Dev.:	0.000 SU	Ln Std. Dev.:	0.000

Well ID:16WC2B

Sample Date	Observation	Ln
Dec 17 1999	7.170 SU	1.970

Well ID:16WC2B Summary Statistics

Observations (N): 1
Nondetects (%ND): 0

Minimum:	7.170 SU	Ln Minimum:	1.970
Maximum:	7.170 SU	Ln Maximum:	1.970
Mean:	7.170 SU	Ln Mean:	1.970
Std. Dev.:	0.000 SU	Ln Std. Dev.:	0.000

Normality Tests

Report Printed: 02-21-2002 18:01

Facility:RAAPHWMU16 Haz. Waste Unit 16 - RAAP

Address:

City:Radford
County:PULASKI

ST:VA Zip:24141

Contact:

Phone:() -

Permit Type:Background

Constituent:pH F pH, Field

CAS Number: - -

MCL: 0.000 SU

ACL: 0.000 SU

Detect Limit: 0.000 SU

Start Date:Mar 31 1996

End Date:Dec 17 1999

Normality Test on Observations for wells listed below:

Well:16C1 Position:Upgradient Observations:17

Scale	Minimum	Maximum	Mean	Std Dev
Original:	6.200	8.280	6.845	0.444
Log:	1.825	2.114	1.922	0.062

Pooled Statistics

Observations: 17

Statistic	Original Scale	Log Scale
Mean:	6.845	1.922
Std Dev:	0.444	0.062
Skewness:	1.862*	1.564*
Kurtosis:	4.679	3.826
Minimum:	6.200	1.825
Maximum:	8.280	2.114
CV:	0.065	0.032

Shapiro-Wilk Statistics

	Test Scale Statistic	5% Critical Value	1% Critical Value
Original:	0.8042*	0.8920	0.8510

Log: 0.8408* 0.8920 0.8510

* Indicates statistically significant evidence of non-normality.
GRIT/STAT Version 5.0

Nonparametric Prediction Interval

Report Printed February 21,2002

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Facility:Haz. Waste Unit 16 - RAAP
Parameter:pH, Field(CAS Number:- -)

TWO-TAILED PARAMETRIC PREDICTION INTERVAL

Observations (n): 17
Conf. Level (1- α): 88.890%

UL: 8.280 SU
LL: 6.200 SU

BACKGROUND TO COMPLIANCE WELL COMPARISON

Well:16-2

<u>Sample Date</u>	<u>Observation</u>
12/17/99	7.280 SU

Well:16-3

<u>Sample Date</u>	<u>Observation</u>
12/17/99	8.470 SU *

Well:16-5

<u>Sample Date</u>	<u>Observation</u>
12/17/99	7.650 SU

Well:16MW9

<u>Sample Date</u>	<u>Observation</u>
12/17/99	6.980 SU

Well:16SPRING

<u>Sample Date</u>	<u>Observation</u>
12/17/99	6.560 SU

Well:16WC1A

<u>Sample Date</u>	<u>Observation</u>
12/17/99	6.840 SU

Well:16WC2B

<u>Sample Date</u>	<u>Observation</u>
12/17/99	7.170 SU
