06.07.09/10/99-02337

MONITORING REPORT

OPERABLE UNIT NO. 2 - SITES 6 AND 82
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA

REPORTING PERIOD JANUARY 1999 – JUNE 1999

CONTRACT TASK ORDER 0367

Submission Date:

September 10, 1999

Prepared for:

DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES
ENGINEERING COMMAND
Norfolk, Virginia

Under the:

LANTDIV CLEAN Program
Contract N62470-89-D-4814

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TABLE OF CONTENTS

Page

MONITORING REPORT **1**
- Groundwater Elevation and Flow Direction 1
  - Surficial Aquifer 2
  - Deep Aquifer 2
- Field Observations 2

ANALYTICAL RESULTS AND FINDINGS **2**
- Shallow Aquifer 3
- Deep Aquifer 3

GROUNDWATER TREATMENT SYSTEM **4**
- Shallow Recovery Wells 4
- Deep Recovery Wells 5

RECOMMENDATIONS **5**
- Implemented Recommendations 6
  - Treatment of Purged Water 6
- Proposed Recommendations 6
  - Survey Coordinates 6
  - Treatment System Operation and Repair 6
  - Well Security and Aesthetics 6

REFERENCES **7**

LIST OF TABLES

1 Summary of Well Construction Details
2 Summary of Groundwater Field Parameters - January 1999
3 Summary of Groundwater Field Parameters - April 1999
4 Groundwater Sampling Summary
5 Summary of Water Level Measurements
6 Trip Blank Analytical Results - January 1999
7 Summary of Groundwater Analytical Results – January 1999
8 Positive Detections in Groundwater
9 Volatile Organics in Groundwater
10 Treatment System Sampling Results
11 Positive Detections from Recovery Wells – January 1999
12 Positive Detections from Recovery Wells – April 1999
13 Trip Blank Analytical Results – April 1999

LIST OF FIGURES

1 Monitoring Well Location Map
2 Treatment System Configuration
3 Groundwater Contour Map - Shallow Aquifer

LIST OF FIGURES
(Continued)

4	Groundwater Contour Map - Deep Aquifer
5	Volatile Organic Compounds Shallow Aquifer
6	Volatile Organic Contour Map - Shallow Aquifer - January 1999
7	Volatile Organic Compounds Deep Aquifer
8	VOC Contour Map - Deep Aquifer - January 1999
9	VOCs in Groundwater, Shallow Treatment System - April 1999
10	VOCs in Groundwater, Deep Treatment System - April 1999

LIST OF ATTACHMENTS

A	Chain-of-Custody Documentation
B	Monitoring Program Analytical Results
C	Analytical Laboratory Data Sheets
D	Monthly Remedial System Progress Reports

MONITORING REPORT

The monitoring report that follows presents a summary of sampling activities, field observations, analytical results, and significant findings pertaining to the monitoring program and groundwater treatment system at Operable Unit (OU) No. 2 (Sites 6 and 82), Marine Corps Base (MCB), Camp Lejeune, North Carolina. Conclusions and recommendations regarding the monitoring program and groundwater treatment system are also presented within this report.

Monitoring activities at OU 2 began in July 1997 and have continued on a quarterly basis. This report presents data obtained during the period from January 1999 through June 1999 and includes two sampling initiatives. The first quarter sampling initiative commenced January 15, 1999 and concluded January 18, 1999. The second quarter sampling initiative commenced and concluded on April 17, 1999. During the January 1999 sampling initiative, groundwater samples at Sites 6 and 82 were obtained from 12 shallow monitoring wells, 13 deep monitoring wells, and nine recovery wells. During the April sampling initiative, groundwater samples were obtained from the nine recovery wells only. Figures 1 and 2 depict the locations of all monitoring wells and recovery wells throughout Sites 6 and 82, respectively. [Note that all tables and figures are provided after the text portion of this report.]

Sampling activities were conducted and subsequent laboratory analyses were performed according to procedures and methods specified in the Long-Term Monitoring Work Plans for OU 2 (Baker, 1996). The project work plans identify a select number of monitoring wells at Sites 6 and 82 for which continued periodic sampling is required. Figures 1 and 2 identify monitoring wells included in the monitoring program and Table 1 provides construction details of these monitoring wells. In addition, all recovery wells associated with the groundwater treatment facility at Sites 6 and 82 are also sampled. As stipulated in the project work plans, measurements of pH, specific conductance, dissolved oxygen, temperature, and turbidity were recorded prior to groundwater sampling. Summaries of groundwater field parameters obtained during the two sampling initiatives are provided in Tables 2 and 3.

The monitoring program at Sites 6 and 82 was implemented to assess whether contamination detected during previous investigations remains present, has migrated, has degraded through natural processes, or has been eliminated through groundwater extraction. Based upon previous analytical results and decision documents, Target Compound List (TCL) Volatile Organic Compounds (VOC) were identified as contaminants of concern. Table 4 provides a summary of requested laboratory analyses, sample identifications, and program sampling frequency.

Sample information, including monitoring well number, sample identification, time and date of sample collection, samplers, and analytical parameters were recorded in a field logbook and on the sample labels. Chain-of-custody documentation, provided in Attachment A, accompanied the samples to the laboratory.

Groundwater Elevation and Flow Direction

The following provides information concerning groundwater flow patterns at Sites 6 and 82. Water level measurements were obtained on January 16, 1999 and are provided in Table 5. Groundwater elevations and groundwater flow patterns for both the surficial and deep aquifers are presented in the following sections.

Surficial Aquifer

Groundwater flow within the surficial aquifer is influenced by several factors including: a network of recovery wells where groundwater is actively being extracted from the central portion of Site 82; natural and man made topographic features, nearby drainages, and Wallace Creek, which borders the northern portion of Site 82. In general, the pattern of groundwater flow in the surficial aquifer mimics that of ground surface topography. Figure 3 depicts the groundwater flow within the surficial aquifer to be to the north-northwest toward Wallace Creek.

Deep Aquifer

As presented in Figure 4, groundwater in the deep aquifer (known as the Castle Hayne Aquifer) tends to flow inward toward a network of recovery wells located in the central and southern portions of Site 82. The recovery wells were constructed to remove groundwater from depths of 95 to 120 feet below ground surface. Contaminated groundwater is actively being extracted from the central portion of Site 82 via four deep recovery wells. Static water levels obtained from deep monitoring wells have demonstrated a significant alteration of the potentiometric surface in this portion of the study area. Based upon groundwater elevations obtained during the previous sampling events, it appears that the recovery wells continue to impact groundwater flow patterns in the deep aquifer. Active groundwater extraction appears to have caused the groundwater to move inward, toward the central portion of Site 82.

Field Observations

The following field observations were noted during the most recent quarterly sampling event at Sites 6 and 82. Recommendations concerning the field observations are presented later within this report.

Former monitoring well 6-GW16, situated between Storage Lots 201 and 203, was destroyed by base construction activities aimed at converting several acres into a staging and storage area. Because of this, no samples could be collected from 6-GW16 during the July 1998 sampling event. Upon completion of the construction project, monitoring well 6-GW16 was replaced. During the January 1999 sampling event, groundwater samples were once again obtained from 6-GW16.

The shallow recovery well 6-SRW06 was scheduled to be sampled in both sampling events in 1999. The recovery well remains inoperable pending completed repairs by OHM; therefore, 6-SRW06 was not sampled during either of these quarters.

While collecting the groundwater sample from deep recovery well 6-DRW02, Baker personnel noticed that the section of piping housing the flow meter was leaking. This leak has been noticed for several consecutive rounds and has substantially corroded the pipe. The deterioration is so severe that flakes of metal are peeling off and the section of pipe in question is significantly smaller in diameter than the adjacent section of pipe.

ANALYTICAL RESULTS AND FINDINGS

The section that follows presents analytical results and findings from monitoring well sampling performed at Sites 6 and 82 during the first calendar quarter of 1999. The analytical results from

the recovery wells for the first and second quarter sampling initiatives are discussed in the Groundwater Treatment System section of this report. A summary of all analytical results compiled during both sampling events are presented in Attachment B and corresponding laboratory data sheets are provided in Attachment C.

Two trip blanks samples, IR06-TB01-99A and IR06-TB02-99A, were prepared prior to the sampling event in January of 1999. The trip blanks accompanied all groundwater samples during field collection, shipment, and laboratory analysis. As provided in Table 6, there were no detections of any volatiles in either of the two trip blank samples sent in January.

Shallow Aquifer

A total of 10 VOCs were detected among the groundwater samples collected from the 12 shallow monitoring wells. As presented in Figure 5, eight of the shallow monitoring wells sampled contained detections of VOCs that exceeded either state or federal water quality criteria. A statistical summary of groundwater analytical results is provided in Table 7, and a positive detection summary of all analytical results is presented in Table 8. The VOCs that exceeded North Carolina Water Quality Standards (NCWQS) were chloroform and methylene chloride. The VOCs that exceeded both NCWQS and Federal Maximum Contaminant Levels (MCL) consisted of the following: 1,1,2-trichloroethane, cis-1,2-dichloroethene, tetrachloroethene, and trichloroethene. Table 9 provides historical data regarding VOC detections in each monitoring well.

Figure 6 presents a contour map illustrating the horizontal extent of VOC contamination in the shallow aquifer. The contaminant plume remains concentrated around monitoring well 6-GW34. However, VOC detections in monitoring wells 6-GW28 and 6-GW32 indicate that the plume is migrating westward toward Wallace Creek. Shallow recovery well 6-SRW06, located at the leading edge of the contaminant plume, has remain inoperable since the initiation of the LTM Program in July 1997. Recovery well 6-SRW06 must be brought on-line to prevent VOCs from reaching Wallace Creek.

Deep Aquifer

A total of ten VOCs were detected among the groundwater samples collected from the 13 deep monitoring wells. Each monitoring well contained VOC detections that exceeded at least one of the listed state or federal criteria as presented on Figure 7. A statistical summary of groundwater analytical results is provided in Table 7, and a positive detection summary of all analytical results is presented in Table 8. The following VOCs exceeded both NCWQS and Federal MCLs in at least one sampling point: 1,1-dichloroethene, 1,2-dichloroethane, benzene, cis-1,2-dichloroethene, tetrachloroethene, trans-1,2-dichloroethene, trichloroethene, and vinyl chloride. Table 9 provides historical data regarding VOC detections in each monitoring well.

Figure 8 presents the VOC contour map of the horizontal extent of the VOC contamination in the deep aquifer at Sites 6 and 82. Although the treatment system is actively distracting contaminated groundwater from the deep aquifer, the VOC plume has remained relatively stable during the previous monitoring periods.

The analytical data suggest that there is one area of VOC contamination in the shallow aquifer and one area of VOC contamination in the upper portion of the deep aquifer. As presented in Figures 5 through 8, contamination in the deep aquifer generally coincides with similar contaminants found above in the shallow aquifer.

GROUNDWATER TREATMENT SYSTEM

A groundwater extraction and treatment system, maintained by OHM, has been operating at OU 2 since January 1996. The system was designed to collect and treat contaminated groundwater from the central portion of Site 82 and to mitigate potential off-site contaminant migration. As depicted in Figure 2, the treatment system currently includes six shallow recovery wells (SRW01 through SRW06) and four deep recovery wells (DRW01 through DRW04). Contaminated groundwater extracted via the network of shallow and deep recovery wells is treated to applicable treatment criteria, used for backwash or other treatment plant needs, and finally discharged to Wallace Creek.

The eight major processes that comprise the treatment system include: groundwater feed storage and equalization; initial pH adjustment; solids and metals removal; final pH adjustment; solids filtration; air stripping; granular activated carbon adsorption; and treated effluent storage, reuse, and discharge. The following assessment of treatment system components is based on data provided by OHM. Monthly sampling results are summarized in Table 10 and monthly remedial system reports presented in Attachment D. Shallow recovery well SRW06 remained off-line throughout both evaluation periods. During the first calendar quarter of 1999, over 36 million gallons of contaminated groundwater were extracted and treated at OU 2. The treatment plant operated 1728.5 hours, or 80 percent of the 2,160 hours possible. Routine maintenance and repairs to the equipment accounted for the downtime during the quarter. During the second calendar quarter of 1999, over 34 million gallons of contaminated groundwater were extracted and treated at the facility. The treatment plant operated 2076 hours, or 95 percent of the 2,184 hours possible. Again, routine maintenance and repairs to the equipment accounted for the downtime during the quarter.

As presented in Table 10, influent to the plant during the first calendar quarter of 1999 contained the VOCs 1,2-dichloroethane, trans-1,2-dichloroethene, tetrachloroethene, trichloroethene, vinyl chloride, and ethylbenzene; the metals arsenic, barium, beryllium, chromium, iron, lead, manganese, mercury, and vanadium; dissolved solids; and suspended solids. In the second calendar quarter of 1999, influent contained the VOCs 1,2-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, 1,1,2,2-tetrachloroethane, tetrachloroethene, 1,1,2-trichloroethane, trichloroethene, vinyl chloride, and benzene; the metals arsenic, chromium, iron, and manganese, and dissolved solids. As effluent levels in Table 10 suggest, treatment has reduced the levels of VOCs and metals in the groundwater at Sites 6 and 82.

In addition to the influent and effluent analysis provided by OHM (Table 10), Baker personnel collect groundwater from each operative recovery well at Sites 6 and 82. Samples are collected from a sampling port situated on the system piping coming immediately out of the recovery well itself, such that analysis of the groundwater sampled provides a indication of water conditions before the water travels to the treatment plant. During each of the sampling initiatives, nine of the ten recovery wells were sampled for VOC analysis. Shallow recovery well SRW06 remains inoperable and thus could not be sampled.

Shallow Recovery Wells

Shallow recovery well SRW01 is located within the central portion of the shallow groundwater VOC plume, adjacent to monitoring well GW34. The remaining five shallow recovery wells are situated

along the leading, down-gradient edge of the shallow VOC plume (Figure 2). The five shallow recovery wells are positioned to limit contaminant migration and intercept the VOC plume as it presumably travels in the direction of groundwater flow.

Table 11 presents analytical results from the recovery wells sampled during January 1999. As discussed previously, no VOCs were detected in trip blanks in January 1999 (Table 6). Figure 5 presents positive VOC detections in the shallow aquifer in both recovery wells and monitoring wells. Figure 6 illustrates the VOC plume in the shallow aquifer at Sites 6 and 82. Groundwater from shallow recovery well SRW01 contained chloroform, methylene chloride, and trans-1,2-dichloroethene at concentrations exceeding NCWQS. Concentrations of 1,1,-trichloroethane, cis-1,2-dichloroethene, tetrachloroethene, and trichloroethene in well SRW01 exceeded both NCWQS and Federal MCLs. All of the remaining shallow recovery wells, with the exception of the inoperable SRW06, also contained VOCs at concentrations exceeding both NCWQS and Federal MCLs.

Table 12 presents analytical results from the recovery wells sampled during April 1999. One trip blank sample was prepared prior to the April sampling event. As provided in Table 13, methylene chloride was the only volatile detected at an estimated concentration of 1.0 micrograms per liter (µg/L) in trip blank sample IR06-TB01-99B. Methylene chloride is a common laboratory contaminant; therefore, recovery well samples with concentrations of methylene chloride less than ten times the amount detected in the trip blank (10µg/L) were considered non-detects. Figure 9 presents positive VOC detections in the shallow aquifer recovery wells in April 1999. All wells contained compounds detected in excess of state and federal water quality standards.

Deep Recovery Wells

The effect of active groundwater extraction from the deep aquifer is clearly evident in Figure 4. An area of lesser potentiometric elevation has been created at depths of 95 to 115 feet below ground surface, over an area of approximately 9 to 16 acres. The observed area of influence appears to include the most highly contaminated portion of the VOC plume in the deep aquifer (Figure 8), which suggests that contaminated groundwater in the deep aquifer is indeed being extracted.

Table 11 presents analytical results from the recovery wells sampled during January 1999. Figure 7 indicates VOC detections in both deep recovery wells and deep monitoring wells during the January sampling event. All deep recovery wells contained VOCs at concentrations exceeding both NCWQS and Federal MCLs (Figure 7). Contamination in the deep aquifer is centered around recovery well DRW01.

Table 12 and Figure 10 present analytical results from the recovery wells sampled during April 1999. As in January, VOCs were detected at concentrations exceeding both state and federal standards in all four deep recovery wells.

RECOMMENDATIONS

The observations and findings presented in this and previous reports form the basis upon which the following recommendations are provided. If non-significant changes are made to a component of the selected remedy described in the ROD (Baker, 1993), the changes must be recorded in a post-decision document file. If significant changes are made to a component of the selected remedy, the changes will need to be presented in an Explanation of Significant Differences document. The

sections that follow describe recommendations that recently have been implemented and recommendations that are proposed for future consideration.

Implemented Recommendations

Detailed information pertaining to the following implemented recommendations has been presented in previous monitoring reports. The final disposition of past recommendations is presented here to update information regarding the monitoring program. The intent of this report and future reports is to provide a thorough description of proposed recommendations and a brief listing of implemented actions.

Treatment of Purged Water

Although not previously recommended, due to the historically high contaminant concentrations in the deep aquifer, water that is purged from the deep wells during each sampling event is containerized and then transported to the nearby groundwater treatment plant. This prevents purged water from the deep aquifer from contaminating the surficial aquifer.

Proposed Recommendations

Based upon the observations and findings presented in this report, the following recommendations for the monitoring program at Site 6 and 82 are proposed.

Survey Coordinates

The two newly installed monitoring wells, 6-GW41 and 6-GW42, and the replacement monitoring well, 6-GW16, require an accurate geographic location at the site. It is recommended that both horizontal location and vertical elevation be established by a licensed surveyor. To minimize costs, this may be done in coordination with surveying activities associated with other upcoming field activities at MCB, Camp Lejeune.

Shallow recovery well 6-SRW06 has remained inoperable since the initiation of the LTM Program in July 1997. Present data indicate that VOC contamination in the shallow aquifer is migrating westward toward Wallace Creek. Contamination has recently been detected in monitoring well 6-GW32 for the first time. This well is located next to the inactive recovery well. Recovery 6-SRW06 must be brought on-line to prevent VOCs from reaching Wallace Creek.

Recovery Well Repair

OHM should be notified of the immediate need of replacing the leaking piping at 06-DRW02. The deterioration of the section of pipe in question is significant. With the large volume of water flowing though the pipe under great pressure, a rupture while an individual is near by is a serious safety concern.

Well Security and Aesthetics

During each sampling event monitoring wells are inspected for accessibility, integrity, aesthetics, and security. Maintenance may include, clearing of vegetation, replacing broken water tight caps,

painting of bollards, and replacing padlocks. Improvements are made to the monitoring wells on an "as needed" basis.

REFERENCES

Baker Environmental, Inc. (Baker). September 1993. Record of Decision for Operable Unit No. 2 (Sites 6, 9, and 82). Final. Prepared for the Navy Atlantic Division Naval Facilities Engineering Command, Norfolk, Virginia.

Baker Environmental, Inc. (Baker). December 1996. Long-Term Monitoring Work Plans for Remedial Investigation Sites. Prepared for the Navy Atlantic Division Naval Facilities Engineering Command, Norfolk, Virginia.

OHM. September 1999. Site 78 Treatment System Monthly Reports January 1999 through June 1999. (Personal correspondence).

TABLES

TABLE 1

SUMMARY OF WELL CONSTRUCTION DETAILS
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

Well No.	Date Installed	Top of Casing Elevation (feet, msl)	Ground Surface Elevation (feet, msl)	Boring Depth (feet, bgs)	Well Depth (feet, bgs)	Screen Interval Depth (feet, bgs)	Depth to Sand Pack (feet, bgs)	Depth to Bentonite (feet, bgs)	Stick-Up (feet, ags)
06-GW01	10/21/86	35.18	32.7	25	25	5 - 25	3	2	2.5
06-GW01D	11/7/92	35.31	32.8	117	113	102 - 111	99	96	2.5
06-GW01DA	4/3/93	35.23	32.7	230	230	220 - 230	215	190	2.5
06-GW01DB	9/10/93	NA	NA	263	262	247 - 262	240	234	2.5
06-GW02DW	11/7/92	37.61	35.1	122	122	108 - 118	105	101	2.5
06-GW03	10/24/86	31.32	28.8	26	25	5 - 25	3	2	2.5
06-MW03D	3/31/93	35.18	34.2	202	118	97 - 117	94	89	1.0
06-GW15D	4/6/93	28.00	25.2	160	155	145 - 155	141	139	2.8
06-GW16	11/7/92	27.63	24.9	20	20	5-20	3	2	2.7
06-GW17	9/25/92	28.10	25.7	19	18	2 - 17	1	1	2.4
06-GW21	9/24/92	30.30	27.9	24	23	8 - 22	6	4	2.4
06-GW27DW	10/12/92	24.47	22.5	112	110	100 - 109	97	94	2.0
06-GW27DA	8/13/93	NA	NA	236	236	226 - 236	224	100	2.5
06-GW28	10/10/92	30.20	27.6	33	32	17 - 31	15	13	2.6
06-GW28DW	10/20/92	31.74	28.7	115	115	104 - 113	99	95	3.0
06-GW30	11/7/92	12.60	9.9	21	20	5 - 19	3	1	2.7
06-GW30DW	3/4/93	11.90	9.9	162	100	89 - 99	83	76	2.0
06-GW32	4/1/93	21.79	19.6	27	27	11 - 26	10	7	2.2
06-GW33	4/1/93	22.42	20.0	22	22	6 - 21	4	3	2.4
06-GW34	3/5/93	32.01	29.0	36	35	19 - 34	17	15	3.0
06-GW35D	3/7/93	14.29	12.0	201	105	95 - 105	90	87	2.3
06-GW36D	4/1/93	17.61	15.6	202	95	75 - 95	66	62	2.0
06-GW37D	4/1/93	15.96	14.0	112	95	75 - 95	73	70	2.0
06-GW38D	8/28/93	NA	NA	277	275	255 - 275	253	248	2.5
06-GW40DW	12/6/94	NA	NA	120	116	100 - 115	92	87	2.5
06-GW40DWA	12/4/94	NA	NA	250	246	230 - 245	225	198	2.5

TABLE 1 (Continued)

SUMMARY OF WELL CONSTRUCTION DETAILS
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

Well No.	Date Installed	Top of Casing Elevation (feet, msl)	Ground Surface Elevation (feet, msl)	Boring Depth (feet, bgs)	Well Depth (feet, bgs)	Screen Interval Depth (feet, bgs)	Depth to Sand Pack (feet, bgs)	Depth to Bentonite (feet, bgs)	Stick-Up (feet, ags)
06-GW41	11/16/98	NA	NA	23	23	8 - 23	6	4	1.5
06-GW42	11/16/98	NA	NA	32	32	17 - 32	15	13	2.5
82-MW02	6/17/91	6.28	3.7	13	13	3 - 13	2	2	2.6
82-MW03	6/18/91	24.57	22.0	22	21	11 - 21	9	7	2.6

Notes:

ags = above ground surface
bgs = below ground surface
msl = mean sea level
NA = Data not available

TABLE 2

SUMMARY OF GROUNDWATER FIELD PARAMETERS
JANUARY 1999
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

Well Number / Sample Date	Measuring Time	Well Volumes	Field Parameters				
			Temperature (°C)	pH (S.U.)	Specific Conductance (umhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (N.T.U.)
06-GW01 01/15/99	0932	1.0	18.8	5.90	229	1.7	1.0
	0938	2.0	18.9	6.00	209	1.9	22
	0942	3.0	18.3	6.00	183	1.9	3.0
	0947	4.0	19.0	5.90	180	1.9	0.0
	0953	5.0	18.9	6.00	179	2.6	0.0
06-GW01D 01/16/99	0825	1.0	16.8	7.17	402	NA	4.0
	0852	2.0	17.6	7.10	387	NA	3.7
	0920	3.0	17.5	7.34	386	NA	4.1
06-GW01DA 01/15/99	1412	1.0	18.7	7.99	417	0.8	0.0
	1451	2.0	18.4	7.83	408	1.0	0.0
	1530	3.0	18.4	7.97	408	1.2	0.0
06-GW01DB 01/15/99	1138	0.5	17.8	8.75	950	1.2	0.0
	1155	2.0	19.8	8.79	990	0.8	0.0
	1217	3.0	19.6	8.88	950	0.9	0.0
06-GW03 01/16/99	1453	1.0	19.6	5.19	256	NA	4.4
	1500	2.0	19.8	5.26	252	NA	2.7
	1508	3.0	19.0	5.33	262	NA	0.9
06-MW03D 01/15/99	1515	1.0	16.8	6.58	241	NA	1.1
	1545	1.5	16.8	7.17	237	NA	0.4
	1615	2.0	16.5	7.19	238	NA	0.2
	1646	2.5	16.7	7.25	237	NA	0.2
	1714	3.0	16.5	7.38	237	NA	0.8
06-GW15D 01/17/99	1611	1.0	18.6	7.97	208	NA	21
	1627	2.0	18.4	7.95	206	NA	4.6
	1651	3.0	18.1	7.86	205	NA	2.5
06-GW16 01/15/99	1629	1.0	16.7	5.27	392	0.7	0.0
	1634	1.5	16.7	5.24	364	0.9	0.0
	1639	2.0	16.8	5.30	355	1.5	0.0
	1643	2.5	16.8	5.26	349	1.3	0.0
	1648	3.0	16.8	5.30	341	1.6	0.0
06-GW27DA 01/16/99	1203	1.0	19.2	8.96	526	NA	2.0
	1245	2.0	19.3	8.89	556	NA	6.8
	1334	3.0	19.4	8.89	522	NA	3.2
06-GW27DW 01/16/99	1500	1.0	14.0	5.67	NA	NA	3.3
	1519	2.0	13.0	6.23	NA	NA	3.5
	1539	3.0	18.0	7.78	274	NA	3.9
	1551	4.0	17.7	7.64	264	NA	20
06-GW28 01/15/99	1423	0.5	17.3	4.79	168	5.5	0.0
	1429	1.0	17.3	4.84	166	2.5	0.0
	1437	1.5	17.2	4.86	165	3.3	0.0
	1444	2.0	17.2	4.87	165	2.5	0.0
	1452	2.5	17.0	4.83	163	2.5	0.0
	1459	3.0	17.1	4.89	161	3.0	0.0

TABLE 2 (Continued)

SUMMARY OF GROUNDWATER FIELD PARAMETERS
JANUARY 1999
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

Well Number / Sample Date	Measuring Time	Well Volumes	Field Parameters				
			Temperature (°C)	pH (S.U.)	Specific Conductance (umhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (N.T.U.)
06-GW28DW 01/17/99	0902	1.0	17.2	7.01	305	NA	2.1
	0940	2.0	17.4	7.90	418	NA	2.0
	1035	3.0	17.6	7.81	307	NA	1.9
06-GW30 01/16/99	0845	1.0	14.5	6.16	406	1.5	0.0
	0852	1.5	15.4	6.17	385	1.5	0.0
	0900	2.0	15.9	6.18	407	0.9	0.0
	0908	2.5	15.8	6.17	380	0.8	0.0
	0918	3.0	16.0	6.24	403	1.2	0.0
06-GW32 01/15/99	1538	1.0	16.6	5.96	200	4.6	17
	1547	2.0	16.7	6.19	216	4.8	17
	1556	3.0	16.7	6.22	226	4.5	17
06-GW33 01/15/99	1318	1.0	17.5	4.30	175	1.9	0.0
	1324	2.0	17.8	4.35	173	1.3	0.0
	1330	3.0	17.8	4.35	172	1.7	0.0
06-GW34 01/15/99	0918	1.0	19.2	4.30	486	2.1	0.0
	0927	1.5	19.2	4.17	433	1.5	0.0
	0932	2.0	18.9	4.19	429	2.1	0.0
	0939	2.5	19.0	4.20	422	1.9	0.0
	0945	3.0	18.9	4.20	427	1.9	0.0
06-GW35D 01/17/99	0910	1.0	15.1	6.75	299	NA	0.4
	0956	1.5	16.7	7.27	268	NA	0.4
	1034	2.0	17.3	7.40	272	NA	0.3
	1107	2.5	17.5	7.47	272	NA	0.3
	1208	3.0	18.1	7.57	272	NA	NA
06-GW36D 01/15/99	1140	1.0	17.3	6.99	306	NA	0.6
	1200	1.5	17.1	7.30	301	NA	4.1
	1219	2.0	17.2	7.33	301	NA	0.7
	1241	2.5	16.9	7.31	301	NA	0.3
	1304	3.0	17.0	7.28	304	NA	0.2
06-GW37D 01/16/99	1450	1.0	17.0	8.15	583	2.1	0.0
	1520	1.5	17.6	8.09	585	0.8	0.0
	1550	2.0	17.7	8.08	581	0.8	0.0
	1620	2.5	17.7	8.08	530	1.2	0.0
	1649	3.0	17.2	8.06	587	1.2	0.0
06-GW38D 01/17/99	1340	1.0	19.8	8.73	859	NA	1.9
	1358	1.5	19.6	8.80	855	NA	1.5
	1415	2.0	19.4	8.75	850	NA	1.5
	1440	2.5	19.5	8.76	837	NA	1.4
	1505	3.0	19.3	8.70	846	NA	1.4
06-GW40DW 01/18/99	0743	1.0	17.8	7.89	694	NA	0.0
	0752	2.0	17.7	7.88	680	NA	1.0
	0801	3.0	17.7	7.89	682	NA	0.0

TABLE 2 (Continued)

SUMMARY OF GROUNDWATER FIELD PARAMETERS
JANUARY 1999
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

Well Number / Sample Date	Measuring Time	Well Volumes	Field Parameters				
			Temperature (°C)	pH (S.U.)	Specific Conductance (umhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (N.T.U.)
06-GW41 01/15/99	1019	1.0	16.6	4.08	224	2.7	0.0
	1031	2.0	16.8	4.05	221	2.5	0.0
	1043	3.0	16.8	4.04	217	2.5	0.0
06-GW42 01/15/99	1105	1.0	18.5	4.01	298	1.2	0.0
	1110	1.5	18.6	4.01	276	1.2	0.0
	1124	2.0	18.7	4.04	275	1.4	0.0
	1127	2.5	18.5	4.04	273	1.5	0.0
	1133	3.0	18.6	4.04	267	1.8	0.0
	1139	3.5	18.7	4.04	270	1.7	0.0
82-MW02 01/16/99	1015	1.0	13.4	6.39	785	1.3	0.0
	1027	1.5	13.6	6.38	790	1.2	0.0
	1033	2.0	13.6	6.40	784	1.4	0.0
	1040	2.5	13.6	6.40	788	1.6	0.0
	1045	3.0	13.5	6.42	782	1.3	0.0
82-MW03 01/16/99	1200	1.0	18.4	4.15	192	NA	2.5
	1210	2.0	18.1	4.03	191	NA	1.8
	1222	3.0	17.9	3.73	186	NA	1.7
06-SRW01	1415	(1)	19.7	4.96	279	3.6	0.0
06-SRW02	1435	(1)	17.4	7.32	336	3.5	29.0
06-SRW03	1445	(1)	17.7	6.89	362	2.4	0.0
06-SRW04	1520	(1)	18.2	7.33	439	2.9	0.0
06-SRW05	0915	(1)	17.7	7.73	333	10.6	0.0
06-SRW06	INOPERABLE						
06-DRW01	1142	(1)	18.5	7.51	520	4.6	0.0
06-DRW02	0840	(1)	15.8	6.50	396	1.5	0.0
06-DRW03	1230	(1)	18.2	7.35	342	1.8	0.0
06-DRW04	1505	(1)	17.4	7.72	466	3.2	0.0

Notes:

(1) Enough water was purged to clean the sampling port prior to removing a sample.

°C = Degrees Centigrade
S.U. = Standard Units
umhos/cm = micro ohms per centimeter
mg/L = milligrams per liter
N.T.U. = Nephlometric Turbidity Units
NA = Data not available

TABLE 3

SUMMARY OF GROUNDWATER FIELD PARAMETERS
APRIL 1999
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

Well Number / Sample Date	Measuring Time	Well Volumes	Field Parameters				
			Temperature (°C)	pH (S.U.)	Specific Conductance (umhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (N.T.U.)
06-SRW01	1725	(1)	19.9	4.93	225	2.6	4.0
06-SRW02	1725	(1)	19.2	7.48	279	1.2	1.0
06-SRW03	1745	(1)	17.5	6.34	241	0.7	6.0
06-SRW04	1825	(1)	17.7	7.09	262	1.2	1.0
06-SRW05	1835	(1)	18.2	7.42	348	2.0	3.0
06-SRW06	INOPERABLE						
06-DRW01	NA	(1)	17.8	7.37	334	2.8	4.0
06-DRW02	1836	(1)	17.3	7.56	358	2.8	4.0
06-DRW03	1824	(1)	18.1	7.70	469	2.5	4.0
06-DRW04	1810	(1)	17.7	7.10	389	2.2	4.0

Notes:

(1) Enough water was purged to clean the sampling port prior to removing a sample.

°C = Degrees Centigrade
S.U. = Standard Units
umhos/cm = micro ohms per centimeter
mg/L = milligrams per liter
N.T.U. = Nephlometric Turbidity Units
NA = Data not available

TABLE 4

GROUNDWATER SAMPLING SUMMARY
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

Location	Sampling Quarter [1]				Media	TCL Volatiles[2]	Laboratory Sample Identification January, 1999	Laboratory Sample Identification April, 1999
	A	B	C	D				
06-GW01	O		O		Groundwater	X	IR06-GW01-99A	NS
06-GW01D	O		O		Groundwater	X	IR06-GW01D-99A	NS
06-GW01DA	O				Groundwater	X	IR06-GW01DA-99A	NS
06-GW01DB	O				Groundwater	X	IR06-GW01DB-99A	NS
06-GW03	O		O		Groundwater	X	IR06-GW03-99A	NS
06-MW03D	O				Groundwater	X	IR06-GW03D-99A	NS
06-MW15D	O				Groundwater	X	IR06-GW15D-99A	NS
06-MW16	O		O		Groundwater	X	IR06-GW16-99A	NS
06-GW27DW	O		O		Groundwater	X	IR06-GW27DW-99A	NS
06-GW27DA	O				Groundwater	X	IR06-GW27DA-99A	NS
06-GW28S	O		O		Groundwater	X	IR06-GW28S-99A	NS
06-GW28DW	O		O		Groundwater	X	IR06-GW28DW-99A	NS
06-GW30	O		O		Groundwater	X	IR06-GW30-99A	NS
06-GW32	O		O		Groundwater	X	IR06-GW32-99A	NS
06-GW33	O		O		Groundwater	X	IR06-GW33-99A	NS
06-GW34	O		O		Groundwater	X	IR06-GW34-99A	NS
06-GW35D	O				Groundwater	X	IR06-GW35D-99A	NS
06-GW36D	O				Groundwater	X	IR06-GW36D-99A	NS
06-GW37D	O		O		Groundwater	X	IR06-GW37D-99A	NS
06-GW38D	O				Groundwater	X	IR06-GW38D-99A	NS
06-GW40DW	O				Groundwater	X	IR06-GW40DW-99A	NS
06-GW41	O		O		Groundwater	X	IR06-GW41-99A	NS
06-GW42	O		O		Groundwater	X	IR06-GW42-99A	NS
82-MW02	O		O		Groundwater	X	IR06-82GW02-99A	NS
82-MW03	O		O		Groundwater	X	IR06-82GW03-99A	NS
06-SRW01	O	O	O	O	Groundwater	X	IR06-SRW01-99A	IR06-SRW01-99B
06-SRW02	O	O	O	O	Groundwater	X	IR06-SRW02-99A	IR06-SRW02-99B
06-SRW03	O	O	O	O	Groundwater	X	IR06-SRW03-99A	IR06-SRW03-99B
06-SRW04	O	O	O	O	Groundwater	X	IR06-SRW04-99A	IR06-SRW04-99B
06-SRW05	O	O	O	O	Groundwater	X	IR06-SRW05-99A	IR06-SRW05-99B
06-SRW06	O	O	O	O	Groundwater	X	IR06-SRW06-99A	IR06-SRW06-99B
06-DRW01	O	O	O	O	Groundwater	X	IR06-DRW01-99A	IR06-DRW01-99B
06-DRW02	O	O	O	O	Groundwater	X	IR06-DRW02-99A	IR06-DRW02-99B
06-DRW03	O	O	O	O	Groundwater	X	IR06-DRW03-99A	IR06-DRW03-99B
06-DRW04	O	O	O	O	Groundwater	X	IR06-DRW04-99A	IR06-DRW04-99B

Notes:

[1] A = January
B = April
C = July
D = October

X = Requested analysis
O = Scheduled sampling of well
NS = Not sampled

[2] Target Compound List Volatiles by U.S. Environmental Protection Agency (EPA) Method 8260A.

TABLE 5

SUMMARY OF WATER LEVEL MEASUREMENTS
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

Well ID	Reference Elevation[1]	SWE 8/5/97	SWE 10/29/97	SWE 1/23/98	SWE 4/19/98	SWE 7/28/98	SWL 1/16/99	SWE 1/16/99
06-GW01	35.18	13.83	NA	14.90	18.04	15.13	22.66	12.52
06-GW01D	35.31	6.55	3.41	4.40	5.99	4.93	32.44	2.87
06-GW01DA	35.23	5.68	3.73	4.71	6.31	5.65	27.13	8.10
06-GW02DW	37.61	15.04	NA	15.79	16.99	15.61	22.98	14.63
06-GW03	31.32	14.27	13.88	15.33	17.44	15.10	18.25	13.07
06-GW04	27.99	20.66	20.07	22.09	22.74	21.21	NA	NA
06-GW11	35.05	18.47	15.23	16.02	17.51	17.97	22.75	12.30
06-GW15D	28.00	7.83	6.24	7.32	8.71	7.86	20.50	7.50
06-GW16	27.63	20.33	20.29	NA	NA	NA	7.18	20.45
06-GW21	30.30	17.09	16.78	18.24	19.00	17.04	14.60	15.70
06-GW23	26.96	19.36	18.75	20.69	21.58	19.86	8.63	18.33
06-GW26	23.66	12.21	11.97	12.88	14.02	12.23	12.96	10.70
06-GW27DW	24.47	1.67	0.02	2.83	2.39	1.45	22.62	1.85
06-GW28	30.20	6.64	5.93	7.82	10.63	5.25	24.30	5.90
06-GW28DW	31.74	4.20	-0.89	0.34	1.93	0.50	31.20	0.54
06-GW30	12.60	6.29	6.54	8.10	7.99	6.65	5.30	7.30
06-GW30DW	11.90	9.13	7.54	8.54	10.78	9.20	3.25	8.65
06-GW31	30.26	19.08	18.39	17.33	18.38	16.55	15.45	14.81
06-GW32	21.79	4.16	3.94	5.39	6.57	4.55	18.00	3.79
06-GW33	22.42	10.12	9.58	11.67	14.78	10.80	13.12	9.30
06-GW34	32.01	10.53	9.96	11.99	14.37	11.17	21.98	10.03
06-GW35D	14.29	4.67	4.32	4.70	5.66	4.47	8.33	5.96
06-GW36D	17.61	7.63	6.79	7.81	9.66	13.09	9.62	7.99
06-GW37D	15.96	5.59	5.22	5.76	7.56	5.68	10.24	5.72
06-GW38D	31.89	8.60	8.66	8.82	11.29	9.52	28.75	3.14
06-GW40DW	19.07	2.70	0.76	1.71	3.44	2.35	16.80	2.27
06-GW40DWA	28.26	12.87	11.36	11.95	13.92	13.48	14.64	13.62
06-GW41	NA	NA	NA	NA	NA	NA	10.00	NA
06-GW42	NA	NA	NA	NA	NA	NA	22.86	NA
06-MW03	31.32	25.19	14.42	26.61	27.00	NA	6.21	25.11
06-MW03D	35.18	13.69	13.04	14.55	16.82	10.63	21.75	13.43
82-MW02	6.03	0.68	1.23	1.87	0.22	0.83	4.45	1.58
82-MW03	24.31	7.80	7.41	9.61	12.09	8.55	17.40	6.91

Notes:

[1] Top of well casing expressed in feet above mean sea level

SWL = Static water level taken from top of PVC well casing.
SWE = Static water elevation expressed in feet above mean sea level.
NA = Data not available.

TABLE 6

TRIP BLANK ANALYTICAL RESULTS
JANUARY 1999
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

Sample ID Sample Date	IR06-TB01-99A 1/15/99	IR06-TB02-99A 1/18/99
Volatiles (ug/L)		
1,1,1-Trichloroethane	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U
1,1-Dichloroethane	5 U	5 U
1,1-Dichloroethene	5 U	5 U
1,2-Dichloroethane	5 U	5 U
1,2-Dichloropropane	5 U	5 U
2-Butanone	10 U	10 U
2-Hexanone	10 U	10 U
4-Methyl-2-pentanone	10 U	10 U
Acetone	10 U	10 U
Benzene	5 U	5 U
Bromodichloromethane	5 U	5 U
Bromoform	5 U	5 U
Bromomethane	5 U	5 U
Carbon disulfide	5 U	5 U
Carbon tetrachloride	5 U	5 U
Chlorobenzene	5 U	5 U
Chloroethane	5 U	5 U
Chloroform	5 U	5 U
Chloromethane	5 U	5 U
cis-1,2-Dichloroethene	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U
Dibromochloromethane	5 U	5 U
Ethylbenzene	5 U	5 U
Methylene chloride	5 U	5 U
Styrene	5 U	5 U
Tetrachloroethene	5 U	5 U
Toluene	5 U	5 U
trans-1,2-Dichloroethene	5 U	5 U
trans-1,3-Dichloropropene	5 U	5 U
Trichloroethene	5 U	5 U
Vinyl chloride	5 U	5 U
Xylenes	5 U	5 U

Notes:

U = Not detected
ug/L = Micrograms per liter

TABLE 7

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
JANUARY 1999
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

Detected Contaminants	Comparison Criteria		Concentration Range		Location of Maximum Detection	Detection Frequency	Detections Above	
	NCWQS	MCL	Min.	Max.			NCWQS	MCL
1,1,1-Trichloroethane	200	200	5	5	IR06-GW34-99A	1/25	0	0
1,1,2,2-Tetrachloroethane	NE	NE	5J	7,800	IR06-GW34-99A	4/25	NA	NA
1,1,2-Trichloroethane	NE	5	40	40	IR06-GW34-99A	1/25	NA	1
1,1-Dichloroethene	7	7	4J	72	IR06-GW01D-99A	3/25	2	2
1,2-Dichloroethane	0.38	5	18	18	IR06-GW01D-99A	1/25	1	1
Benzene	1	5	4J	8	IR06-GW01D-99A	2/25	2	1
Chloroform	0.19	100	5	8	IR06-GW03-99A	2/25	2	0
cis-1,2-Dichloroethene	70	70	5	18,000	IR06-GW01D-99A	9/25	6	6
Methylene Chloride	5	5	4J	430	IR06-GW34-99A	2/25	1	1
Tetrachloroethene	0.7	5	4J	390	IR06-GW01D-99A	9/25	9	8
Toluene	1,000	1,000	6	6	IR06-GW16-99A	1/25	0	0
trans-1,2-Dichloroethene	70	100	3J	7,600	IR06-GW01D-99A	9/25	3	3
Trichloroethene	2.8	5	6	180,000	IR06-GW01D-99A	17/25	17	17
Vinyl Chloride	0.015	2	30	520	IR06-GW01D-99A	4/25	4	4

Notes:

Concentrations presented in micrograms per liter (ug/L) or parts per billion.

J = Compound Detected at an Estimated Concentration
MCL = Federal Maximum Contaminant Level. Maximum permissible level of a contaminant in water which is delivered to users of public water systems (U.S. Environmental Protection Agency - Drinking Water Regulations and Health Advisories).
NCWQS = North Carolina Water Quality Standards (North Carolina Administrative Code, Title 15A, Subchapter 2L).
NA = Not Applicable
NE = Not Established

TABLE 8

POSITIVE DETECTIONS IN GROUNDWATER
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

SAMPLE ID	IR82-GW02-99A	IR82-GW03-99A	IR06-GW01-99A	IR06-GW01D-99A	IR06-GW01DA-99A	IR06-GW01DB-99A	IR06-GW03-99A
DATE SAMPLED	1/16/99	1/16/99	1/15/99	1/16/99	1/15/99	1/15/99	1/16/99
VOLATILES (ug/L)							
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 J	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	72	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	18	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	8	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	8
cis-1,2-Dichloroethene	5 U	5 U	5 U	18,000	5 U	5 U	5 U
Methylene chloride	5 U	5 U	5 U	4 J	5 U	5 U	5 U
Tetrachloroethene	5 U	5 U	6	390	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	5 U	5 U	5 U	7,600	5 U	5 U	5 U
Trichloroethene	38	5 U	5 U	180,000	13	7	5 U
Vinyl chloride	5 U	5 U	5 U	520	5 U	5 U	5 U

TABLE 8 (Continued)

POSITIVE DETECTIONS IN GROUNDWATER
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

SAMPLE ID	IR06-GW03D-99A	IR06-GW15D-99A	IR06-GW16-99A	IR06-GW27DA-99A	IR06-GW27DW-99A	IR06-GW28DW-99A
DATE SAMPLED	1/15/99	1/17/99	1/15/99	1/16/99	1/16/99	1/17/99
VOLATILES (ug/L)						
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	72	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	4 J	12
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5 U	5 U	5 U	5 U	1,800	1,300
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	4 J	5 U	5 U	5 U	5 U	51
Toluene	5 U	5 U	6	5 U	5 U	5 U
trans-1,2-Dichloroethene	5 U	5 U	5 U	5 U	600	450 J
Trichloroethene	13	6	5 U	14	2,100	4,200
Vinyl chloride	5 U	5 U	5 U	5 U	43	58

TABLE 8 (Continued)

POSITIVE DETECTIONS IN GROUNDWATER
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

SAMPLE ID	IR06-GW28S-99A	IR06-GW30-99A	IR06-GW32-99A	IR06-GW33-99A	IR06-GW34-99A	IR06-GW35D-99A	IR06-GW36D-99A
DATE SAMPLED	1/15/99	1/16/99	1/15/99	1/15/99	1/15/99	1/17/99	1/15/99
VOLATILES (ug/L)							
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	7,800	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	40	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	5	5 U	5 U
cis-1,2-Dichloroethene	55	10	82	5 U	110	5 U	5 U
Methylene chloride	5 U	5 U	5 U	5 U	430	5 U	5 U
Tetrachloroethene	68	9	10	5 U	350	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	18	8	29	5 U	56	5 U	5 U
Trichloroethene	230	150	210	5 U	440	5 U	5 U
Vinyl chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U

TABLE 8 (Continued)

POSITIVE DETECTIONS IN GROUNDWATER
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND 0&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

SAMPLE ID	IR06-GW37D-99A	IR06-GW38D-99A	IR06-GW40DW-99A	IR06-GW41-99A	IR06-GW42-99A
DATE SAMPLED	1/16/99	1/17/99	1/18/99	1/15/99	1/15/99
VOLATILES (ug/L)					
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	47	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U
Benzene	4 J	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	270	5	5 U	5 U	5 U
Methylene chloride	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	7	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	3 J	3 J	5 U	5 U	5 U
Trichloroethene	10	28	7	9	5 U
Vinyl chloride	30	5 U	5 U	5 U	5 U

TABLE 9

VOLATILE ORGANICS IN GROUNDWATER
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

Monitoring Well/ Volatile Organic Compound	MCL	NCWQS	October 1997	January 1998	April 1998	July 1998	January 1999
06-GW01							
Tetrachloroethene	5	0.7	12	2.8 J	ND	ND	6
Trichloroethene	5	NE	ND	ND	1.4 J	ND	ND
06-GW01D							
1,1-Dichloroethene	7	7	ND	ND	ND	47	72
1,2-Dichloroethane	5	0.38	ND	ND	ND	19	18
1,2-Dichloroethene (total)	70	70	36,000	36,000	30,000	24,000	(1)
Benzene	5	1	ND	ND	ND	7.9	8
cis-1,2-Dichloroethene	70	70	(2)	(2)	(2)	(2)	18,000
Ethylbenzene	700	29	ND	ND	ND	2.2 J	ND
Methylene chloride	5	5	ND	ND	ND	ND	4 J
Tetrachloroethene	5	0.7	1,600	2,000 J	1,300 J	1,200	390
Toluene	1,000	1,000	ND	ND	ND	1.9 J	ND
trans-1,2-Dichloroethene	100	70	(2)	(2)	(2)	(2)	7,600
Trichloroethene	5	NE	140,000	170,000	110,000 D	110,000	180,000
Vinyl chloride	2	0.015	520	ND	ND	320	520
Xylenes	1,000	1,000	ND	ND	ND	3.9 J	ND
06-GW01DA							
1,1,2,2-Tetrachloroethane	NE	NE	ND	ND	ND	ND	5 J
1,2-Dichloroethene (Total)	70	70	ND	ND	2.3 J	ND	(1)
Trichloroethene	5	NE	ND	0.93 J	13	ND	13
06-GW01DB							
Tetrachloroethene	5	0.7	ND	1.0 J	ND	ND	ND
Trichloroethene	5	NE	ND	ND	ND	ND	7
06-GW03							
1,2-Dichloroethene (total)	70	70	1.5	4.6 J	ND	ND	ND
Chloroform	100	0.19	ND	0.86 J	1.2 J	2.4 J	8
Tetrachloroethene	5	0.7	ND	1.3 J	ND	ND	ND
Trichloroethene	5	NE	ND	ND	0.76 J	ND	ND
06-GW03D							
1,1,2,2-Tetrachloroethane	NE	NE	ND	ND	ND	ND	72
Tetrachloroethene	5	0.7	ND	ND	ND	ND	4 J
Trichloroethene	5	NE	ND	ND	ND	ND	13
06-GW15D							
Trichloroethene	5	NE	ND	ND	ND	ND	6
06-GW16							
1,1,2,2-Tetrachloroethane	NE	NE	ND	ND	ND	NA	ND
Chlorobenzene	100	50	6,300	2,900	ND	NA	ND
Toluene	1,000	1,000	ND	ND	ND	ND	6
06-GW17							
Trichloroethene	5	NE	ND	ND	2.3 J	NA	NA
06-DW27DA							
Trichloroethene	5	NE	ND	ND	ND	ND	14

TABLE 9 (Continued)

VOLATILE ORGANICS IN GROUNDWATER
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

Monitoring Well/ Volatile Organic Compound	MCL	NCWQS	October 1997	January 1998	April 1998	July 1998	January 1999
06-GW27DW							
1,1-Dichloroethene	7	7	ND	ND	8.4	ND	4 J
1,2-Dichloroethene (total)	70	70	4,300	4,400	4,400 D	3,100	(1)
cis-1,2-Dichloroethene	70	70	(2)	(2)	(2)	(2)	1,800
Methylene Chloride	5	5	NA	NA	NA	41 J	ND
trans-1,2-Dichloroethene	100	70	(2)	(2)	(2)	(2)	600
Trichloroethene	5	NE	2,900	3,500	3,400 D	3,000	2,100
Vinyl Chloride	2	0.015	84	ND	97	74 J	43
06-GW28							
1,1,2,2-Tetrachloroethane	NE	NE	2.6	ND	ND	ND	ND
1,2-Dichloroethene (total)	70	70	15	12	ND	ND	(1)
cis-1,2-Dichloroethene	70	70	(2)	(2)	(2)	(2)	55
Tetrachloroethene	5	0.7	37	24	ND	ND	68
trans-1,2-Dichloroethene	100	70	(2)	(2)	(2)	(2)	18
Trichloroethene	5	NE	49	39	ND	ND	230
06-GW28DW							
1,1-Dichloroethene	7	7	ND	ND	ND	ND	12
1,2-Dichloroethene (total)	70	70	3,500	1,400	440	NA	(1)
cis-1,2-Dichloroethene	70	70	(2)	(2)	(2)	(2)	1,300
Tetrachloroethene	5	0.7	140	49 J	15 J	NA	51
trans-1,2-Dichloroethene	100	70	(2)	(2)	(2)	(2)	450 J
Trichloroethene	5	NE	9,600	4,100	1,200	NA	4,200
Vinyl chloride	2	0.015	75	ND	ND	NA	58
06-GW30							
cis-1,2-Dichloroethene	70	70	(2)	(2)	(2)	(2)	10
Tetrachloroethene	5	0.7	3.4	ND	ND	NA	9
trans-1,2-Dichloroethene	100	70	(2)	(2)	(2)	(2)	8
Trichloroethene	5	2.8	ND	ND	ND	ND	150
06-GW30DW							
Chlorobenzene	100	50	ND	ND	1.7 J	NA	NA

TABLE 9 (Continued)

VOLATILE ORGANICS IN GROUNDWATER
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

Monitoring Well/ Volatile Organic Compound	MCL	NCWQS	October 1997	January 1998	April 1998	July 1998	January 1999
06-GW32							
1,1,2,2-Tetrachloroethane	NE	NE	12	ND	ND	ND	ND
1,2-Dichloroethene (total)	70	70	320	9.8	ND	ND	(1)
Chloroform	100	0.19	ND	ND	0.87 J	0.79 J	ND
cis-1,2-Dichloroethene	70	70	(2)	(2)	(2)	(2)	82
Tetrachloroethene	5	0.7	33	2.1 J	ND	ND	10
Toluene	1000	1,000	NA	NA	NA	0.98 J	ND
trans-1,2-Dichloroethene	100	70	(2)	(2)	(2)	(2)	29
Trichloroethene	5	NE	670	26	1.3 J	ND	210
Vinyl Chloride	2	0.015	ND	ND	ND	ND	ND
06-GW33							
Tetrachloroethene	5	0.7	5.0	ND	ND	ND	ND
Trichloroethene	5	NE	ND	ND	0.96 J	ND	ND
06-GW34							
1,1,2,2-Tetrachloroethane	NE	NE	8,500	11,000	7,000 D	4,100	7,800
1,1,1-Trichloroethane	200	200	ND	ND	2.7 J	8.7 J	5
1,1,2-Trichloroethane	5	NE	45	58	38	18 J	40
1,2-Dichloroethene (total)	70	70	170	200	130	64 J	(1)
cis-1,2-Dichloroethene	70	70	(2)	(2)	(2)	(2)	110
Methylene Chloride	5	5	NA	NA	NA	31 J	430
Chloroform	100	0.19	ND	ND	2.6 J	ND	5
Tetrachloroethene	5	0.7	120	120	170 JD	ND	350
trans-1,2-Dichloroethene	100	70	(2)	(2)	(2)	(2)	56
Trichloroethene	5	NE	400	510	250 D	170	440
06-GW35D							
1,1,2,2-Tetrachloroethane	NE	NE	2.9	ND	ND	NA	ND
06-GW37D							
1,2-Dichloroethene (total)	70	70	230	260	210	340	(1)
Benzene	5	1	7.8	6.9	5.3 J	7.7 J	4 J
cis-1,2-Dichloroethene	70	70	(2)	(2)	(2)	(2)	270
Tetrachloroethene	5	0.7	ND	ND	ND	ND	7
Trichloroethene	5	NE	8	6.5	3.1 J	91	10
trans-1,2-Dichloroethene	100	70	(2)	(2)	(2)	(2)	3 J
Vinyl chloride	2	0.015	16	27	17 J	16 J	30
06-GW38D							
cis-1,2-Dichloroethene	70	70	(2)	(2)	(2)	(2)	5
trans-1,2-Dichloroethene	100	70	(2)	(2)	(2)	(2)	3 J
Trichloroethene	5	NE	ND	ND	2.5 J	NA	28

TABLE 9 (Continued)

VOLATILE ORGANICS IN GROUNDWATER
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

Monitoring Well/ Volatile Organic Compound	MCL	NCWQS	October 1997	January 1998	April 1998	July 1998	January 1999
06-GW40DWA							
Trichloroethene	5	NE	ND	ND	4.4 J	NA	7
06-GW41							
1,1,2,2-Tetrachloroethane	NE	NE	NA	NA	NA	NA	47
Trichloroethene	5	NE	NA	NA	NA	NA	9
82-MW02							
Trichloroethene	5	NE	ND	ND	ND	ND	38
Vinyl Chloride	2	0.015	ND	1.6	ND	ND	ND
82-MW03							
Tetrachloroethene	5	0.7	ND	ND	1.1 J	ND	ND

Notes:

Concentrations expressed in micrograms per liter (ug/L) or parts per billion.

Monitoring wells were not sampled during the fourth quarter of 1998.

(1) = 1,2-Dichloroethene (Total) was speciated during this quarter into cis- and trans-.

(2) = cis-1,2-Dichloroethene and trans-1,2-Dichloroethene were not speciated during this quarter.

J = Estimated value

MCL = Federal Maximum Contaminant Level. Maximum permissible level of a contaminant in water which is delivered to any user of a public water system. (U.S. Environmental Protection Agency - Drinking Water Regulations and Health Advisories.)

NCWQS = North Carolina Water Quality Standards. Values Applicable to Groundwater (North Carolina Administrative Code, Title 15A, Subchapter 2L).

NA = Not applicable; this well was not sampled during this evaluation period.

ND = Not Detected

NE = Not Established

TABLE 10

TREATMENT SYSTEM SAMPLING RESULTS
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

Contaminant	January 1999				February 1999				March 1999			
	Shallow Aquifer Influent	Deep Aquifer Influent	Air Stripper Effluent	Final Effluent	Shallow Aquifer Influent	Deep Aquifer Influent	Air Stripper Effluent	Final Effluent	Shallow Aquifer Influent	Deep Aquifer Influent	Air Stripper Effluent	Final Effluent
Volatiles[1]												
1,2-Dichloroethane	<20	<100	<1	<1	<1	<50	<1	<1	<20	<100	<1	<1
trans-1,2-Dichloroethene	95	<100	<1	<1	111	1,470	<1	<1	110	1,280	<1	<1
Tetrachloroethene	232	135	<1	<1	33	166	<1	<1	163	135	<1	<1
Trichloroethene	583	12,600	7.8	6	887	13,300	23.5	5.2	542	13,100	<1	7.7
Vinyl Chloride	<20	<100	<1	<1	<1	60	<1	<1	<20	<100	<1	<1
Ethylbenzene	<20	<100	<2	<1	<1	<150	<1	<1	<20	<100	<1	<1
Total Metals[1]												
Arsenic	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Barium	<200	675	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
Beryllium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chromium	<10	21.2	<10	<10	<10	<10	<10	<10	14	<10	<10	<10
Iron	553	786	430	<100	709	4,120	139	1,710	711	992	380	2,280
Lead	<3	<3	<3	3	<3	6	7.3	5.8	<3	<3	<3	<3
Manganese	<15	22.2	19.3	<15	<15	76.8	<15	21.2	35	23	<15	<15
Mercury	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Wet Chemistry												
Total Dissolved Solids (mg/L)	143	222	231	237	229	183	210	202	145	221	232	236
Total Suspended Solids (mg/L)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
pH (su)	7.60	7.40	NA	8.10	7.80	7.60	NA	7.80	6.80	7.50	NA	7.90

Notes:

[1] Volatile and Metal concentrations reported in micrograms per liter (µg/L) or parts per billion.
NA = Not analyzed

TABLE 10 (Continued)

TREATMENT SYSTEM SAMPLING RESULTS
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

Contaminant[1]	Apil 1999				May 1999				June 1999			
	Shallow Aquifer Influent	Deep Aquifer Influent	Air Stripper Effluent	Final Effluent	Shallow Aquifer Influent	Deep Aquifer Influent	Air Stripper Effluent	Final Effluent	Shallow Aquifer Influent	Deep Aquifer Influent	Air Stripper Effluent	Final Effluent
Volatiles[2]												
1,2-Dichloroethane	NE	NE	NE	NE	NE	NE	NE	NE	NE	2.8	NE	NE
1,1-Dichloroethene	NE	NE	NE	NE	NE	NE	NE	NE	NE	6.7	NE	NE
cis-1,2-Dichloroethene	699	3,820	7	NE	554	4,060	NE	NE	600	3,020	2	NE
trans-1,2-Dichloroethene	153	1,280	NE	NE	95.2	1,350	NE	NE	137	1,760	NE	NE
1,1,2,2-Tetrachloroethane	255	456	130	15.3	72.5	614	67.3	11.2	315	406	59.8	16.9
Tetrachloroethene	41.6	99.9	NE	NE	75	151	NE	NE	80.9	263	NE	NE
1,1,2-Trichloroethane	NE	NE	NE	NE	NE	NE	NE	NE	5	14.3	NE	NE
Trichloroethene	566	8,580	15.1	13.4	472	10,800	NE	14	570	11,800	17.7	20.4
Vinyl Chloride	NE	NE	NE	NE	NE	NE	NE	NE	3.3	65.6	NE	NE
Benzene	NE	NE	NE	NE	NE	NE	NE	NE	NE	2	NE	NE
Total Metals[2]												
Arsenic	NE	NE	7.4	NE	NE	NE	NE	NE	NE	NE	NE	NE
Chromium	NE	30	NE	NE	NE	NE	NE	24.6	NE	NE	NE	24.5
Iron	514	942	893	135	2,720	985	576	244	433	1,810	140	163
Manganese	29.8	25.9	25.3	NE	40	20	15	NE	32.4	46.6	NE	NE
Wet Chemistry												
Total Dissolved Solids (mg/L)	141	201	263	251	151	241	244	253	169	234	290	276
pH (su)	5.4	5.7	NE	6.1	7	7.6	NE	8.1	6.9	7.6	NE	7.9

Notes:

[1] Only contaminants that were detected during these months are shown.

[2] Volatile and Metal concentrations reported in micrograms per liter (µg/L) or parts per billion.

NE = Not evaluated.

TABLE 11

POSITIVE DETECTIONS FROM RECOVERY WELLS - JANUARY 1999
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

SAMPLE ID DATE SAMPLED	IR06-DRW01-99A 1/15/99	IR06-DRW02-99A 1/17/99	IR06-DRW03-99A 1/16/99	IR06-DRW04-99A 1/15/99	IR06-SRW01-99A 1/15/99	IR06-SRW02-99A 1/15/99
VOLATILES (ug/L)						
1,1,2,2-Tetrachloroethane	5,800	38	5 U	5 U	11,000	96
1,1,2-Trichloroethane	98	16	5 U	5 U	53	5 U
1,1-Dichloroethene	29	20	14	34	5 U	5 U
1,2-Dichloroethane	5 U	4 J	5 U	5 U	5 U	5 U
Benzene	5 U	11	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	5	5 U
cis-1,2-Dichloroethene	2,900	4,100	3,000	2,800	170	25
Methylene chloride	5 U	5 U	5 U	1,600	840	5 U
Tetrachloroethene	790 J	520	15	66	680	8
trans-1,2-Dichloroethene	990 J	1,600	1,200	1,100	89	6
Trichloroethene	21,000	11,000	6,500	15,000	770	30
Vinyl chloride	120	160	66	240	5 U	5 U

TABLE 11 (Continued)

POSITIVE DETECTIONS FROM RECOVERY WELLS - JANUARY 1999
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

SAMPLE ID DATE SAMPLED	IR06-SRW03-99 1/15/99	IR06-SRW04-99A 1/15/99	IR06-SRW05-99 1/17/99
VOLATILES (ug/L)			
1,1,2,2-Tetrachloroethane	620	5 U	5 U
1,1,2-Trichloroethane	19	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U
Benzene	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U
cis-1,2-Dichloroethene	860	1,500	300
Methylene chloride	5 U	5 U	5 U
Tetrachloroethene	180	86	64
trans-1,2-Dichloroethene	270	280	19
Trichloroethene	520	960	200
Vinyl chloride	22	79	8

TABLE 12

POSITIVE DETECTIONS FROM RECOVERY WELLS - APRIL 1999
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

SAMPLE ID SAMPLE DATE	IR06-DRW01-99B 4/17/99	IR06-DRW02-99B 4/17/99	IR06-DRW03-99B 4/17/99	IR06-DRW04-99B 4/17/99	IR06-SRW01-99B 4/17/99	IR06-SRW02-99B 4/17/99
VOLATILES (ug/L)						
1,1,2,2-Tetrachloroethane	5,000 D	500 U	5 U	50 U	12,000 D	190
1,1,2-Trichloroethane	100	500 U	5 U	50 U	55	2 J
1,1-Dichloroethane	5 U	500 U	3 J	50 U	50 U	5 U
1,1-Dichloroethene	19	500 U	14	17 J	50 U	5 U
1,2-Dichloroethane	4 J	500 U	2 J	50 U	50 U	5 U
Acetone	10 U	1,000 U	1 J	100 U	100 U	10 U
Benzene	2 J	500 U	1 J	50 U	50 U	5 U
Chloroform	2 J	500 U	5 U	50 U	50 U	5 U
cis-1,2-Dichloroethene	5,400 D	4,000	2,600 D	4,400 D	150	100
Methylene Chloride	2 J	500 U	1 J	14 BJ	12 BJ	5 U
Tetrachloroethene	1,200 D	640	16	56	1,100	6
Total Xylenes	2 J	1,500 U	15 U	150 U	150 U	15 U
Trans-1,2-Dichloroethene	2,000 D	1,500	1,100 D	1,600	61	33
Trichloroethene	27,000 D	12,000	6,000 D	17,000 D	530	90
Vinyl Chloride	95	160 J	95	130	50 U	2 J

TABLE 12 (Continued)

POSITIVE DETECTIONS FROM RECOVERY WELLS - APRIL 1999
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

SAMPLE ID SAMPLE DATE	IR06-SRW03-99B 4/17/99	IR06-SRW04-99B 4/17/99	IR06-SRW05-99B 4/17/99
VOLATILES (ug/L)			
1,1,2,2-Tetrachloroethane	420 D	4 J	5 U
1,1,2-Trichloroethane	18	10 U	5 U
1,1-Dichloroethane	5 U	10 U	5 U
1,1-Dichloroethene	2 J	10 U	5 U
1,2-Dichloroethane	5 U	10 U	5 U
Acetone	10 U	20 U	10 U
Benzene	5 U	10 U	5 U
Chloroform	5 U	10 U	5 U
cis-1,2-Dichloroethene	1,100 D	350	220 D
Methylene Chloride	5 U	10 U	5 U
Tetrachloroethene	220 D	80	86
Total Xylenes	15 U	30 U	15 U
Trans-1,2-Dichloroethene	430 D	90	22
Trichloroethene	1,300 D	450 D	240 D
Vinyl Chloride	10	7 J	3 J

TABLE 13

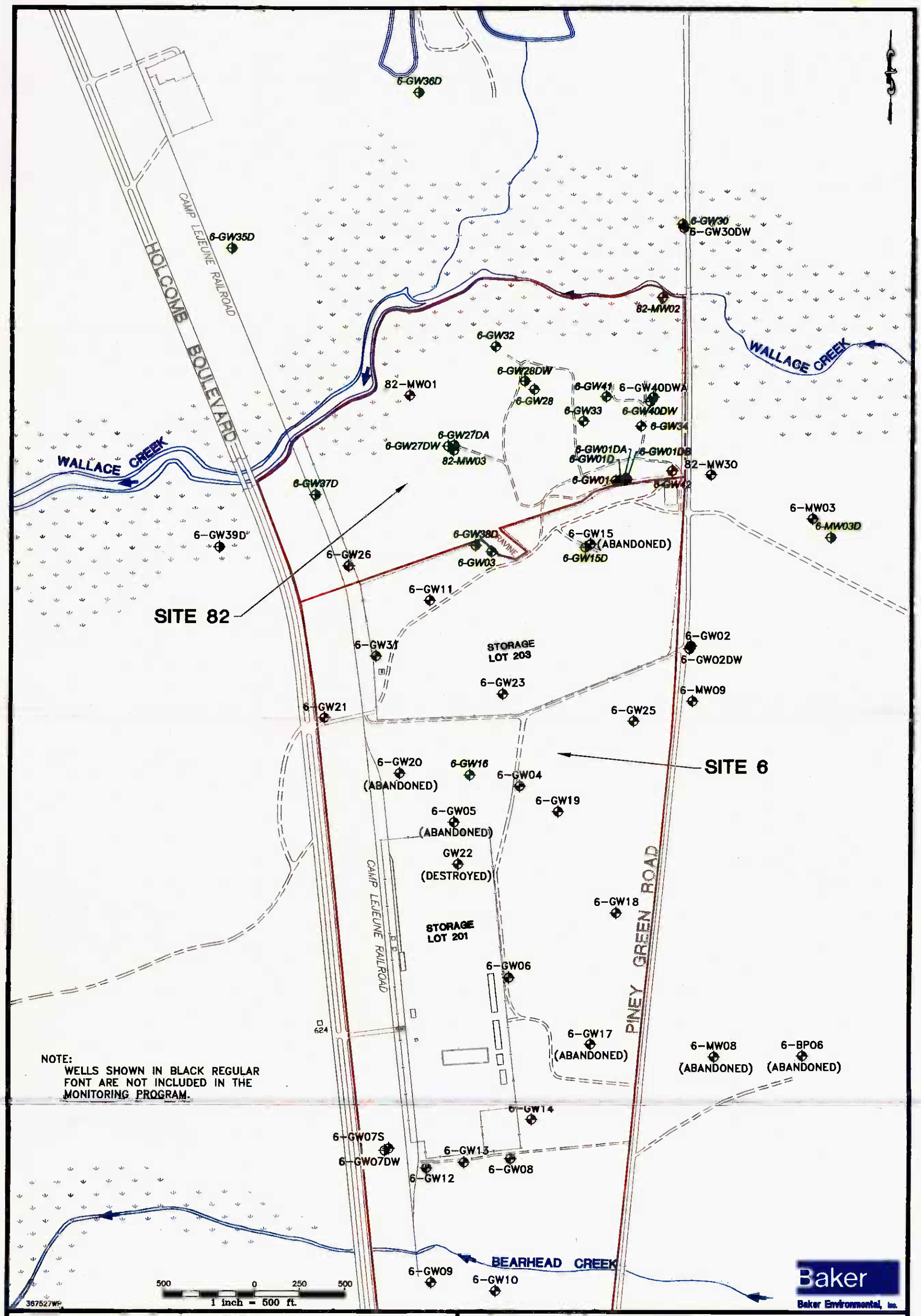
TRIP BLANK ANALYTICAL RESULTS
APRIL 1999
OPERABLE UNIT NO. 2 - SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

SAMPLE ID	IR06-TB01-99B
SAMPLE DATE	4/20/99
VOLATILES (ug/L)	
1,1,1-Trichloroethane	5 U
1,1,2,2-Tetrachloroethane	5 U
1,1,2-Trichloroethane	5 U
1,1-Dichloroethane	5 U
1,1-Dichloroethene	5 U
1,2-Dichloroethane	5 U
1,2-Dichloropropane	5 U
2-Butanone	10 U
2-Hexanone	10 U
4-Methyl-2-Pentanone	10 U
Acetone	10 U
Benzene	5 U
Bromodichloromethane	5 U
Bromoform	5 U
Bromomethane	5 U
Carbon Disulfide	5 U
Carbon Tetrachloride	5 U
Chlorobenzene	5 U
Chloroethane	5 U
Chloroform	5 U
Chloromethane	5 U
cis-1,2-Dichloroethene	5 U
cis-1,3-Dichloropropene	5 U
Dibromochloromethane	5 U
Ethylbenzene	5 U
Methylene Chloride	1 J
Styrene	5 U
Tetrachloroethene	5 U
Toluene	5 U
Total Xylenes	15 U
Trans-1,2-Dichloroethene	5 U
Trans-1,3-Dichloropropene	5 U
Trichloroethene	5 U
Vinyl Chloride	5 U

Notes:

U = not detected
J = estimated value
ug/L = micrograms per liter

FIGURES



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORNG WELL
- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- APPROXIMATE SITE BOUNDARY
- FENCING

SOURCE: LANTDIV, OCT. 1991

FIGURE 1

MONITORING WELL LOCATION MAP
OPERABLE UNIT No. 2 – SITES 6 and 82
MONITORING and O&M SUPPORT, CTO-0367

MARINE CORPS BASE, CAMP LEJEUNE
NORTH CAROLINA

02337IIB1Y

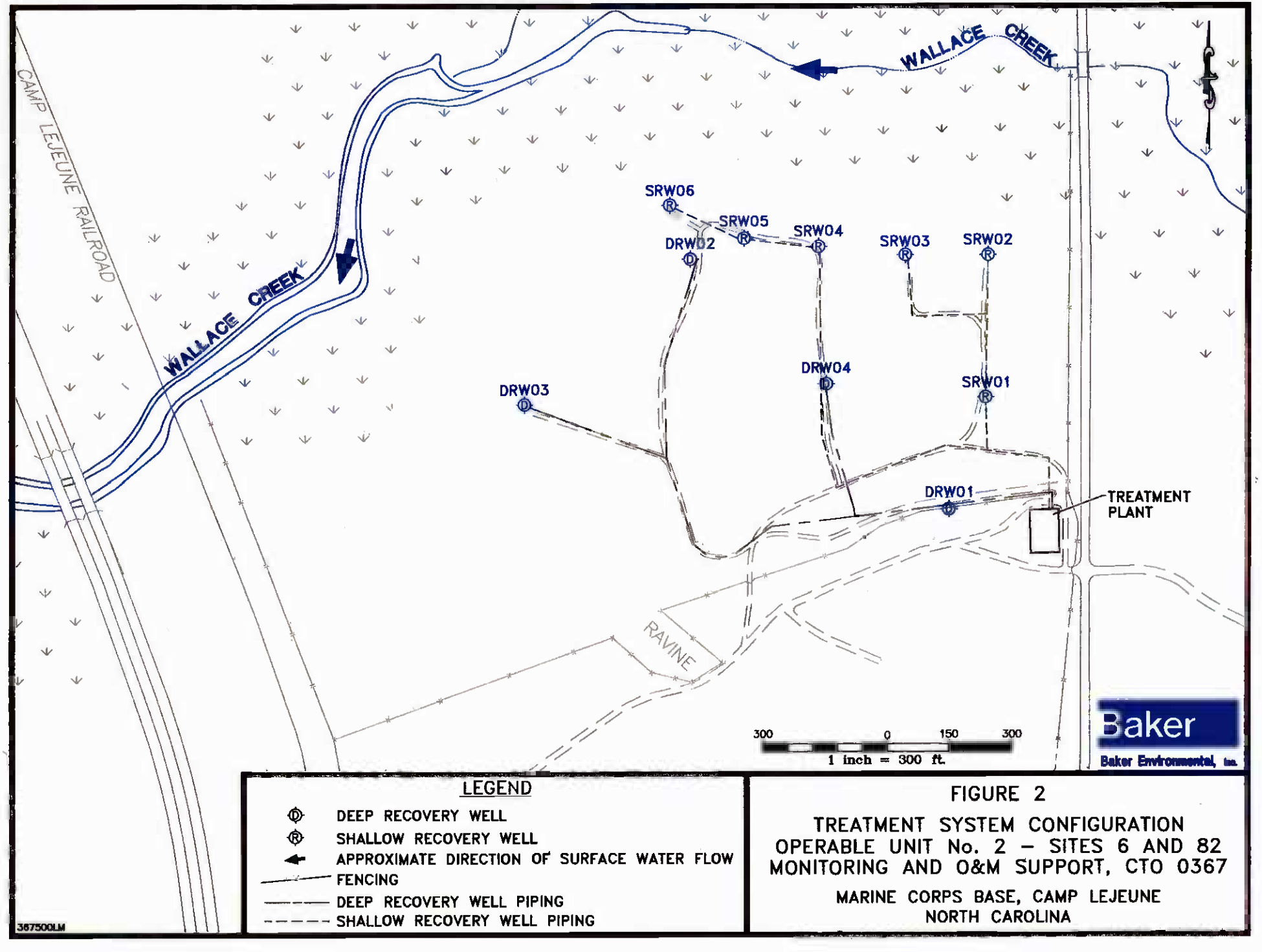
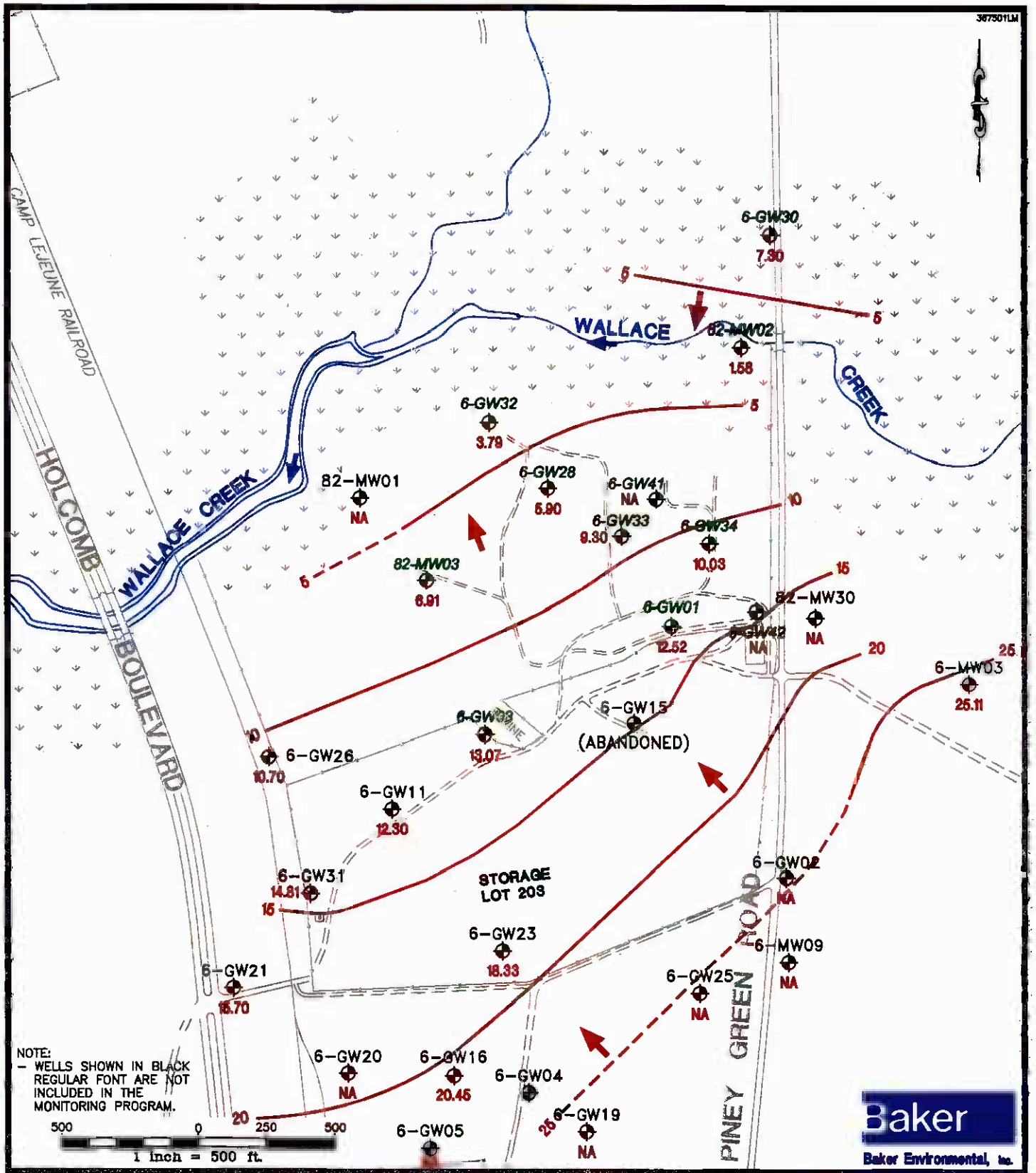


FIGURE 2

TREATMENT SYSTEM CONFIGURATION
OPERABLE UNIT No. 2 – SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO 0367

MARINE CORPS BASE, CAMP LEJEUNE
NORTH CAROLINA



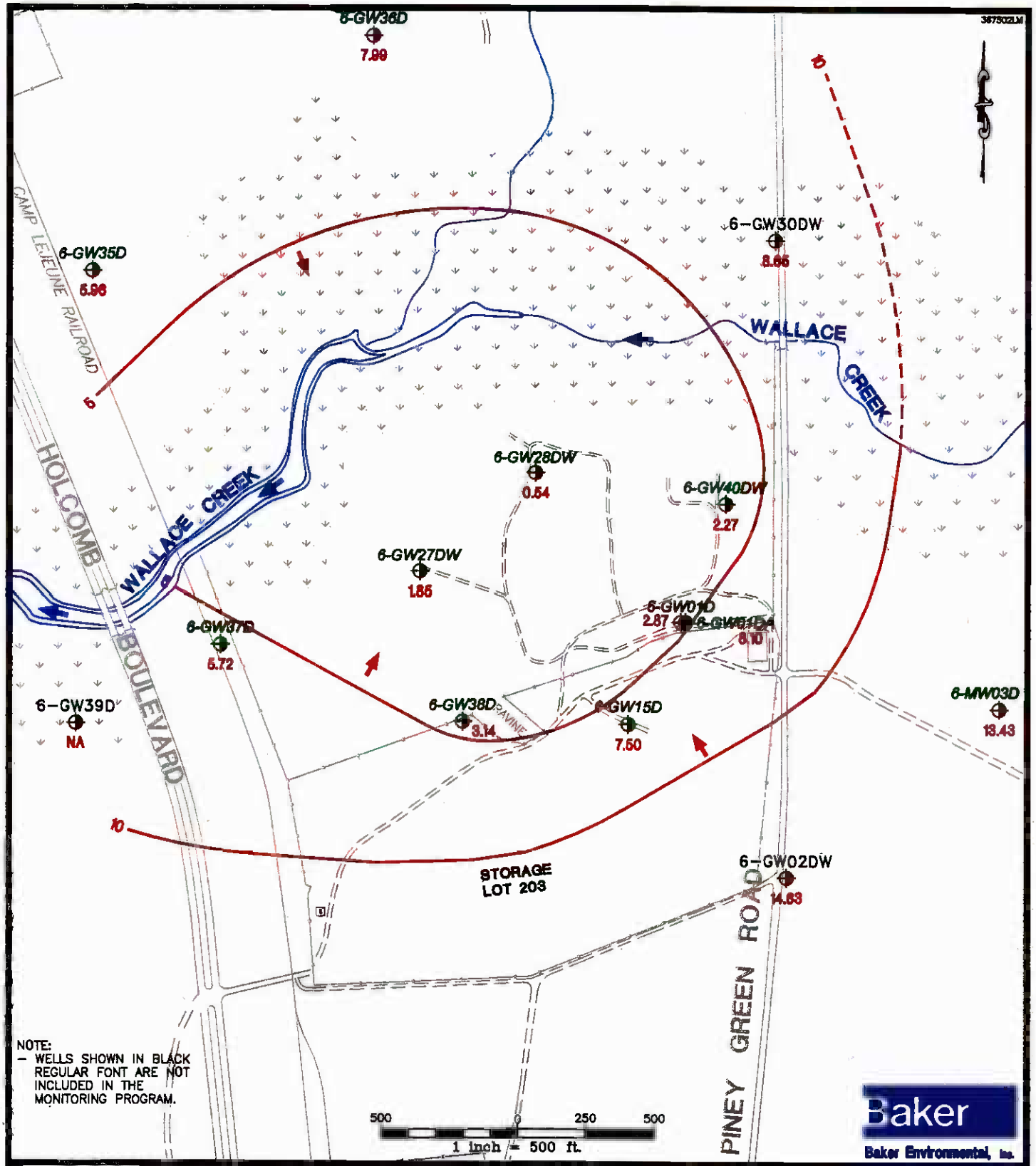
LEGEND

- 6-GW01 ◆ – SHALLOW MONITORING WELL
- 10.70 – GROUNDWATER ELEVATION (MSL) MEASURED ON 01/16/99
- NA – ELEVATION DATA NOT AVAILABLE
- ← – GROUNDWATER FLOW DIRECTION
- —— – GROUNDWATER CONTOUR INTERVAL
- ← – SURFACE WATER FLOW DIRECTION

FIGURE 3

GROUNDWATER CONTOUR MAP SHALLOW AQUIFER OPERABLE UNIT No.2 – SITES 6 AND 82 MONITORING AND O&M SUPPORT, CTO-0367

MARINE CORPS BASE, CAMP LEJEUNE
NORTH CAROLINA



LEGEND

- 6-GW01D — DEEP MONITORING WELL
- 5.72 — GROUNDWATER ELEVATION (MSL) MEASURED ON 01/16/99
- NA — ELEVATION DATA NOT AVAILABLE
- GROUNDWATER FLOW DIRECTION
- GROUNDWATER CONTOUR INTERVAL
- SURFACE WATER FLOW DIRECTION

FIGURE 4

GROUNDWATER CONTOUR MAP
DEEP AQUIFER
OPERABLE UNIT No.2 – SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367

MARINE CORPS BASE, CAMP LEJEUNE
NORTH CAROLINA

FEDERAL MAXIMUM CONTAMINANT LEVELS (MCL) AND NORTH CAROLINA WATER QUALITY STANDARDS (NCWQS)

VOLATILE ORGANIC COMPOUNDS	NCWQS	MCL
1,1,1-Trichloroethane	200	200
1,1,2,2-Tetrachloroethane	NE	NE
1,1,2-Trichloroethane	NE	5.0
Chloroform	0.19	100
Cis-1,2-Dichloroethene	70	70
Methylene Chloride	5.0	NE
Tetrachloroethene	0.7	5.0
Toluene	1000	1000
Trans-1,2-Dichloroethene	70	100
Trichloroethene	2.8	5.0
Vinyl Chloride	0.015	2.0

NOTES:
- CONCENTRATIONS PRESENTED IN MICROGRAMS PER LITER OR PARTS PER BILLION
- EXCEEDS NCWQS SHOWN IN GREEN
- EXCEEDS BOTH NCWQS AND MCL SHOWN IN RED
- NE = STANDARD NOT ESTABLISHED

SAMPLE ID	IR82-GW02-99A
DATE SAMPLED	1/16/99
Trichloroethene	38

SAMPLE ID	IR06-GW30-99A
DATE SAMPLED	1/16/99
cis-1,2-Dichloroethene	10
Tetrachloroethene	9
Trans-1,2-Dichloroethene	8
Trichloroethene	150

SAMPLE ID	IR06-SRW04-99A
DATE SAMPLED	1/15/99
Cis-1,2-Dichloroethene	1,500
Tetrachloroethene	86
Trans-1,2-Dichloroethene	280
Trichloroethene	960
Vinyl chloride	79

SAMPLE ID	IR06-GW32-99A
DATE SAMPLED	1/15/99
Cis-1,2-Dichloroethene	82
Tetrachloroethene	10
Trans-1,2-Dichloroethene	29
Trichloroethene	210

SAMPLE ID	IR06-SRW05-99A
DATE SAMPLED	1/17/99
Cis-1,2-Dichloroethene	300
Tetrachloroethene	64
Trans-1,2-Dichloroethene	19
Trichloroethene	200
Vinyl chloride	8

SAMPLE ID	IR06-SRW02-99A
DATE SAMPLED	1/15/99
1,1,2,2-Tetrachloroethane	96
cis-1,2-Dichloroethene	25
Tetrachloroethene	8
trans-1,2-Dichloroethene	6
Trichloroethene	30

SAMPLE ID	IR06-SRW03-99A
DATE SAMPLED	1/15/99
1,1,2,2-Tetrachloroethane	620
1,1,2-Trichloroethane	19
Cis-1,2-Dichloroethene	880
Tetrachloroethene	180
Trans-1,2-Dichloroethene	270
Trichloroethene	520
Vinyl chloride	22

SAMPLE ID	IR06-GW01-99A
DATE SAMPLED	1/15/99
Tetrachloroethene	6

SAMPLE ID	IR06-GW34-99A
DATE SAMPLED	1/15/99
1,1,1-Trichloroethane	5
1,1,2,2-Tetrachloroethane	7,800
1,1,2-Trichloroethane	40
Chloroform	5
Cis-1,2-Dichloroethene	110
Methylene chloride	430
Tetrachloroethene	350
Trans-1,2-Dichloroethene	56
Trichloroethene	440

SAMPLE ID	IR06-GW28S-99A
DATE SAMPLED	1/15/99
cis-1,2-Dichloroethene	55
Tetrachloroethene	66
trans-1,2-Dichloroethene	18
Trichloroethene	230

SAMPLE ID	IR06-GW41-99A
DATE SAMPLED	1/15/99
1,1,2,2-Tetrachloroethane	47
Trichloroethene	9

SAMPLE ID	IR06-GW03-99A
DATE SAMPLED	1/16/99
Chloroform	8

SAMPLE ID	IR06-GW16-99A
DATE SAMPLED	1/15/99
Toluene	6

SAMPLE ID	IR06-SRW01-99A
DATE SAMPLED	1/15/99
1,1,2,2-Tetrachloroethane	11,000
1,1,2-Trichloroethane	53
Chloroform	5
cis-1,2-Dichloroethene	170
Methylene chloride	840
Tetrachloroethene	650
Trans-1,2-Dichloroethene	80
Trichloroethene	770

6-GW30, 82-MW02, 6-GW32, SRW06, SRW04, SRW03, SRW02, SRW05, 6-GW41, 6-GW28, 6-GW33, 6-GW34, SRW01, 82-MW03, 6-GW42, 6-GW01, 6-GW03, 6-GW16

WALLACE CREEK

CAMP LEJEUNE RAILROAD

PINEY GREEN ROAD

RAVINE

SITE 82

SITE 6

STORAGE LOT 203

STORAGE LOT 201

624

BEARHEAD CREEK

500 0 250 500

1 inch = 500 ft.

367505LM

Baker Environmental, Inc.

LEGEND

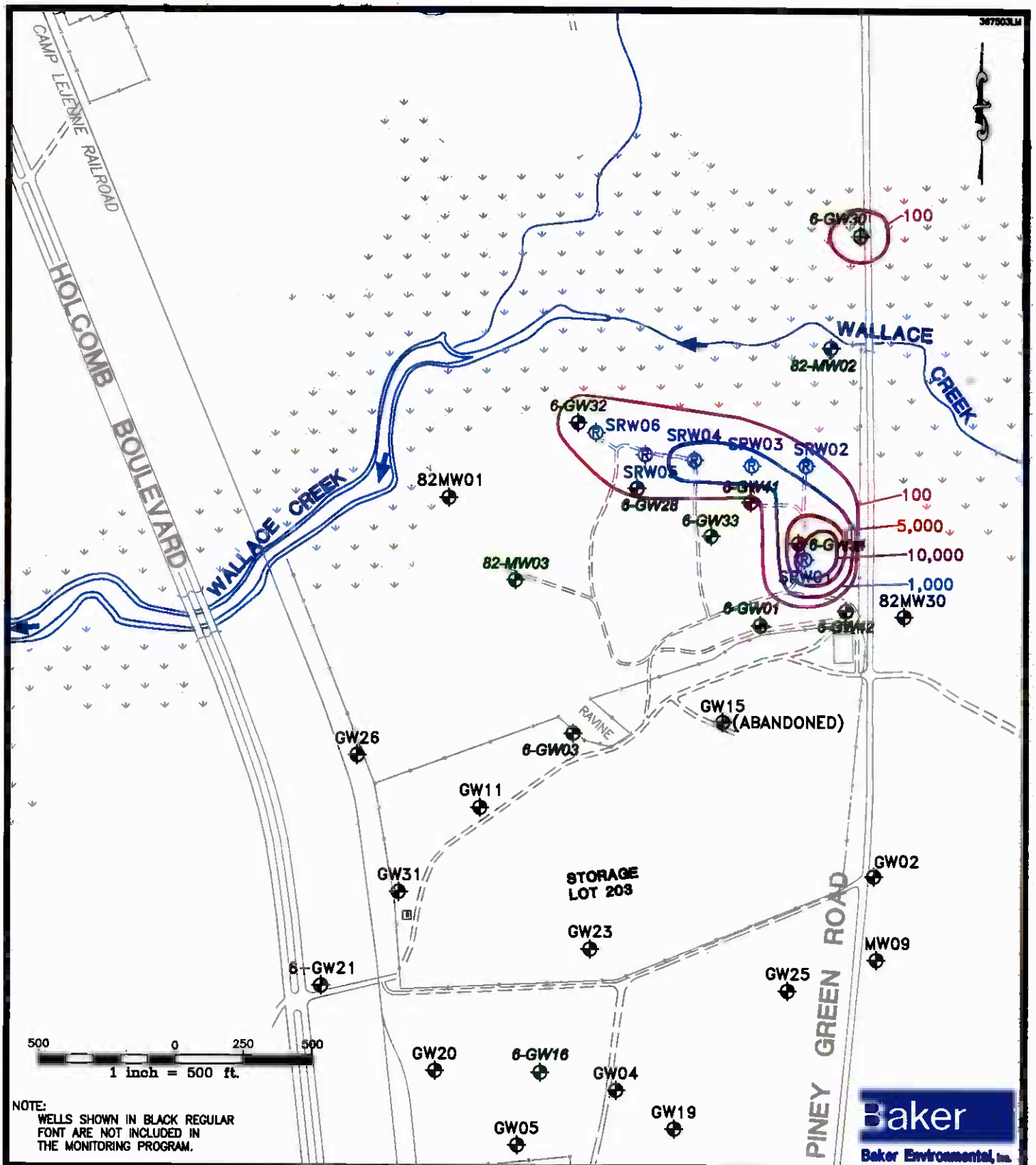
- SHALLOW MONITORING WELL
- SHALLOW RECOVERY WELL
- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- APPROXIMATE SITE BOUNDARY
- FENCING

SOURCE: LANTDIV, OCT. 1991

FIGURE 5

VOLATILE ORGANIC COMPOUNDS IN SHALLOW AQUIFER

OPERABLE UNIT No. 2 – SITES 6 and 82
MONITORING and O&M SUPPORT, CTO-0367
MARINE CORPS BASE, CAMP LEJEUNE
NORTH CAROLINA



LEGEND

- SHALLOW MONITORING WELL
- SHALLOW RECOVERY WELL
- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- 100 APPROXIMATE HORIZONTAL EXTENT OF CONTAMINATION AT TOTAL VOC CONCENTRATION

FIGURE 6

VOC CONTOUR MAP – SHALLOW AQUIFER
JANUARY 1999
OPERABLE UNIT No.2 – SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367

MARINE CORPS BASE, CAMP LEJEUNE
NORTH CAROLINA

FEDERAL MAXIMUM CONTAMINANT LEVELS (MCL) AND NORTH CAROLINA WATER QUALITY STANDARDS (NCWQS)

VOLATILE ORGANIC COMPOUNDS	NCWQS	MCL
1,1,2,2–Tetrachloroethane	NE	NE
1,1,2–Trichloroethane	NE	5.0
1,1–Dichloroethene	7.0	7.0
1,2–Dichloroethane	0.38	5.0
Benzene	1.0	5.0
Cis–1,2–Dichloroethene	70	70
Methylene Chloride	5.0	NE
Tetrachloroethene	0.7	5.0
Trans–1,2–Dichloroethene	70	100
Trichloroethene	2.8	5.0
Vinyl Chloride	0.015	2.0

NOTE:
- CONCENTRATIONS PRESENTED IN MICROGRAMS PER LITER OR PARTS PER BILLION
- EXCEEDS NCWQS SHOWN IN GREEN
- EXCEEDS BOTH NCWQS AND MCL SHOWN IN RED
- NE = STANDARD NOT ESTABLISHED

SAMPLE ID	IR06–DRW04–99A
DATE SAMPLED	1/15/99
1,1–Dichloroethene	34
cis–1,2–Dichloroethene	2,800
Methylene chloride	1,800
Tetrachloroethene	66
trans–1,2–Dichloroethene	1,100
Trichloroethene	15,000
Vinyl chloride	240

SAMPLE ID	IR06–DRW02–99A
DATE SAMPLED	1/17/99
1,1,2,2–Tetrachloroethane	38
1,1,2–Trichloroethane	16
1,1–Dichloroethene	20
1,2–Dichloroethane	4 J
Benzene	11
cis–1,2–Dichloroethene	4,100
Tetrachloroethene	520
trans–1,2–Dichloroethene	1,800
Trichloroethene	11,000
Vinyl chloride	180

SAMPLE ID	IR06–DRW03–99A
DATE SAMPLED	1/16/99
1,1–Dichloroethene	14
cis–1,2–Dichloroethene	3,000
Tetrachloroethene	15
trans–1,2–Dichloroethene	1,200
Trichloroethene	8,500
Vinyl chloride	66

SAMPLE ID	IR06–GW27DW–99A
DATE SAMPLED	1/16/99
1,1–Dichloroethene	4 J
cis–1,2–Dichloroethene	1,800
trans–1,2–Dichloroethene	600
Trichloroethene	2,100
Vinyl chloride	43

SAMPLE ID	IR06–GW40DW–99A
DATE SAMPLED	1/18/99
Trichloroethene	7

SAMPLE ID	IR06–DRW01–99A
DATE SAMPLED	1/15/99
1,1,2,2–Tetrachloroethane	5,800
1,1,2–Trichloroethane	98
1,1–Dichloroethene	29
cis–1,2–Dichloroethene	2,900
Tetrachloroethene	790 J
trans–1,2–Dichloroethene	990 J
Trichloroethene	21,000
Vinyl chloride	120

SAMPLE ID	IR06–GW37D–99A
DATE SAMPLED	1/16/99
Benzene	4 J
cis–1,2–Dichloroethene	270
Tetrachloroethene	7
Trans–1,2–Dichloroethene	3 J
Trichloroethene	10
Vinyl chloride	30

SAMPLE ID	IR06–GW27DA–99A
DATE SAMPLED	1/16/99
Trichloroethene	14

SAMPLE ID	IR06–GW03D–99A
DATE SAMPLED	1/15/99
1,1,2,2–Tetrachloroethane	72
Tetrachloroethene	4 J
Trichloroethene	13

SAMPLE ID	IR06–GW28DW–99A
DATE SAMPLED	1/17/99
1,1–Dichloroethene	12
cis–1,2–Dichloroethene	1,300
Tetrachloroethene	51
trans–1,2–Dichloroethene	450 J
Trichloroethene	4,200
Vinyl chloride	58

SAMPLE ID	IR06–GW01DD–99A
DATE SAMPLED	1/15/99
Trichloroethene	7

SAMPLE ID	IR06–GW01DA–99A
DATE SAMPLED	1/15/99
1,1,2,2–Tetrachloroethane	5 J
Trichloroethene	13

SAMPLE ID	IR06–GW01D–99A
DATE SAMPLED	1/16/99
1,1–Dichloroethene	72
1,2–Dichloroethane	16
Benzene	8
cis–1,2–Dichloroethene	18,000
Methylene chloride	4 J
Tetrachloroethene	390
trans–1,2–Dichloroethene	7,600
Trichloroethene	180,000
Vinyl chloride	520

SAMPLE ID	IR06–GW38D–99A
DATE SAMPLED	1/17/99
cis–1,2–Dichloroethene	5
trans–1,2–Dichloroethene	3 J
Trichloroethene	28

SAMPLE ID	IR06–GW15D–99A
DATE SAMPLED	1/17/99
Trichloroethene	6

6-GW36D
6-GW35D
6-MW30DW
6-GW28DW
IR06–DRW02
6-GW40DWA
6-GW40DW
IR06–DRW03
IR06–DRW04
6-GW27DW
6-GW27DA
6-GW01DA
6-GW01DD
6-GW01D
IR06–DRW01
6-GW37D
6-GW38D
6-GW15D
6-MW03D
CAMP LEJEUNE RAILROAD
PINEY GREEN ROAD
WALLACE CREEK
RAVINE
STORAGE LOT 203
STORAGE LOT 201
624
SITE 82
SITE 6
BEARHEAD CREEK
500 0 250 500
1 inch = 500 ft.
367506LM

Baker
Baker Environmental, Inc.

LEGEND

- DEEP MONITORING WELL
- DEEP RECOVERY WELL
- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- APPROXIMATE SITE BOUNDARY
- FENCING

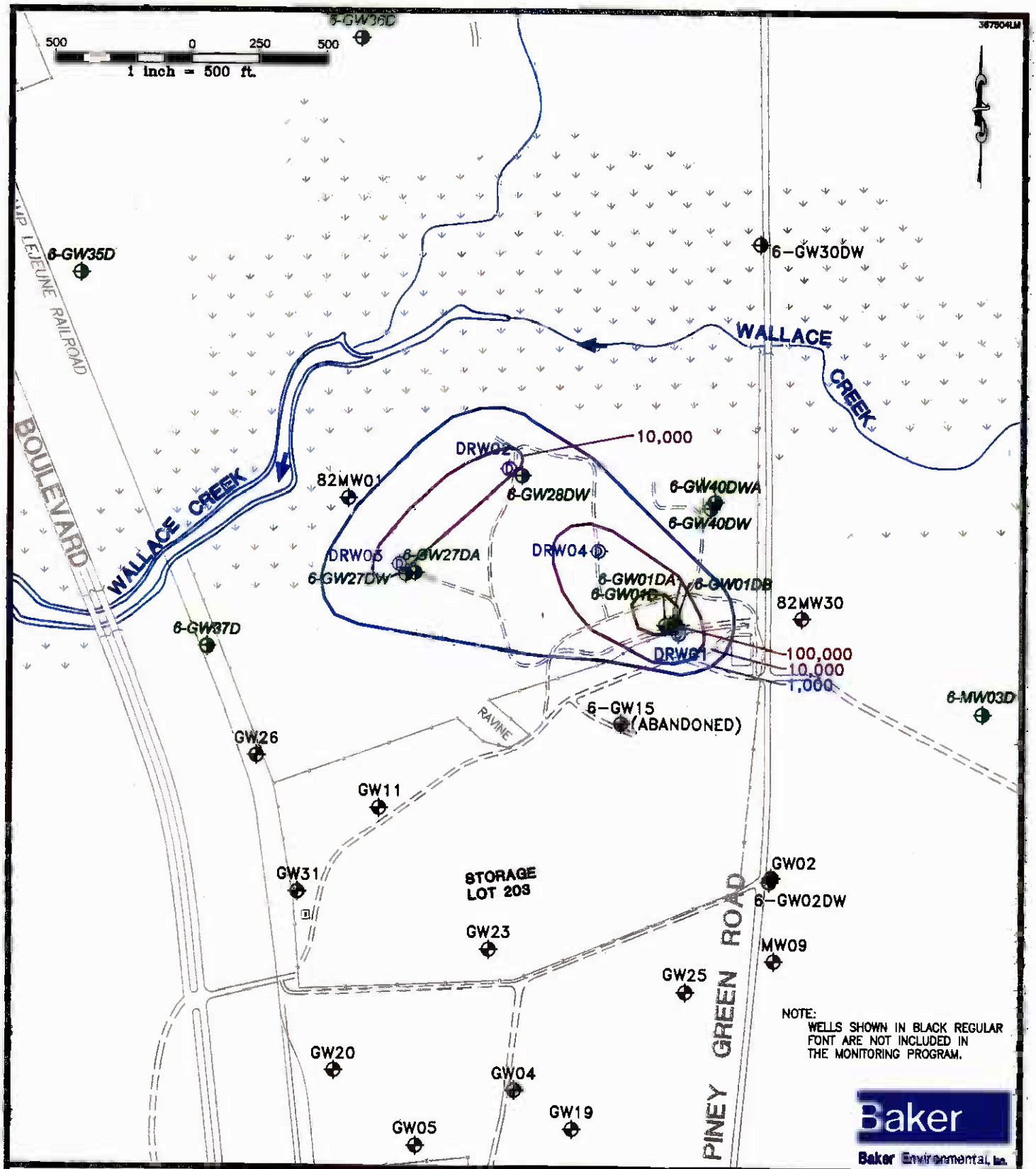
SOURCE: LANTDIV, OCT. 1991

FIGURE 7

VOLATILE ORGANIC COMPOUNDS IN DEEP AQUIFER

OPERABLE UNIT No. 2 – SITES 6 and 82
MONITORING and O&M SUPPORT, CTO–0367

MARINE CORPS BASE, CAMP LEJEUNE
NORTH CAROLINA



LEGEND

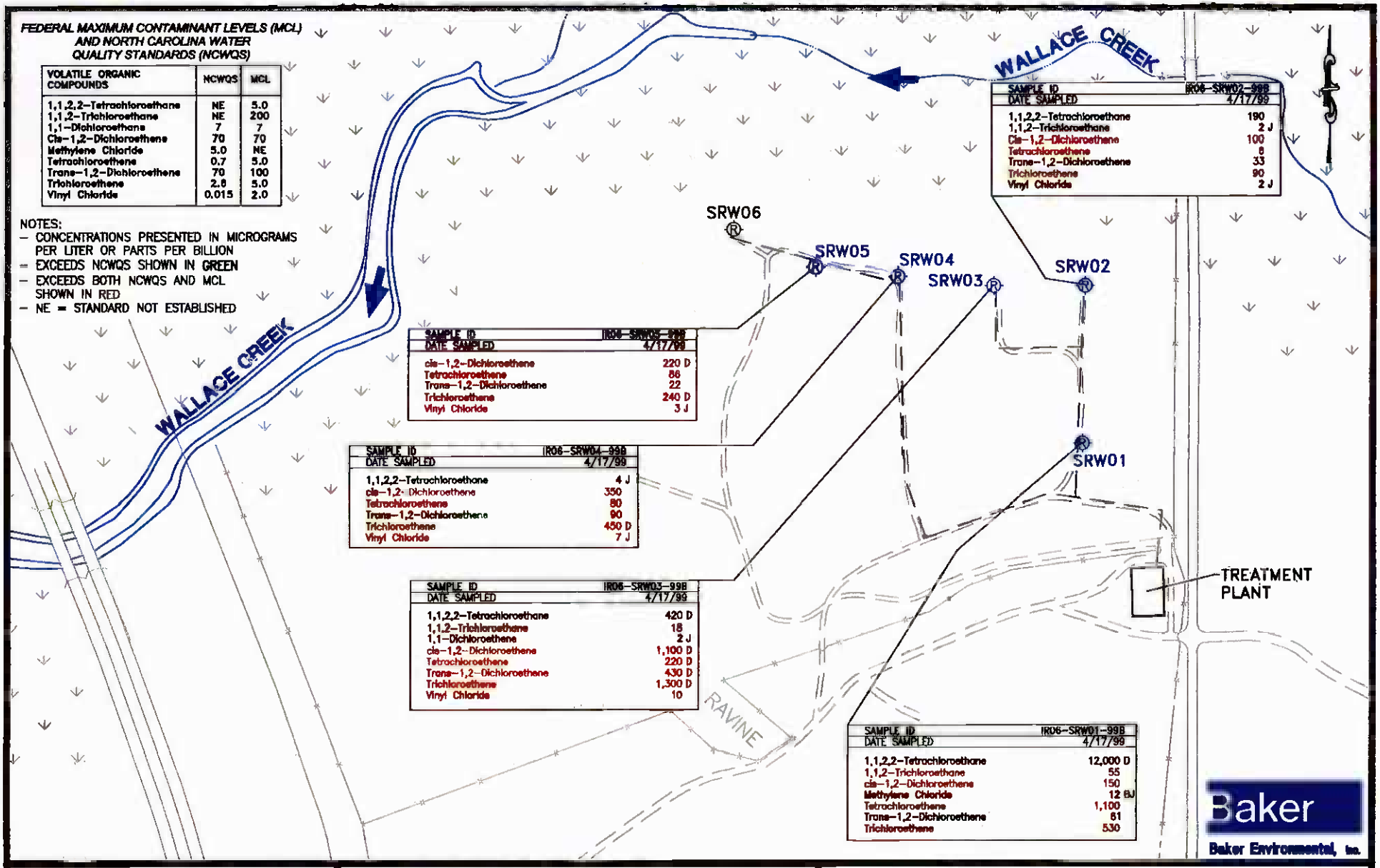
- DEEP MONITORNG WELL
- DEEP RECOVERY WELL
- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- 1,000 APPROXIMATE HORIZONTAL EXTENT OF CONTAMINATION AT TOTAL VOC CONCENTRATION

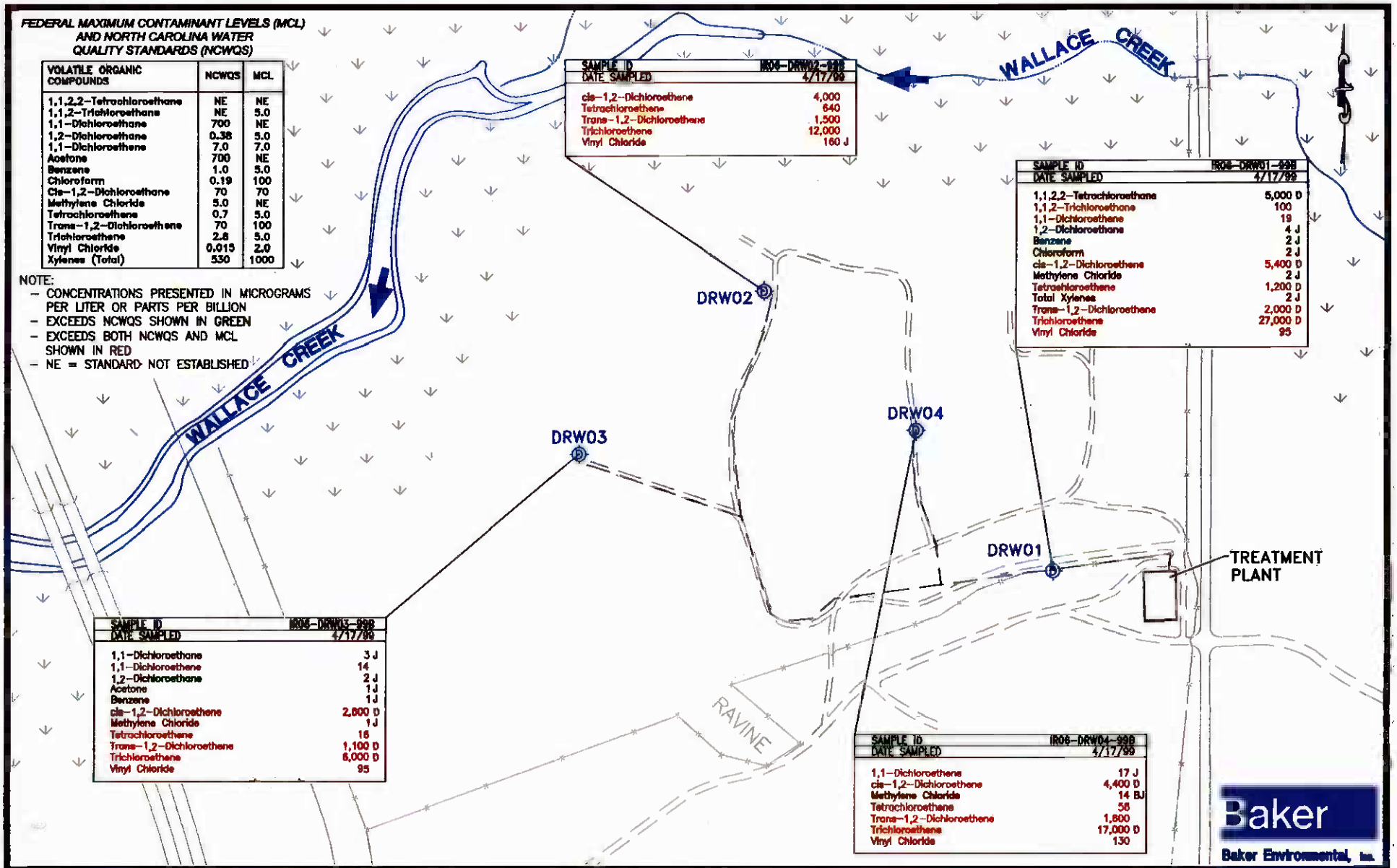
FIGURE 8

VOC CONTOUR MAP – DEEP AQUIFER JANUARY 1999

OPERABLE UNIT No.2 – SITES 6 AND 82
MONITORING AND O&M SUPPORT, CTO-0367

MARINE CORPS BASE, CAMP LEJEUNE
NORTH CAROLINA


FEDERAL MAXIMUM CONTAMINANT LEVELS (MCL) AND NORTH CAROLINA WATER QUALITY STANDARDS (NCWQS)
VOLATILE ORGANIC COMPOUNDS | NCWQS | MCL
1,1,2,2–Tetrachloroethane | NE | 5.0
1,1,2–Trichloroethane | NE | 200
1,1–Dichloroethane | 7 | 7
Cis–1,2–Dichloroethene | 70 | 70
Methylene Chloride | 5.0 | NE
Tetrachloroethene | 0.7 | 5.0
Trans–1,2–Dichloroethene | 70 | 100
Trichloroethene | 2.8 | 5.0
Vinyl Chloride | 0.015 | 2.0
NOTES:
– CONCENTRATIONS PRESENTED IN MICROGRAMS PER LITER OR PARTS PER BILLION
– EXCEEDS NCWQS SHOWN IN GREEN
– EXCEEDS BOTH NCWQS AND MCL SHOWN IN RED
– NE = STANDARD NOT ESTABLISHED
WALLACE CREEK
WALLACE CREEK
SRW06
SRW05
SRW04
SRW03
SRW02
SRW01
SAMPLE ID IR06–SRW02–99B
DATE SAMPLED 4/17/99
1,1,2,2–Tetrachloroethane 190
1,1,2–Trichloroethane 2 J
Cis–1,2–Dichloroethene 100
Tetrachloroethene 8
Trans–1,2–Dichloroethene 33
Trichloroethene 90
Vinyl Chloride 2 J
SAMPLE ID IR06–SRW05–99B
DATE SAMPLED 4/17/99
cis–1,2–Dichloroethene 220 D
Tetrachloroethene 86
Trans–1,2–Dichloroethene 22
Trichloroethene 240 D
Vinyl Chloride 3 J
SAMPLE ID IR06–SRW04–99B
DATE SAMPLED 4/17/99
1,1,2,2–Tetrachloroethane 4 J
cis–1,2–Dichloroethene 350
Tetrachloroethene 80
Trans–1,2–Dichloroethene 90
Trichloroethene 450 D
Vinyl Chloride 7 J
SAMPLE ID IR06–SRW03–99B
DATE SAMPLED 4/17/99
1,1,2,2–Tetrachloroethane 420 D
1,1,2–Trichloroethane 18
1,1–Dichloroethene 2 J
cis–1,2–Dichloroethene 1,100 D
Tetrachloroethene 220 D
Trans–1,2–Dichloroethene 430 D
Trichloroethene 1,300 D
Vinyl Chloride 10
SAMPLE ID IR06–SRW01–99B
DATE SAMPLED 4/17/99
1,1,2,2–Tetrachloroethane 12,000 D
1,1,2–Trichloroethane 55
cis–1,2–Dichloroethene 150
Methylene Chloride 12 BJ
Tetrachloroethene 1,100
Trans–1,2–Dichloroethene 61
Trichloroethene 530
TREATMENT PLANT
RAVINE
Baker
Baker Environmental, Inc.
SCALE
300 0 150 300
1 inch = 300 ft.
LEGEND
ON–LINE SHALLOW RECOVERY WELL
OFF–LINE SHALLOW RECOVERY WELL
SURFACE WATER FLOW DIRECTION
FIGURE 9
VOCs IN GROUNDWATER, SHALLOW
TREATMENT SYSTEM–APRIL 1999
OPERABLE UNIT No. 2 – SITES 6 and 82
MONITORING and O&M SUPPORT, CTO–0367
MARINE CORPS BASE, CAMP LEJEUNE
NORTH CAROLINA
367507LM



SCALE

300 0 150 300

1 inch = 300 ft.

LEGEND

ON–LINE DEEP RECOVERY WELL

SURFACE WATER FLOW DIRECTION

FIGURE 10
VOCs IN GROUNDWATER, DEEP TREATMENT SYSTEM–APRIL 1999
OPERABLE UNIT No. 2 – SITES 6 and 82
MONITORING and O&M SUPPORT, CTO–0367
MARINE CORPS BASE, CAMP LEJEUNE
NORTH CAROLINA

367508LM

ATTACHMENTS

ATTACHMENT A
CHAIN-OF-CUSTODY DOCUMENTATION

JANUARY 1999

COC # 36705-99A

Chain of Custody Record

EA Laboratories
19 Loveton Circle
Sparks, MD 21152
Telephone: (410) 771-4920
Fax: (410) 771-4407

Company Name: Baker Environmental Inc.	Project Manager or Contact: Tom Terbilcock Phone: (412) 269-2015
Project No. Dept.: Task:	Project Name: Camp Lejeune - LTM
Sample Storage Location:	ATO Number:
Page 1 of 2	Report #:

Report Deliverables: 1 2 3 4 D E
EDD: Yes/No
DUE TO CLIENT: _____

1999 Date	Time	Water	Soil	Sample Identification 19 Characters	No. of Containers	TCL Volatiles 8260A	EA Labs Accession Number	Remarks
1/15/99	1310	X		IR06I-GW36D-99IA	3	X		LPM:
1/15	1338	X		IR06I-GW33-99IA	3	X		
1/15	1502	X		IR06I-GW28S-99IA	3	X		
1/15	1600	X		IR06I-GW32-99IA	3	X		
1/15	1650	X		IR06I-GW16-99IA	3	X		
1/15	1520	X		IR06I-SRW04-99IA	3	X		
1/15	1045	X		IR06I-GW41-99IA	3	X		
1/15	1145	X		IR06I-DRW01-99IA	3	X		
1/15	0950	X		IR06I-GW34-99IA	3	X		
1/15	1710	X		IR06I-GW03D-99IA	3	X		
1/15	1220	X		IR06I-GW01DB-99IA	3	X		
1/15	0950	X		IR06I-GW01-99IA	3	X		
1/15	1140	X		IR06I-GW42-99IA	3	X		
1/15	1505	X		IR06I-DRW04-99IA	3	X		
1/15	1425	X		IR06I-SRW01-99IA	3	X		
1/15	1435	X		IR06I-SRW02-99IA	3	X		
1/15	1445	X		IR06I-SRW03-99IA	3	X		
1/15	1530	X		IR06I-GW01DA-99IA	3	X		
1/16	0945	X		IR06I-TB01-99IA	3	X		

Samples by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Relinquished by: (Signature) Ellen Bychek	Date/Time 4/16/99 1210	Received by Laboratory: (Signature)	Date/Time	Airbill Number: 806775914 18	Sample Shipped by: (Circle) Fed Ex. Puro. UPS Hand Carried Other:

Cooler Temp. ___C pH: ☐ Yes ☐ No Comments: Custody Seals Intact ☐ Yes ☐ No

NOTE: Please indicate method number for analyses requested. This will help clarify any questions with laboratory techniques.

WHITE—EA Laboratories YELLOW—EA Laboratories PINK—Project Manager Shaded Areas for Lab Use Only

COC # 36705B-99A

Company Name: Baker Environmental Inc	Project Manager or Contact: Tom Trebilcock Phone: (412)269-2015
Project No. Dept.: Task:	Project Name: Camp Lejeune - LTM
Sample Storage Location:	ATO Number:
Page 2 of 2	Report #:

Parameters/Method Numbers for Analysis

Chain of Custody Record

EA Laboratories
19 Loveton Circle
Sparks, MD 21152
Telephone: (410) 771-4920
Fax: (410) 771-4407

Report Deliverables: 1 2 3 4 D E
EDD: Yes/No
DUE TO CLIENT: _____

Date	Time	Water	Soil	Sample Identification 19 Characters	No. of Containers	TCL Volatiles 8260A	EA Labs Accession Number	Remarks
~~1/16~~	~~0915~~	~~X~~		~~IR78-GW24-99A~~	~~3~~	~~X~~		LPM:
~~1/16~~	~~1000~~	~~X~~		~~IR78-MW01-99A~~	~~3~~	~~X~~		
1/16	0930	X		IR06-GW01D-99A	3	X		
1/16	0920	X		IR06-GW30-99A	3	X		
1/16	1040	X		IR06-MW02-99A	3	X		

Samples by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Relinquished by: (Signature) Ellen Rymsza	Date/Time 1/16/99 1210	Received by Laboratory: (Signature)	Date/Time	Airbill Number: 806775914 18	Sample Shipped by: (Circle) Fed Ex. Puro. UPS Hand Carry Other:

Cooler Temp. 0 C pH: ☐ Yes ☐ No Comments: Custody Seals Intact ☐ Yes ☐ No

NOTE: Please indicate method number for analyses requested. This will help clarify any ions with laboratory techniques.

WHITE - EA Laboratories YELLOW - EA Laboratories PINK - Project Manager Shaded Areas for Lab Use Only

COC # 36706-99A

Company Name:	Project Manager or Contact:
Baker Environmental Inc.	Tom Trebilcock Phone: (412) 269-2015
Project No. Dept.: Task:	Project Name: Camp Lejeune, LTM
Sample Storage Location:	ATO Number:
Page 1 of 3	Report #:

Parameters/Method Numbers for Analysis

Chain of Custody Record

EA Laboratories
19 Loveton Circle
Sparks, MD 21152
Telephone: (410) 771-4920
Fax: (410) 771-4407

Report Deliverables: 1 2 3 4 D E
EDD: Yes/No
DUE TO CLIENT: _____

1999 Date	Time	Water	Soil	Sample Identification 19 Characters	No. of Containers	TCL Volatiles 8260A	TCL Semivolatiles 8270	EA Labs Accession Number	Remarks
1/18	1000	X		IR3 TRIP 1 99A	2	X			LPM:
1/18	0850	X		IR3 GW06 99A	2		X		
1/18	0910	X		IR3 GW02 99A	2		X		
1/17	1525	X		IR76 GW09DW 99A	3	X			
1/17	0845	X		IR76 GW15S 99A	3	X			
1/16	1655	X		IR016-GW317D1-99A	3	X			
1/16	1450	X		IR78 GW31DW 99A	3	X			
1/16	1325	X		IR76 GW31E 99A	3	X			
1/15	1645	X		IR76 TRIP 99A	3	X			
1/15	1150	X		IR016-IR02-99A	3	X			
1/15	0950	X		IR15-GW01 99A	3	X			
1/18	1010	X		IR3 GW13S 99A	3	X			
1/18	0910	X		IR016-GW410DW	3	X			
1/16	1545	X		IR76 GW14 99A	3	X			
1/16	1700	X		IR76 GW23 99A	3	X			
1/18	1210	X		IR3-GW02-99A	3	X			
1/18	1030	X		IR3 GW02DW 99A	3	X			
1/17	1150	X		IR78-GW115-99A	3	X			
1/17	1550	X		IR78-GW07 99A	3	X			
1/17	1345	X		IR78-GW24-99A	3	X			

Samples by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

Relinquished by: (Signature)	Date/Time	Received by Laboratory: (Signature)	Date/Time	Airbill Number:	Sample Shipped by: (Circle)
Ellen Ryeble	1/19/99 1505			806677591602	Fed Ex. Puro. UPS Hand Carried Other:

Cooler Temp. ____C pH: ☐ Yes ☐ No Comments: Custody Seals Intact ☐ Yes ☐ No

NOTE: Please indicate method number for analyses requested. This will help clarify any questions with laboratory techniques.

WHITE—EA Laboratories YELLOW—EA Laboratories PINK—Project Manager *Shaded Areas for Lab Use Only*

COC # 36706 B - 99A

Company Name: Baker Environmental	Project Manager or Contact: Tom Tebbitcock Phone: (412) 269-2015
Project No. Dept.: Task:	Project Name: Camp Lejeune - LTM
Sample Storage Location:	ATO Number:
Page 2 of 3	Report #:

Parameters/Method Numbers for Analysis

Chain of Custody Record

EA Laboratories
19 Loveton Circle
Sparks, MD 21152
Telephone: (410) 771-4920
Fax: (410) 771-4407

Report Deliverables: 1 2 3 4 D E
EDD: Yes/No
DUE TO CLIENT: _____

1999 Date	Time	Water	Soil	Sample Identification 19 Characters	No. of Containers	TCL Volatiles	EA Labs Accession Number	Remarks
1/17	1215	X		IR16-GW17-99A	3	X		LPM:
1/17	1553	X		IR16-GW05-99A	3	X		
1/17	1530	X		IR16-GW04-99A	3	X		
1/17	0930	X		IR16-GW11-99A	3	X		
1/17	0945	X		IR16-GW10-99A	3	X		
1/17	1020	X		IR16-GW04-99A	3	X		
1/17	0915	X		IR16-GW10-99A	3	X		
1/17	1626	X		IR16-GW11-99A	3	X		
1/17	1610	X		IR16-GW16-99A	3	X		
1/17	1650	X		IR16-GW15-99A	3	X		
1/17	1515	X		IR16-GW16-99A	3	X		
1/17	0940	X		IR16-DRW012-99A	3	X		
1/17	1505	X		IR16-GW38D-99A	3	X		
1/17	1655	X		IR16-GW15D-99A	3	X		
1/17	0915	X		IR16-SRW05-99A	3	X		
1/16	1230	X		IR16-IR2GW03-99A	3	X		
1/17	1045	X		IR16-GW26DW-99A	3	X		
1/18	1130	X		IR15-GW11DW-99A	3	X		

Samples by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Relinquished by: (Signature) Ellen Blaible	Date/Time 1/18/99 1405	Received by Laboratory: (Signature)	Date/Time	Airbill Number: 806677591602	Sample Shipped by: (Circle) Fed Ex. Puro. UPS Hand Carried Other:

Cooler Temp. ___C pH: ☐ Yes ☐ No Comments: Custody Seals Intact ☐ Yes ☐ No

NOTE: Please indicate method number for analyses requested. This will help clarify ar...tions with laboratory techniques.

WHITE—EA Laboratories YELLOW—EA Laboratories PINK—Project Manager Shaded Areas for Lab Use Only

COC # 36706C - 99A

Chain of Custody Record

EA Laboratories
19 Loveton Circle
Sparks, MD 21152
Telephone: (410) 771-4920
Fax: (410) 771-4407

Company Name: Baker Environmental	Project Manager or Contact: Tom Trebilcock Phone: (412) 269-2015
Project No. Dept.: Task:	Project Name: Camp Lejeune - LTM
Sample Storage Location:	ATO Number:
Page 3 of 3	Report #:

Parameters/Method Numbers for Analysis

Report Deliverables: 1 2 3 4 D E
EDD: Yes/No
DUE TO CLIENT: ____________

Date (1999)	Time	Water	Soil	Sample Identification 19 Characters	No. of Containers	TCL Volatiles 8260A	EA Labs Accession Number	Remarks
~~1/19~~	~~1535~~	~~X~~		~~IR[illegible]-GW[illegible]-99A~~	~~3~~	~~X~~		LPM:
~~1/1[illegible]~~	~~15[illegible]~~	~~X~~		~~IR[illegible]-GW[illegible]-99A~~	~~3~~	~~X~~		
~~1/18~~	~~0850~~	~~X~~		~~IR35-GW11-99A~~	~~3~~	~~X~~		
1/17	1210	X		IR06-GW35D-99A	3	X		
1/16	1515	X		IR06-GW03-99A	3	X		
1/16	1230	X		IR06-DRW03-99A	3	X		
1/16	1550	X		IR06-GW27DW-99A	3	X		
1/16	1330	X		IR06-GW27DA-99A	3	X		
~~1/16~~	~~1520~~	~~X~~		~~IR35-GW[illegible]-99A~~	~~3~~	~~X~~		
~~1/18~~	~~[illegible]~~	~~X~~		~~IR01-GW[illegible]-99A~~	~~3~~	~~X~~		
~~1/18~~	~~1235~~	~~X~~		~~IR01-GW10-99A~~	~~3~~	~~X~~		
~~1/18~~	~~[illegible]~~	~~X~~		~~IR01-[illegible]-99A~~	~~3~~	~~X~~		

Sampled by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Relinquished by: (Signature) Ellen Brekke	Date/Time 1/18/99 1505	Received by Laboratory: (Signature)	Date/Time	Airbill Number: 806677591602	Sample Shipped by: (Circle) Fed Ex. Puro. UPS Hand Carried Other:

Cooler Temp. 0 C pH: ☐ Yes ☐ No Comments: Custody Seals Intact ☐ Yes ☐ No

NOTE: Please indicate method number for analyses requested. This will help clarify any questions with laboratory techniques.

WHITE—EA Laboratories YELLOW—EA Laboratories PINK—Project Manager *Shaded Areas for Lab Use Only*

APRIL 1999

Company Name: Baker	Project Manager: ~~John~~ Andy Tom Trebitsch Phone: (412)269-~~2018~~ 2060
Project No.:	Project Name: CAMP LEJEUNE_LTM ~~OU No. 6 Site 54~~
Dept.: Task:	
Sample Storage Location:	ATO Number:
Page 1 of 1	**Report #:**

Parameters/Method Numbers for Analysis: 62470-367-07-99B

Chain of Custody Record

EA Laboratories
19 Loveton Circle
~~Sparks, MD 21152~~
~~Telephone: (410) 771-4920~~
~~Fax: (410) 771-4077~~

Report Deliverables:
4D
EDD: EA STANDARD DBASE

DUE TO CLIENT: ________

Date (1999)	Time	Water	Soil	Sample Identification 19 Characters	No. of Containers	TCL Volatiles by 8260A	Dissolved Gases Method RSK 175	Nitrate 300.0	TOC Walkley Black	Nitrite 300.0	NH3 350.2	Orthophosphate 300.0	Sulfate 300.0	Semivolatiles 8270	MS/MSD SAMPLE	EA Labs Accession Number	Remarks
4/17	1805	X		IR0161-~~SRW05~~1-99B (SRWC5)	3	X											LPM: MEA
4/17	1845	X		IR0161-DRWC31-99B	3	X											EAL-PS90
~~4/17~~	~~[illegible]~~	~~X~~		~~[illegible]~~	~~3~~	~~X~~											
4/17	1855	X		IR0061-DRWC11-99B	3	X											
~~4/17~~	~~[illegible]~~	~~X~~		~~[illegible]~~	~~3~~	~~X~~											
~~4/16~~	~~[illegible]~~	~~X~~		~~[illegible]~~	~~3~~	~~X~~											
~~4/16~~	~~[illegible]~~	~~X~~		~~[illegible]~~	~~3~~	~~X~~											
~~4/16~~	~~[illegible]~~	~~X~~		~~[illegible]~~	~~3~~	~~X~~											
~~4/16~~	~~1725~~	~~X~~		~~[illegible]~~	~~3~~	~~X~~											
4/17	1745	X		IR0161-SRWC31-99B	3	X											
4/17	1810	X		IR0161-DRWC41-99B	3	X											
4/17	1825	X		IR0161-SRWC41-99B	3	X											
4/17	1840	X		IR0161-SRWC61-99B	3	X											

Samples by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Relinquished by: (Signature) Ellen Bjerklie	Date/Time 4/20/99 1700	Received by Laboratory: (Signature)	Date/Time	Airbill Number:	Sample Shipped by: (Circle) Fed Ex. Puro. UPS Hand Carried Other:

Cooler Temp. ______ **C pH:** ___ **Yes** ___ **No Comments:** **Custody Seals Intact** ___ **Yes** ___ **No**

NOTE: Please indicate method number for analyses requested. This will help clarify any questions with laboratory techniques.

Shaded Areas for Lab Use Only

4/20/99 1630 1R06-JB01-99B ?? call lab

ATTACHMENT B
MONITORING PROGRAM ANALYTICAL RESULTS

JANUARY 1999

GROUNDWATER ANALYTICAL RESULTS
OPERABLE UNIT NO. 2 - SITES 6 & 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

SAMPLE ID	IR06-82GW02-99A	IR06-82GW03-99A	IR06-DRW01-99A	IR06-DRW02-99A	IR06-DRW03-99A	IR06-DRW04-99A	IR06-GW01-99A
DATE SAMPLED	1/16/99	1/16/99	1/15/99	1/17/99	1/16/99	1/15/99	1/15/99
VOLATILES (ug/L)							
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5,800	38	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	98	16	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	29	20	14	34	5 U
1,2-Dichloroethane	5 U	5 U	5 U	4 J	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	5 U	5 U	5 U	11	5 U	5 U	5 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromomethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5 U	5 U	2,900	4,100	3,000	2,800	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	5 U	5 U	5 U	5 U	5 U	1,600	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5 U	5 U	790 J	520	15	66	6
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	5 U	5 U	990 J	1,600	1,200	1,100	5 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	38	5 U	21,000	11,000	6,500	15,000	5 U
Vinyl chloride	5 U	5 U	120	160	66	240	5 U
Xylenes	5 U	5 U	5 U	5 U	5 U	5 U	5 U

GROUNDWATER ANALYTICAL RESULTS
OPERABLE UNIT NO. 2 - SITES 6 & 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

SAMPLE ID	IR06-GW01D-99A	IR06-GW01DA-99A	IR06-GW01DB-99A	IR06-GW03-99A	IR06-GW03D-99A	IR06-GW15D-99A	IR06-GW16-99A
DATE SAMPLED	1/16/99	1/15/99	1/15/99	1/16/99	1/15/99	1/17/99	1/15/99
VOLATILES (ug/L)							
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 J	5 U	5 U	72	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	72	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	18	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	8	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromomethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	8	5 U	5 U	5 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	18,000	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	4 J	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	390	5 U	5 U	5 U	4 J	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	6
trans-1,2-Dichloroethene	7,600	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	180,000	13	7	5 U	13	6	5 U
Vinyl [illegible]ide	520	5 U	5 U	5 U	5 U	5 U	5 U
Xyle[illegible]	5 U	5 U	[illegible] U	5 U	5 U	5 U	5 U

GROUNDWATER ANALYTICAL RESULTS
OPERABLE UNIT NO. 2 - SITES 6 & 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

SAMPLE ID	IR06-GW27DA-99A	IR06-GW27DW-99A	IR06-GW28DW-99A	IR06-GW28S-99A	IR06-GW30-99A	IR06-GW32-99A	IR06-GW33-99A
DATE SAMPLED	1/16/99	1/16/99	1/17/99	1/15/99	1/16/99	1/15/99	1/15/99
VOLATILES (ug/L)							
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	4 J	12	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromomethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5 U	1,800	1,300	55	10	82	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5 U	5 U	51	68	9	10	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	5 U	600	450 J	18	8	29	5 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	14	2,100	4,200	230	150	210	5 U
Vinyl chloride	5 U	43	58	5 U	5 U	5 U	5 U
Xylenes	5 U	5 U	5 U	5 U	5 U	5 U	5 U

GROUNDWATER ANALYTICAL RESULTS
OPERABLE UNIT NO. 2 - SITES 6 & 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

SAMPLE ID	IR06-GW34-99A	IR06-GW35D-99A	IR06-GW36D-99A	IR06-GW37D-99A	IR06-GW38D-99A	IR06-GW40DW-99A	IR06-GW41-99A	IR06-GW42-99A
DATE SAMPLED	1/15/99	1/17/99	1/15/99	1/16/99	1/17/99	1/18/99	1/15/99	1/15/99
VOLATILES (ug/L)								
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	7,800	5 U	5 U	5 U	5 U	5 U	47	5 U
1,1,2-Trichloroethane	40	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	5 U	5 U	5 U	4 J	5 U	5 U	5 U	5 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromomethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	110	5 U	5 U	270	5	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	430	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	350	5 U	5 U	7	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	56	5 U	5 U	3 J	3 J	5 U	5 U	5 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	440	5 U	5 U	10	28	7	9	5 U
Vinyl chloride	5 U	5 U	5 U	30	5 U	5 U	5 U	5 U
Xylenes	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

GROUNDWATER ANALYTICAL RESULTS
OPERABLE UNIT NO. 2 - SITES 6 & 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

SAMPLE ID	IR06-SRW01-99A	IR06-SRW02-99A	IR06-SRW03-99A	IR06-SRW04-99A	IR06-SRW05-99A
DATE SAMPLED	1/15/99	1/15/99	1/15/99	1/15/99	1/17/99
VOLATILES (ug/L)					
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	11,000	96	620	5 U	5 U
1,1,2-Trichloroethane	53	5 U	19	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U	10 U
Acetone	10 U	10 U	10 U	10 U	10 U
Benzene	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U
Bromomethane	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U
Chloroform	5	5 U	5 U	5 U	5 U
Chloromethane	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	170	25	860	1,500	300
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U
Methylene chloride	840	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	680	8	180	86	64
Toluene	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	89	6	270	280	19
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U
Trichloroethene	770	30	520	960	200
Vinyl chloride	5 U	5 U	22	79	8
Xylenes	5 U	5 U	5 U	5 U	5 U

APRIL 1999

GROUNDWATER ANALYTICAL RESULTS
OPERABLE UNIT NO. 2 - SITES 6 & 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

SAMPLE ID	IR06-DRW01-99B	IR06-DRW02-99B	IR06-DRW03-99B	IR06-DRW04-99B	IR06-SRW01-99B
SAMPLE DATE	4/17/99	4/17/99	4/17/99	4/17/99	4/17/99
VOLATILES (ug/L)					
1,1,1-Trichloroethane	5 U	500 U	5 U	50 U	50 U
1,1,2,2-Tetrachloroethane	5,000 D	500 U	5 U	50 U	12,000 D
1,1,2-Trichloroethane	100	500 U	5 U	50 U	55
1,1-Dichloroethane	5 U	500 U	3 J	50 U	50 U
1,1-Dichloroethene	19	500 U	14	17 J	50 U
1,2-Dichloroethane	4 J	500 U	2 J	50 U	50 U
1,2-Dichloropropane	5 U	500 U	5 U	50 U	50 U
2-Butanone	10 U	1,000 U	10 U	100 U	100 U
2-Hexanone	10 U	1,000 U	10 U	100 U	100 U
4-Methyl-2-Pentanone	10 U	1,000 U	10 U	100 U	100 U
Acetone	10 U	1,000 U	1 J	100 U	100 U
Benzene	2 J	500 U	1 J	50 U	50 U
Bromodichloromethane	5 U	500 U	5 U	50 U	50 U
Bromoform	5 U	500 U	5 U	50 U	50 U
Bromomethane	5 U	500 U	5 U	50 U	50 U
Carbon Disulfide	5 U	500 U	5 U	50 U	50 U
Carbon Tetrachloride	5 U	500 U	5 U	50 U	50 U
Chlorobenzene	5 U	500 U	5 U	50 U	50 U
Chloroethane	5 U	500 U	5 U	50 U	50 U
Chloroform	2 J	500 U	5 U	50 U	50 U
Chloromethane	5 U	500 U	5 U	50 U	50 U
cis-1,2-Dichloroethene	5,400 D	4,000	2,600 D	4,400 D	150
cis-1,3-Dichloropropene	5 U	500 U	5 U	50 U	50 U
Dibromochloromethane	5 U	500 U	5 U	50 U	50 U
Ethylbenzene	5 U	500 U	5 U	50 U	50 U
Methylene Chloride	2 J	500 U	1 J	14 BJ	12 BJ
Styrene	5 U	500 U	5 U	50 U	50 U
Tetrachloroethene	1,200 D	640	16	56	1,100
Toluene	5 U	500 U	5 U	50 U	50 U
Total Xylenes	2 J	1,500 U	15 U	150 U	150 U
Trans-1,2-Dichloroethene	2,000 D	1,500	1,100 D	1,600	61
Trans-1,3-Dichloropropene	5 U	500 U	5 U	50 U	50 U
Trichloroethene	27,000 D	12,000	6,000 D	17,000 D	530
Vinyl Chloride	95	160 J	95	130	50 U

GROUNDWATER ANALYTICAL RESULTS
OPERABLE UNIT NO. 2 - SITES 6 & 82
MONITORING AND O&M SUPPORT, CTO-0367
MCB, CAMP LEJEUNE, NORTH CAROLINA

SAMPLE ID	IR06-SRW02-99B	IR06-SRW03-99B	IR06-SRW04-99B	IR06-SRW05-99B
SAMPLE DATE	4/17/99	4/17/99	4/17/99	4/17/99
VOLATILES (ug/L)				
1,1,1-Trichloroethane	5 U	5 U	10 U	5 U
1,1,2,2-Tetrachloroethane	190	420 D	4 J	5 U
1,1,2-Trichloroethane	2 J	18	10 U	5 U
1,1-Dichloroethane	5 U	5 U	10 U	5 U
1,1-Dichloroethene	5 U	2 J	10 U	5 U
1,2-Dichloroethane	5 U	5 U	10 U	5 U
1,2-Dichloropropane	5 U	5 U	10 U	5 U
2-Butanone	10 U	10 U	20 U	10 U
2-Hexanone	10 U	10 U	20 U	10 U
4-Methyl-2-Pentanone	10 U	10 U	20 U	10 U
Acetone	10 U	10 U	20 U	10 U
Benzene	5 U	5 U	10 U	5 U
Bromodichloromethane	5 U	5 U	10 U	5 U
Bromoform	5 U	5 U	10 U	5 U
Bromomethane	5 U	5 U	10 U	5 U
Carbon Disulfide	5 U	5 U	10 U	5 U
Carbon Tetrachloride	5 U	5 U	10 U	5 U
Chlorobenzene	5 U	5 U	10 U	5 U
Chloroethane	5 U	5 U	10 U	5 U
Chloroform	5 U	5 U	10 U	5 U
Chloromethane	5 U	5 U	10 U	5 U
cis-1,2-Dichloroethene	100	1,100 D	350	220 D
cis-1,3-Dichloropropene	5 U	5 U	10 U	5 U
Dibromochloromethane	5 U	5 U	10 U	5 U
Ethylbenzene	5 U	5 U	10 U	5 U
Methylene Chloride	5 U	5 U	10 U	5 U
Styrene	5 U	5 U	10 U	5 U
Tetrachloroethene	6	220 D	80	86
Toluene	5 U	5 U	10 U	5 U
Total Xylenes	15 U	15 U	30 U	15 U
Trans-1,2-Dichloroethene	33	430 D	90	22
Trans-1,3-Dichloropropene	5 U	5 U	10 U	5 U
Trichloroethene	90	1,300 D	450 D	240 D
Vinyl Chloride	2 J	10	7 J	3 J

ATTACHMENT C
ANALYTICAL LABORATORY DATA SHEETS

JANUARY 1999

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-GW37D-99A

Lab Name: EA LABORATORIES Contract: 990035

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: #9900250

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9393.D

Level: (low/med) _____ Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 1/26/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	30	
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
156-59-2	cis-1,2-Dichloroethene	310	E
156-60-5	trans-1,2-Dichloroethene	3	J
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	4	J
79-01-6	Trichloroethene	10	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	7	
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
95-47-6	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-GW37D-99A

Lab Name: EA LABORATORIES Contract: 990035

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: #9900250

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9393.D

Level: (low/med) _____ Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 1/26/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-GW37D-99ADL

Lab Name: EA LABORATORIES Contract: 990035

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: #9900250DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9400.D

Level: (low/med) _____ Date Received: 1/19/98

% Moisture: not dec. 0 Date Analyzed: 1/27/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	25	U
75-01-4	Vinyl Chloride	23	JD
74-83-9	Bromomethane	25	U
75-00-3	Chloroethane	25	U
67-64-1	Acetone	50	U
75-35-4	1,1-Dichloroethene	25	U
75-09-2	Methylene Chloride	25	U
75-15-0	Carbon Disulfide	25	U
156-59-2	cis-1,2-Dichloroethene	270	D
156-60-5	trans-1,2-Dichloroethene	25	U
75-34-3	1,1-Dichloroethane	25	U
78-93-3	2-Butanone	50	U
67-66-3	Chloroform	25	U
71-55-6	1,1,1-Trichloroethane	25	U
56-23-5	Carbon Tetrachloride	25	U
107-06-2	1,2-Dichloroethane	25	U
71-43-2	Benzene	25	U
79-01-6	Trichloroethene	25	U
78-87-5	1,2-Dichloropropane	25	U
75-27-4	Bromodichloromethane	25	U
108-10-1	4-Methyl-2-Pentanone	50	U
10061-01-5	cis-1,3-Dichloropropene	25	U
108-88-3	Toluene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
79-00-5	1,1,2-Trichloroethane	25	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	25	U
124-48-1	Chlorodibromomethane	25	U
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	25	U
95-47-6	Xylenes (total)	25	U
100-42-5	Styrene	25	U
75-25-2	Bromoform	25	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: IR06-GW37D-99ADL

Lab Name: EA LABORATORIES Contract: 990035

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: #9900250DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9400.D

Level: (low/med) _____ Date Received: 1/19/98

% Moisture: not dec. 0 Date Analyzed: 1/27/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	25	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: IR06-TB02-99A

Lab Name: EA LABORATORIES Contract: 990035

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: #9900254

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9404.D

Level: (low/med) _____ Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 1/27/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
95-47-6	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-TB02-99A

Lab Name: EA LABORATORIES Contract: 990035

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900254

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9404.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 1/27/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-GW40DW-99A

Lab Name: EA LABORATORIES Contract: 990035

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: #9900257

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9407.D

Level: (low/med) _____ Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 1/27/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	7	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
95-47-6	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-GW40DW-99A

Lab Name: EA LABORATORIES Contract: 990035

Lab Code: EA ENG Case No.: ______ SAS No.: ______ SDG No.: ______

Matrix: (soil/water) WATER Lab Sample ID: #9900257

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9407.D

Level: (low/med) ______ Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 1/27/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: ______ (uL) Soil Aliquot Volume: ______ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5	U

FORM I VOA

3/90

030074

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: IR3-GW06-99A

Lab Name: EA LABORATORIES, INC. Contract:

Lab Code: EALAB Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900246

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: SC3C3025.D

Level: (low/med) Date Received: 1/19/99

% Moisture: 0 decanted: (Y/N): N Date Extracted: 1/21/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitrosodi-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	89	
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	16	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: IR3-GW06-99A

Lab Name: EA LABORATORIES, INC. Contract:

Lab Code: EALAB Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900246

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: SC3C3025.D

Level: (low/med) Date Received: 1/19/99

% Moisture: 0 decanted: (Y/N): N Date Extracted: 1/21/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	J
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl phenylether	10	U
86-73-7	Fluorene	11	
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	
120-12-7	Anthracene	10	U
86-74-8	Carbazole	3	J
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-DRW02-99A

Lab Name: EA LABORATORIES Contract: 990036

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: #9900276

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9446.D

Level: (low/med) _____ Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 1/29/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	160	
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	20	
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
156-59-2	cis-1,2-Dichloroethene	3100	E
156-60-5	trans-1,2-Dichloroethene	1800	E
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	4	J
71-43-2	Benzene	11	
79-01-6	Trichloroethene	4000	E
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	16	
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	590	E
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
95-47-6	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-DRW02-99A

Lab Name: EA LABORATORIES Contract: 990036

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900276

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9446.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 1/29/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	38	

030102

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-DRW02-99ADL

Lab Name: EA LABORATORIES Contract: 990036

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900276DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9503.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 2/3/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	500	U
75-01-4	Vinyl Chloride	500	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	500	U
67-64-1	Acetone	1000	U
75-35-4	1,1-Dichloroethene	500	U
75-09-2	Methylene Chloride	500	U
75-15-0	Carbon Disulfide	500	U
156-59-2	cis-1,2-Dichloroethene	4100	D
156-60-5	trans-1,2-Dichloroethene	1600	D
75-34-3	1,1-Dichloroethane	500	U
78-93-3	2-Butanone	1000	U
67-66-3	Chloroform	500	U
71-55-6	1,1,1-Trichloroethane	500	U
56-23-5	Carbon Tetrachloride	500	U
107-06-2	1,2-Dichloroethane	500	U
71-43-2	Benzene	500	U
79-01-6	Trichloroethene	11000	D
78-87-5	1,2-Dichloropropane	500	U
75-27-4	Bromodichloromethane	500	U
108-10-1	4-Methyl-2-Pentanone	1000	U
10061-01-5	cis-1,3-Dichloropropene	500	U
108-88-3	Toluene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
591-78-6	2-Hexanone	1000	U
127-18-4	Tetrachloroethene	520	D
124-48-1	Chlorodibromomethane	500	U
108-90-7	Chlorobenzene	500	U
100-41-4	Ethylbenzene	500	U
95-47-6	Xylenes (total)	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-DRW02-99ADL

Lab Name: EA LABORATORIES Contract: 990036

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900276DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9503.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 2/3/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	500	U

070312

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-GW38D-99A

Lab Name: EA LABORATORIES Contract: 990036

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900277

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9447.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 1/29/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
156-59-2	cis-1,2-Dichloroethene	5	
156-60-5	trans-1,2-Dichloroethene	3	J
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	28	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
95-47-6	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-GW38D-99A

Lab Name: EA LABORATORIES Contract: 990036

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: #9900277

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9447.D

Level: (low/med) _____ Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 1/29/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-GW15D-99A

Lab Name: EA LABORATORIES Contract: 990036

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: #9900278

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9448.D

Level: (low/med) _____ Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 1/29/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	6	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
95-47-6	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-GW15D-99A

Lab Name: EA LABORATORIES Contract: 990036

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900278

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9448.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 1/29/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-SRW05-99A

Lab Name: EA LABORATORIES Contract: 990036

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900279

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9449.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 1/29/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	8	
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
156-59-2	cis-1,2-Dichloroethene	380	E
156-60-5	trans-1,2-Dichloroethene	19	
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	250	E
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	64	
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
95-47-6	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-SRW05-99A

Lab Name: EA LABORATORIES Contract: 990036

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900279

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9449.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 1/29/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-SRW05-99ADL

Lab Name: EA LABORATORIES Contract: 990036

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: #9900279DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9501.D

Level: (low/med) _____ Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 2/3/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	50	U
75-01-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
67-64-1	Acetone	100	U
75-35-4	1,1-Dichloroethene	50	U
75-09-2	Methylene Chloride	50	U
75-15-0	Carbon Disulfide	50	U
156-59-2	cis-1,2-Dichloroethene	300	D
156-60-5	trans-1,2-Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
78-93-3	2-Butanone	100	U
67-66-3	Chloroform	50	U
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon Tetrachloride	50	U
107-06-2	1,2-Dichloroethane	50	U
71-43-2	Benzene	50	U
79-01-6	Trichloroethene	200	D
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
108-10-1	4-Methyl-2-Pentanone	100	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-88-3	Toluene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
591-78-6	2-Hexanone	100	U
127-18-4	Tetrachloroethene	51	D
124-48-1	Chlorodibromomethane	50	U
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
95-47-6	Xylenes (total)	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-SRW05-99ADL

Lab Name: EA LABORATORIES Contract: 990036

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900279DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9501.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 2/3/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-82GW03-99A

Lab Name: EA LABORATORIES Contract: 990036

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: #9900280

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9450.D

Level: (low/med) _____ Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 1/29/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
95-47-6	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-82GW03-99A

Lab Name: EA LABORATORIES   Contract: 990036

Lab Code: EA ENG   Case No.: ____   SAS No.: ____   SDG No.: ____

Matrix: (soil/water) WATER   Lab Sample ID: #9900280

Sample wt/vol: 5.0 (g/mL) ML   Lab File ID: VH8B9450.D

Level: (low/med) ____   Date Received: 1/19/99

% Moisture: not dec. 0   Date Analyzed: 1/29/99

GC Column: RTX 502.2   ID: 0.53 (mm)   Dilution Factor: 1.0

Soil Extract Volume: ____ (uL)   Soil Aliquot Volume: ____ (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound	Concentration (ug/L)	Q
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-82GW03-99ARE

Lab Name: EA LABORATORIES Contract: 990036

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900280RE

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9497.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 2/3/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
95-47-6	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-82GW03-99ARE

Lab Name: EA LABORATORIES Contract: 990036

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900280RE

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9497.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 2/3/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-GW28DW-99A

Lab Name: EA LABORATORIES Contract: 990036

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900281

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9451.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 1/29/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	58	
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	12	
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
156-59-2	cis-1,2-Dichloroethene	1400	E
156-60-5	trans-1,2-Dichloroethene	610	E
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	2800	E
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	51	
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
95-47-6	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-GW28DW-99A

Lab Name: EA LABORATORIES Contract: 990036

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: #9900281

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9451.D

Level: (low/med) _____ Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 1/29/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound	5	Q
79-34-5	1,1,2,2-Tetrachloroethane		U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-GW28DW-99ADL

Lab Name: EA LABORATORIES Contract: 990036

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: #9900281DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9504.D

Level: (low/med) _____ Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 2/3/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 100.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	500	U
75-01-4	Vinyl Chloride	500	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	500	U
67-64-1	Acetone	1000	U
75-35-4	1,1-Dichloroethene	500	U
75-09-2	Methylene Chloride	500	U
75-15-0	Carbon Disulfide	500	U
156-59-2	cis-1,2-Dichloroethene	1300	D
156-60-5	trans-1,2-Dichloroethene	450	JD
75-34-3	1,1-Dichloroethane	500	U
78-93-3	2-Butanone	1000	U
67-66-3	Chloroform	500	U
71-55-6	1,1,1-Trichloroethane	500	U
56-23-5	Carbon Tetrachloride	500	U
107-06-2	1,2-Dichloroethane	500	U
71-43-2	Benzene	500	U
79-01-6	Trichloroethene	4200	D
78-87-5	1,2-Dichloropropane	500	U
75-27-4	Bromodichloromethane	500	U
108-10-1	4-Methyl-2-Pentanone	1000	U
10061-01-5	cis-1,3-Dichloropropene	500	U
108-88-3	Toluene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
591-78-6	2-Hexanone	1000	U
127-18-4	Tetrachloroethene	500	U
124-48-1	Chlorodibromomethane	500	U
108-90-7	Chlorobenzene	500	U
100-41-4	Ethylbenzene	500	U
95-47-6	Xylenes (total)	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06-GW28DW-99ADL

Lab Name: EA LABORATORIES Contract: 990036

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: #9900281DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VH8B9504.D

Level: (low/med) _____ Date Received: 1/19/99

% Moisture: not dec. 0 Date Analyzed: 2/3/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 100.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	500	U

000156

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-GW36D-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9900189

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1036.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-GW33-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900190

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1037.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

2/9/99

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-GW28S-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900191

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1038.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	18	
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	55	
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	250	E
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	68	
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-GW28S-99ADL

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9900191DL

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1178.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. Date Analyzed: 2/1/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
67-64-1	Acetone	20	U
75-35-4	1,1-Dichloroethene	10	U
75-09-2	Methylene Chloride	9	JD
75-15-0	Carbon Disulfide	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	20	U
156-60-5	trans-1,2-Dichloroethene	14	D
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	39	D
107-06-2	1,2-Dichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	230	D
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	20	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	70	D
124-48-1	Chlorodibromomethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylenes (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-GW32-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9900192

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1039.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	29	
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	82	
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	250	E
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-GW32-99ADL

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900192DL

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1179.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 2/1/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
67-64-1	Acetone	20	U
75-35-4	1,1-Dichloroethene	10	U
75-09-2	Methylene Chloride	9	JD
75-15-0	Carbon Disulfide	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	20	U
156-60-5	trans-1,2-Dichloroethene	17	D
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	51	D
107-06-2	1,2-Dichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	210	D
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	20	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	9	JD
124-48-1	Chlorodibromomethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylenes (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-GW16-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9900193

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1040.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	6	
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-SRW04-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900194

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1041.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	79	
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	470	E
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	960	E
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	890	E
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	86	
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-SRW04-99ADL

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9900194DL

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1127.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. Date Analyzed: 1/28/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	50	U
75-01-4	Vinyl Chloride	44	JD
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
67-64-1	Acetone	100	U
75-35-4	1,1-Dichloroethene	50	U
75-09-2	Methylene Chloride	50	U
75-15-0	Carbon Disulfide	50	U
75-34-3	1,1-Dichloroethane	50	U
78-93-3	2-Butanone	100	U
156-60-5	trans-1,2-Dichloroethene	280	D
67-66-3	Chloroform	50	U
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon Tetrachloride	50	U
156-59-2	cis-1,2-Dichloroethene	1500	D
107-06-2	1,2-Dichloroethane	50	U
71-43-2	Benzene	50	U
79-01-6	Trichloroethene	960	D
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
108-10-1	4-Methyl-2-Pentanone	100	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-88-3	Toluene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
591-78-6	2-Hexanone	100	U
127-18-4	Tetrachloroethene	50	U
124-48-1	Chlorodibromomethane	50	U
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
1330-20-7	Xylenes (total)	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-GW41-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900195

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1042.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	9	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	47	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-DRW01-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900196

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1043.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	120	
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	29	
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	1300	E
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	1300	E
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	1600	E
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	98	
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	420	E
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	1000	E

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-DRW01-99ADL

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900196DL

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1168.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/29/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 200.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1000	U
75-01-4	Vinyl Chloride	1000	U
74-83-9	Bromomethane	1000	U
75-00-3	Chloroethane	1000	U
67-64-1	Acetone	2000	U
75-35-4	1,1-Dichloroethene	1000	U
75-09-2	Methylene Chloride	1600	D
75-15-0	Carbon Disulfide	1000	U
75-34-3	1,1-Dichloroethane	1000	U
78-93-3	2-Butanone	2000	U
156-60-5	trans-1,2-Dichloroethene	990	JD
67-66-3	Chloroform	1000	U
71-55-6	1,1,1-Trichloroethane	1000	U
56-23-5	Carbon Tetrachloride	1000	U
156-59-2	cis-1,2-Dichloroethene	2900	D
107-06-2	1,2-Dichloroethane	1000	U
71-43-2	Benzene	1000	U
79-01-6	Trichloroethene	21000	D
78-87-5	1,2-Dichloropropane	1000	U
75-27-4	Bromodichloromethane	1000	U
108-10-1	4-Methyl-2-Pentanone	2000	U
10061-01-5	cis-1,3-Dichloropropene	1000	U
108-88-3	Toluene	1000	U
10061-02-6	trans-1,3-Dichloropropene	1000	U
79-00-5	1,1,2-Trichloroethane	1000	U
591-78-6	2-Hexanone	2000	U
127-18-4	Tetrachloroethene	790	JD
124-48-1	Chlorodibromomethane	1000	U
108-90-7	Chlorobenzene	1000	U
100-41-4	Ethylbenzene	1000	U
1330-20-7	Xylenes (total)	1000	U
100-42-5	Styrene	1000	U
75-25-2	Bromoform	1000	U
79-34-5	1,1,2,2-Tetrachloroethane	5800	D

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-GW34-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9900197

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1044.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	56	
67-66-3	Chloroform	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	110	
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	400	E
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	40	
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	260	E
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	1100	E

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-GW34-99ADL

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900197DL

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1166.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/29/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	250	U
74-83-9	Bromomethane	250	U
75-00-3	Chloroethane	250	U
67-64-1	Acetone	500	U
75-35-4	1,1-Dichloroethene	250	U
75-09-2	Methylene Chloride	430	D
75-15-0	Carbon Disulfide	250	U
75-34-3	1,1-Dichloroethane	250	U
78-93-3	2-Butanone	500	U
156-60-5	trans-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
71-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	250	U
156-59-2	cis-1,2-Dichloroethene	250	U
107-06-2	1,2-Dichloroethane	250	U
71-43-2	Benzene	250	U
79-01-6	Trichloroethene	440	D
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	250	U
79-00-5	1,1,2-Trichloroethane	250	U
591-78-6	2-Hexanone	500	U
127-18-4	Tetrachloroethene	350	D
124-48-1	Chlorodibromomethane	250	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	250	U
1330-20-7	Xylenes (total)	250	U
100-42-5	Styrene	250	U
75-25-2	Bromoform	250	U
79-34-5	1,1,2,2-Tetrachloroethane	7800	D

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-GW03D-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900198

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1045.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	13	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	4	J
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	72	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-GW01DB-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900199

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1046.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	7	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-GW01-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900200

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1049.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	6	
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-GW42-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900201

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1050.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-DRW04-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900202

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1051.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	240	E
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	34	
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	1300	E
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	1300	E
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	1600	E
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	66	
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-DRW04-99ADL

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900202DL

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1169.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/29/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 200.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1000	U
75-01-4	Vinyl Chloride	1000	U
74-83-9	Bromomethane	1000	U
75-00-3	Chloroethane	1000	U
67-64-1	Acetone	2000	U
75-35-4	1,1-Dichloroethene	1000	U
75-09-2	Methylene Chloride	1600	D
75-15-0	Carbon Disulfide	1000	U
75-34-3	1,1-Dichloroethane	1000	U
78-93-3	2-Butanone	2000	U
156-60-5	trans-1,2-Dichloroethene	1100	D
67-66-3	Chloroform	1000	U
71-55-6	1,1,1-Trichloroethane	1000	U
56-23-5	Carbon Tetrachloride	1000	U
156-59-2	cis-1,2-Dichloroethene	2800	D
107-06-2	1,2-Dichloroethane	1000	U
71-43-2	Benzene	1000	U
79-01-6	Trichloroethene	15000	D
78-87-5	1,2-Dichloropropane	1000	U
75-27-4	Bromodichloromethane	1000	U
108-10-1	4-Methyl-2-Pentanone	2000	U
10061-01-5	cis-1,3-Dichloropropene	1000	U
108-88-3	Toluene	1000	U
10061-02-6	trans-1,3-Dichloropropene	1000	U
79-00-5	1,1,2-Trichloroethane	1000	U
591-78-6	2-Hexanone	2000	U
127-18-4	Tetrachloroethene	1000	U
124-48-1	Chlorodibromomethane	1000	U
108-90-7	Chlorobenzene	1000	U
100-41-4	Ethylbenzene	1000	U
1330-20-7	Xylenes (total)	1000	U
100-42-5	Styrene	1000	U
75-25-2	Bromoform	1000	U
79-34-5	1,1,2,2-Tetrachloroethane	1000	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-SRW01-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9900203

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1052.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	89	
67-66-3	Chloroform	5	
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	170	
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	570	E
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	53	
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	360	E
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-SRW01-99ADL

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900203DL

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1181.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 2/1/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	500	U
75-01-4	Vinyl Chloride	500	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	500	U
67-64-1	Acetone	1000	U
75-35-4	1,1-Dichloroethene	500	U
75-09-2	Methylene Chloride	840	D
75-15-0	Carbon Disulfide	500	U
75-34-3	1,1-Dichloroethane	500	U
78-93-3	2-Butanone	1000	U
156-60-5	trans-1,2-Dichloroethene	500	U
67-66-3	Chloroform	500	U
71-55-6	1,1,1-Trichloroethane	500	U
56-23-5	Carbon Tetrachloride	500	U
156-59-2	cis-1,2-Dichloroethene	500	U
107-06-2	1,2-Dichloroethane	500	U
71-43-2	Benzene	500	U
79-01-6	Trichloroethene	770	D
78-87-5	1,2-Dichloropropane	500	U
75-27-4	Bromodichloromethane	500	U
108-10-1	4-Methyl-2-Pentanone	1000	U
10061-01-5	cis-1,3-Dichloropropene	500	U
108-88-3	Toluene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
591-78-6	2-Hexanone	1000	U
127-18-4	Tetrachloroethene	680	D
124-48-1	Chlorodibromomethane	500	U
108-90-7	Chlorobenzene	500	U
100-41-4	Ethylbenzene	500	U
1330-20-7	Xylenes (total)	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	11000	D

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-SRW02-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900204

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1053.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	6	
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	25	
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	30	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	8	
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	96	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-SRW03-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900205

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1054.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	22	
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	480	E
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	790	E
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	820	E
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	19	
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	180	
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	390	E

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-SRW03-99ADL

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9900205DL

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1128.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. Date Analyzed: 1/28/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	50	U
75-01-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
67-64-1	Acetone	100	U
75-35-4	1,1-Dichloroethene	50	U
75-09-2	Methylene Chloride	50	U
75-15-0	Carbon Disulfide	50	U
75-34-3	1,1-Dichloroethane	50	U
78-93-3	2-Butanone	100	U
156-60-5	trans-1,2-Dichloroethene	270	D
67-66-3	Chloroform	50	U
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon Tetrachloride	50	U
156-59-2	cis-1,2-Dichloroethene	860	D
107-06-2	1,2-Dichloroethane	50	U
71-43-2	Benzene	50	U
79-01-6	Trichloroethene	520	D
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
108-10-1	4-Methyl-2-Pentanone	100	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-88-3	Toluene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
591-78-6	2-Hexanone	100	U
127-18-4	Tetrachloroethene	50	U
124-48-1	Chlorodibromomethane	50	U
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
1330-20-7	Xylenes (total)	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
79-34-5	1,1,2,2-Tetrachloroethane	620	D

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-GW01DA-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900206

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1055.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	13	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	J

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-TB01-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900207

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1056.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-GW01D-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900210

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1059.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	520	E
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	72	
75-09-2	Methylene Chloride	4	J
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	1900	E
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	1700	E
107-06-2	1,2-Dichloroethane	18	
71-43-2	Benzene	8	
79-01-6	Trichloroethene	2500	E
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	390	E
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-GW01D-99ADL

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900210DL

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1186.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 2/2/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1250.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	6200	U
75-01-4	Vinyl Chloride	6200	U
74-83-9	Bromomethane	6200	U
75-00-3	Chloroethane	6200	U
67-64-1	Acetone	12000	U
75-35-4	1,1-Dichloroethene	6200	U
75-09-2	Methylene Chloride	7700	D
75-15-0	Carbon Disulfide	6200	U
75-34-3	1,1-Dichloroethane	6200	U
78-93-3	2-Butanone	12000	U
156-60-5	trans-1,2-Dichloroethene	7600	D
67-66-3	Chloroform	6200	U
71-55-6	1,1,1-Trichloroethane	6200	U
56-23-5	Carbon Tetrachloride	6200	U
156-59-2	cis-1,2-Dichloroethene	18000	D
107-06-2	1,2-Dichloroethane	6200	U
71-43-2	Benzene	6200	U
79-01-6	Trichloroethene	180000	D
78-87-5	1,2-Dichloropropane	6200	U
75-27-4	Bromodichloromethane	6200	U
108-10-1	4-Methyl-2-Pentanone	12000	U
10061-01-5	cis-1,3-Dichloropropene	6200	U
108-88-3	Toluene	6200	U
10061-02-6	trans-1,3-Dichloropropene	6200	U
79-00-5	1,1,2-Trichloroethane	6200	U
591-78-6	2-Hexanone	12000	U
127-18-4	Tetrachloroethene	6200	U
124-48-1	Chlorodibromomethane	6200	U
108-90-7	Chlorobenzene	6200	U
100-41-4	Ethylbenzene	6200	U
1330-20-7	Xylenes (total)	6200	U
100-42-5	Styrene	6200	U
75-25-2	Bromoform	6200	U
79-34-5	1,1,2,2-Tetrachloroethane	6200	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-GW30-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900211

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1060.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	8	
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	10	
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	150	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	9	
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

IR06-82GW02-99A

Lab Name: EA LABORATORIES Contract: 990031

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9900212

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC3A1061.D

Level: (low/med) LOW Date Received: 1/18/99

% Moisture: not dec. _____ Date Analyzed: 1/25/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	38	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06GW35D99A

Lab Name: EA LABORATORIES Contract: _____

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: #9900284

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VE5B9543.D

Level: (low/med) _____ Date Received: 1/19/99

% Moisture: not dec. _____ Date Analyzed: 1/26/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	2	J
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
95-47-6	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06GW35D99A

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900284

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VE5B9543.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. Date Analyzed: 1/26/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06GW0399A

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900285

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VE5B9544.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. Date Analyzed: 1/26/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	8	
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	1	J
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
95-47-6	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06GW0399A

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900285

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VE5B9544.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. Date Analyzed: 1/26/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06DRW0399A

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900286

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VE5B9545.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. Date Analyzed: 1/26/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	66	
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	14	
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
156-59-2	cis-1,2-Dichloroethene	1800	E
156-60-5	trans-1,2-Dichloroethene	1100	E
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	1900	E
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	15	
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
95-47-6	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06DRW0399A

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900286

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VE5B9545.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. Date Analyzed: 1/26/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06DRW0399ADL

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900286DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VE5B9572.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. Date Analyzed: 1/28/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 50.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	61	JD
74-83-9	Bromomethane	250	U
75-00-3	Chloroethane	250	U
67-64-1	Acetone	500	U
75-35-4	1,1-Dichloroethene	250	U
75-09-2	Methylene Chloride	250	U
75-15-0	Carbon Disulfide	250	U
156-59-2	cis-1,2-Dichloroethene	3000	D
156-60-5	trans-1,2-Dichloroethene	1200	D
75-34-3	1,1-Dichloroethane	250	U
78-93-3	2-Butanone	500	U
67-66-3	Chloroform	250	U
71-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	250	U
107-06-2	1,2-Dichloroethane	250	U
71-43-2	Benzene	250	U
79-01-6	Trichloroethene	6500	D
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	250	U
79-00-5	1,1,2-Trichloroethane	250	U
591-78-6	2-Hexanone	500	U
127-18-4	Tetrachloroethene	250	U
124-48-1	Chlorodibromomethane	250	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	250	U
95-47-6	Xylenes (total)	250	U
100-42-5	Styrene	250	U
75-25-2	Bromoform	250	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06DRW0399ADL

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900286DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VE5B9572.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. Date Analyzed: 1/28/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 50.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	250	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06GW27DW99A

Lab Name: EA LABORATORIES Contract: _____

Lab Code: EA ENG Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: #9900287

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VE5B9546.D

Level: (low/med) _____ Date Received: 1/19/99

% Moisture: not dec. _____ Date Analyzed: 1/26/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	43	
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	4	J
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
156-59-2	cis-1,2-Dichloroethene	1600	E
156-60-5	trans-1,2-Dichloroethene	640	E
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	1400	E
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
95-47-6	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06GW27DW99A

Lab Name: EA LABORATORIES   Contract:

Lab Code: EA ENG   Case No.:   SAS No.:   SDG No.:

Matrix: (soil/water) WATER   Lab Sample ID: #9900287

Sample wt/vol: 5.0 (g/mL) ML   Lab File ID: VE5B9546.D

Level: (low/med)   Date Received: 1/19/99

% Moisture: not dec.   Date Analyzed: 1/26/99

GC Column: RTX 502.2   ID: 0.53 (mm)   Dilution Factor: 1.0

Soil Extract Volume: (uL)   Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5	U

FORM I VOA

3/90

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: IR06GW27DW99ADL

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900287DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VE5B9563.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. Date Analyzed: 1/27/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 20.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	100	U
75-01-4	Vinyl Chloride	34	JD
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
67-64-1	Acetone	200	U
75-35-4	1,1-Dichloroethene	100	U
75-09-2	Methylene Chloride	100	U
75-15-0	Carbon Disulfide	100	U
156-59-2	cis-1,2-Dichloroethene	1800	D
156-60-5	trans-1,2-Dichloroethene	600	D
75-34-3	1,1-Dichloroethane	100	U
78-93-3	2-Butanone	200	U
67-66-3	Chloroform	100	U
71-55-6	1,1,1-Trichloroethane	100	U
56-23-5	Carbon Tetrachloride	100	U
107-06-2	1,2-Dichloroethane	100	U
71-43-2	Benzene	100	U
79-01-6	Trichloroethene	2100	D
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
108-10-1	4-Methyl-2-Pentanone	200	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-88-3	Toluene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
591-78-6	2-Hexanone	200	U
127-18-4	Tetrachloroethene	100	U
124-48-1	Chlorodibromomethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
95-47-6	Xylenes (total)	100	U
100-42-5	Styrene	100	U
75-25-2	Bromoform	100	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06GW27DW99ADL

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900287DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VE5B9563.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. Date Analyzed: 1/27/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 20.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	100	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06GW27DA99A

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: #9900288

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VE5B9557.D

Level: (low/med) Date Received: 1/19/99

% Moisture: not dec. Date Analyzed: 1/27/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	14	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Chlorodibromomethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
95-47-6	Xylenes (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06GW27DA99A

Lab Name: EA LABORATORIES Contract: ____

Lab Code: EA ENG Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) WATER Lab Sample ID: #9900288

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VE5B9557.D

Level: (low/med) ____ Date Received: 1/19/99

% Moisture: not dec. ____ Date Analyzed: 1/27/99

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5	U

FORM I VOA 3/90

APRIL 1999

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0399DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-17DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1717

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	100	U
74-83-9	Bromomethane	100	U
75-01-4	Vinyl Chloride	100	U
75-00-3	Chloroethane	100	U
75-09-2	Methylene Chloride	33	DJ
67-64-1	Acetone	200	U
75-15-0	Carbon Disulfide	100	U
75-35-4	1,1-Dichloroethene	100	U
75-34-3	1,1-Dichloroethane	100	U
156-59-2	cis-1,2-Dichloroethene	1100	D
156-60-5	trans-1,2-Dichloroethene	430	D
67-66-3	Chloroform	100	U
107-06-2	1,2-Dichloroethane	100	U
78-93-3	2-Butanone	200	U
71-55-6	1,1,1-Trichloroethane	100	U
56-23-5	Carbon Tetrachloride	100	U
75-27-4	Bromodichloromethane	100	U
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
79-01-6	Trichloroethene	1300	D
124-48-1	Dibromochloromethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
71-43-2	Benzene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
75-25-2	Bromoform	100	U
108-10-1	4-Methyl-2-Pentanone	200	U
591-78-6	2-Hexanone	200	U
127-18-4	Tetrachloroethene	220	D
79-34-5	1,1,2,2-Tetrachloroethane	420	D
108-88-3	Toluene	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
100-42-5	Styrene	100	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0399DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-17DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1717

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	300	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0499

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-19

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1738

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 05/01/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 2.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	7	J
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	20	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	350	
156-60-5	trans-1,2-Dichloroethene	90	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	540	E
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	80	
79-34-5	1,1,2,2-Tetrachloroethane	4	J
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0499

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-19

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1738

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 05/01/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 2.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	30	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0499DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-19DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1742

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 05/01/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	25	U
74-83-9	Bromomethane	25	U
75-01-4	Vinyl Chloride	7	DJ
75-00-3	Chloroethane	25	U
75-09-2	Methylene Chloride	25	U
67-64-1	Acetone	50	U
75-15-0	Carbon Disulfide	25	U
75-35-4	1,1-Dichloroethene	25	U
75-34-3	1,1-Dichloroethane	25	U
156-59-2	cis-1,2-Dichloroethene	300	D
156-60-5	trans-1,2-Dichloroethene	74	D
67-66-3	Chloroform	25	U
107-06-2	1,2-Dichloroethane	25	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	25	U
56-23-5	Carbon Tetrachloride	25	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene	450	D
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	67	D
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene	25	U
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	25	U
100-42-5	Styrene	25	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0499DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-19DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1742

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 05/01/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	75	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0599

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-09

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1693

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 04/29/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	3	J
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	230	E
156-60-5	trans-1,2-Dichloroethene	22	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	270	E
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	86	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0599

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-09

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1693

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 04/29/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	15	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0599DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-09DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1714

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 2.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2	DJ
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	DJ
67-64-1	Acetone	20	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	220	D
156-60-5	trans-1,2-Dichloroethene	22	D
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	240	D
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	78	D
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0599DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-09DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1714

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 2.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	30	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06TB0199B

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-25

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1720

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06TB0199B

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-25

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1720

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	15	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06DRW0199

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-12

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1696

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	95	
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	19	
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	3800	E
156-60-5	trans-1,2-Dichloroethene	1900	E
67-66-3	Chloroform	2	J
107-06-2	1,2-Dichloroethane	4	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	8300	E
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	100	
71-43-2	Benzene	2	J
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	990	E
79-34-5	1,1,2,2-Tetrachloroethane	3000	E
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06DRW0199

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-12

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1696

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	2	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06DRW0199DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-12DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1716

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 200.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1000	U
74-83-9	Bromomethane	1000	U
75-01-4	Vinyl Chloride	1000	U
75-00-3	Chloroethane	1000	U
75-09-2	Methylene Chloride	490	DJ
67-64-1	Acetone	2000	U
75-15-0	Carbon Disulfide	1000	U
75-35-4	1,1-Dichloroethene	1000	U
75-34-3	1,1-Dichloroethane	1000	U
156-59-2	cis-1,2-Dichloroethene	5400	D
156-60-5	trans-1,2-Dichloroethene	2000	D
67-66-3	Chloroform	1000	U
107-06-2	1,2-Dichloroethane	1000	U
78-93-3	2-Butanone	2000	U
71-55-6	1,1,1-Trichloroethane	1000	U
56-23-5	Carbon Tetrachloride	1000	U
75-27-4	Bromodichloromethane	1000	U
78-87-5	1,2-Dichloropropane	1000	U
10061-01-5	cis-1,3-Dichloropropene	1000	U
79-01-6	Trichloroethene	27000	D
124-48-1	Dibromochloromethane	1000	U
79-00-5	1,1,2-Trichloroethane	1000	U
71-43-2	Benzene	1000	U
10061-02-6	trans-1,3-Dichloropropene	1000	U
75-25-2	Bromoform	1000	U
108-10-1	4-Methyl-2-Pentanone	2000	U
591-78-6	2-Hexanone	2000	U
127-18-4	Tetrachloroethene	1200	D
79-34-5	1,1,2,2-Tetrachloroethane	5000	D
108-88-3	Toluene	1000	U
108-90-7	Chlorobenzene	1000	U
100-41-4	Ethylbenzene	1000	U
100-42-5	Styrene	1000	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06DRW0199DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-12DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1716

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 200.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	3000	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06DRW0299B

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-21

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1735

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 05/01/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 100.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	500	U
74-83-9	Bromomethane	500	U
75-01-4	Vinyl Chloride	160	J
75-00-3	Chloroethane	500	U
75-09-2	Methylene Chloride	500	U
67-64-1	Acetone	1000	U
75-15-0	Carbon Disulfide	500	U
75-35-4	1,1-Dichloroethene	500	U
75-34-3	1,1-Dichloroethane	500	U
156-59-2	cis-1,2-Dichloroethene	4000	
156-60-5	trans-1,2-Dichloroethene	1500	
67-66-3	Chloroform	500	U
107-06-2	1,2-Dichloroethane	500	U
78-93-3	2-Butanone	1000	U
71-55-6	1,1,1-Trichloroethane	500	U
56-23-5	Carbon Tetrachloride	500	U
75-27-4	Bromodichloromethane	500	U
78-87-5	1,2-Dichloropropane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
79-01-6	Trichloroethene	12000	
124-48-1	Dibromochloromethane	500	U
79-00-5	1,1,2-Trichloroethane	500	U
71-43-2	Benzene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
75-25-2	Bromoform	500	U
108-10-1	4-Methyl-2-Pentanone	1000	U
591-78-6	2-Hexanone	1000	U
127-18-4	Tetrachloroethene	640	
79-34-5	1,1,2,2-Tetrachloroethane	500	U
108-88-3	Toluene	500	U
108-90-7	Chlorobenzene	500	U
100-41-4	Ethylbenzene	500	U
100-42-5	Styrene	500	U

41

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06DRW0299B

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-21

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1735

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 05/01/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 100.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	1500	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
IR06DRW0399

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1694

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	95	
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	1	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	14	
75-34-3	1,1-Dichloroethane	3	J
156-59-2	cis-1,2-Dichloroethene	2400	E
156-60-5	trans-1,2-Dichloroethene	1100	E
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	3800	E
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	1	J
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	16	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06DRW0399

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1694

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	15	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06DRW0399DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-10DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1715

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	250	U
74-83-9	Bromomethane	250	U
75-01-4	Vinyl Chloride	79	DJ
75-00-3	Chloroethane	250	U
75-09-2	Methylene Chloride	150	DJ
67-64-1	Acetone	87	DJ
75-15-0	Carbon Disulfide	250	U
75-35-4	1,1-Dichloroethene	250	U
75-34-3	1,1-Dichloroethane	250	U
156-59-2	cis-1,2-Dichloroethene	2600	D
156-60-5	trans-1,2-Dichloroethene	1100	D
67-66-3	Chloroform	250	U
107-06-2	1,2-Dichloroethane	250	U
78-93-3	2-Butanone	500	U
71-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	250	U
75-27-4	Bromodichloromethane	250	U
78-87-5	1,2-Dichloropropane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
79-01-6	Trichloroethene	6000	D
124-48-1	Dibromochloromethane	250	U
79-00-5	1,1,2-Trichloroethane	250	U
71-43-2	Benzene	250	U
10061-02-6	trans-1,3-Dichloropropene	250	U
75-25-2	Bromoform	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
591-78-6	2-Hexanone	500	U
127-18-4	Tetrachloroethene	250	U
79-34-5	1,1,2,2-Tetrachloroethane	250	U
108-88-3	Toluene	250	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	250	U
100-42-5	Styrene	250	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06DRW0399DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-10DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1715

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	750	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06DRW0499

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-18

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1733

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 05/01/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	130	
75-00-3	Chloroethane	50	U
75-09-2	Methylene Chloride	14	BJ
67-64-1	Acetone	100	U
75-15-0	Carbon Disulfide	50	U
75-35-4	1,1-Dichloroethene	17	J
75-34-3	1,1-Dichloroethane	50	U
156-59-2	cis-1,2-Dichloroethene	4000	E
156-60-5	trans-1,2-Dichloroethene	1600	
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	50	U
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon Tetrachloride	50	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	13000	E
124-48-1	Dibromochloromethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
71-43-2	Benzene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-Pentanone	100	U
591-78-6	2-Hexanone	100	U
127-18-4	Tetrachloroethene	56	
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-88-3	Toluene	50	U
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
100-42-5	Styrene	50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06DRW0499

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-18

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1733

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 05/01/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	150	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06DRW0499DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-18DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1737

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 05/01/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 100.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	500	U
74-83-9	Bromomethane	500	U
75-01-4	Vinyl Chloride	160	DJ
75-00-3	Chloroethane	500	U
75-09-2	Methylene Chloride	500	U
67-64-1	Acetone	1000	U
75-15-0	Carbon Disulfide	500	U
75-35-4	1,1-Dichloroethene	500	U
75-34-3	1,1-Dichloroethane	500	U
156-59-2	cis-1,2-Dichloroethene	4400	D
156-60-5	trans-1,2-Dichloroethene	1800	D
67-66-3	Chloroform	500	U
107-06-2	1,2-Dichloroethane	500	U
78-93-3	2-Butanone	1000	U
71-55-6	1,1,1-Trichloroethane	500	U
56-23-5	Carbon Tetrachloride	500	U
75-27-4	Bromodichloromethane	500	U
78-87-5	1,2-Dichloropropane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
79-01-6	Trichloroethene	17000	D
124-48-1	Dibromochloromethane	500	U
79-00-5	1,1,2-Trichloroethane	500	U
71-43-2	Benzene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
75-25-2	Bromoform	500	U
108-10-1	4-Methyl-2-Pentanone	1000	U
591-78-6	2-Hexanone	1000	U
127-18-4	Tetrachloroethene	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
108-88-3	Toluene	500	U
108-90-7	Chlorobenzene	500	U
100-41-4	Ethylbenzene	500	U
100-42-5	Styrene	500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06DRW0499DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-18DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1737

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 05/01/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 100.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	1500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0199

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-23

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1736

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 05/01/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	50	U
75-00-3	Chloroethane	50	U
75-09-2	Methylene Chloride	12	BJ
67-64-1	Acetone	100	U
75-15-0	Carbon Disulfide	50	U
75-35-4	1,1-Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
156-59-2	cis-1,2-Dichloroethene	150	
156-60-5	trans-1,2-Dichloroethene	61	
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	50	U
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon Tetrachloride	50	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	530	
124-48-1	Dibromochloromethane	50	U
79-00-5	1,1,2-Trichloroethane	55	
71-43-2	Benzene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-Pentanone	100	U
591-78-6	2-Hexanone	100	U
127-18-4	Tetrachloroethene	1100	
79-34-5	1,1,2,2-Tetrachloroethane	12000	E
108-88-3	Toluene	50	U
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
100-42-5	Styrene	50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0199

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-23

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1736

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 05/01/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	150	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0199DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-23DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1739

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 05/01/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 100.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	500	U
74-83-9	Bromomethane	500	U
75-01-4	Vinyl Chloride	500	U
75-00-3	Chloroethane	500	U
75-09-2	Methylene Chloride	500	U
67-64-1	Acetone	1000	U
75-15-0	Carbon Disulfide	500	U
75-35-4	1,1-Dichloroethene	500	U
75-34-3	1,1-Dichloroethane	500	U
156-59-2	cis-1,2-Dichloroethene	160	DJ
156-60-5	trans-1,2-Dichloroethene	500	U
67-66-3	Chloroform	500	U
107-06-2	1,2-Dichloroethane	500	U
78-93-3	2-Butanone	1000	U
71-55-6	1,1,1-Trichloroethane	500	U
56-23-5	Carbon Tetrachloride	500	U
75-27-4	Bromodichloromethane	500	U
78-87-5	1,2-Dichloropropane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
79-01-6	Trichloroethene	500	D
124-48-1	Dibromochloromethane	500	U
79-00-5	1,1,2-Trichloroethane	500	U
71-43-2	Benzene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
75-25-2	Bromoform	500	U
108-10-1	4-Methyl-2-Pentanone	1000	U
591-78-6	2-Hexanone	1000	U
127-18-4	Tetrachloroethene	910	D
79-34-5	1,1,2,2-Tetrachloroethane	12000	D
108-88-3	Toluene	500	U
108-90-7	Chlorobenzene	500	U
100-41-4	Ethylbenzene	500	U
100-42-5	Styrene	500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0199DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-23DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1739

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 05/01/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 100.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	1500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW029

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-22

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1721

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	2	J
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	100	
156-60-5	trans-1,2-Dichloroethene	33	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	90	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	2	J
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	6	
79-34-5	1,1,2,2-Tetrachloroethane	190	
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW029

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-22

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1721

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	15	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW029MS

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-22MS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1710

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	58	
74-83-9	Bromomethane	63	
75-01-4	Vinyl Chloride	56	
75-00-3	Chloroethane	63	
75-09-2	Methylene Chloride	48	
67-64-1	Acetone	210	E 5/21/99 alc
75-15-0	Carbon Disulfide	47	
75-35-4	1,1-Dichloroethene	48	
75-34-3	1,1-Dichloroethane	52	
156-59-2	cis-1,2-Dichloroethene	160	
156-60-5	trans-1,2-Dichloroethene	81	
67-66-3	Chloroform	53	
107-06-2	1,2-Dichloroethane	56	
78-93-3	2-Butanone	260	E 5/21/99 alc
71-55-6	1,1,1-Trichloroethane	51	
56-23-5	Carbon Tetrachloride	53	
75-27-4	Bromodichloromethane	55	
78-87-5	1,2-Dichloropropane	54	
10061-01-5	cis-1,3-Dichloropropene	51	
79-01-6	Trichloroethene	140	
124-48-1	Dibromochloromethane	52	
79-00-5	1,1,2-Trichloroethane	52	
71-43-2	Benzene	48	
10061-02-6	trans-1,3-Dichloropropene	52	
75-25-2	Bromoform	49	
108-10-1	4-Methyl-2-Pentanone	290	E 5/21/99 alc
591-78-6	2-Hexanone	280	E
127-18-4	Tetrachloroethene	54	
79-34-5	1,1,2,2-Tetrachloroethane	220	E 5/21/99 alc
108-88-3	Toluene	50	
108-90-7	Chlorobenzene	52	
100-41-4	Ethylbenzene	51	
100-42-5	Styrene	51	

57

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW029MS

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-22MS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1710

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	150	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
IR06SRW029MSD

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-22MSD

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1711

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	57	
74-83-9	Bromomethane	62	
75-01-4	Vinyl Chloride	55	
75-00-3	Chloroethane	62	
75-09-2	Methylene Chloride	48	
67-64-1	Acetone	210	E 5/21/99 alc
75-15-0	Carbon Disulfide	47	
75-35-4	1,1-Dichloroethene	46	
75-34-3	1,1-Dichloroethane	52	
156-59-2	cis-1,2-Dichloroethene	150	
156-60-5	trans-1,2-Dichloroethene	80	
67-66-3	Chloroform	53	
107-06-2	1,2-Dichloroethane	57	
78-93-3	2-Butanone	260	E 5/21/99 alc
71-55-6	1,1,1-Trichloroethane	50	
56-23-5	Carbon Tetrachloride	53	
75-27-4	Bromodichloromethane	54	
78-87-5	1,2-Dichloropropane	54	
10061-01-5	cis-1,3-Dichloropropene	51	
79-01-6	Trichloroethene	140	
124-48-1	Dibromochloromethane	54	
79-00-5	1,1,2-Trichloroethane	53	
71-43-2	Benzene	49	
10061-02-6	trans-1,3-Dichloropropene	51	
75-25-2	Bromoform	48	
108-10-1	4-Methyl-2-Pentanone	280	E
591-78-6	2-Hexanone	270	E 5/21/99 alc
127-18-4	Tetrachloroethene	53	
79-34-5	1,1,2,2-Tetrachloroethane	220	E
108-88-3	Toluene	50	
108-90-7	Chlorobenzene	50	
100-41-4	Ethylbenzene	49	
100-42-5	Styrene	51	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW029MSD

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-22MSD

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1711

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	150	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0399

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-17

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1697

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	10	
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	2	J
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	1100	E
156-60-5	trans-1,2-Dichloroethene	440	E
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	1200	E
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	18	
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	230	E
79-34-5	1,1,2,2-Tetrachloroethane	410	E
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0399

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-17

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1697

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	15	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0399DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-17DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1717

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	100	U
74-83-9	Bromomethane	100	U
75-01-4	Vinyl Chloride	100	U
75-00-3	Chloroethane	100	U
75-09-2	Methylene Chloride	33	DJ
67-64-1	Acetone	200	U
75-15-0	Carbon Disulfide	100	U
75-35-4	1,1-Dichloroethene	100	U
75-34-3	1,1-Dichloroethane	100	U
156-59-2	cis-1,2-Dichloroethene	1100	D
156-60-5	trans-1,2-Dichloroethene	430	D
67-66-3	Chloroform	100	U
107-06-2	1,2-Dichloroethane	100	U
78-93-3	2-Butanone	200	U
71-55-6	1,1,1-Trichloroethane	100	U
56-23-5	Carbon Tetrachloride	100	U
75-27-4	Bromodichloromethane	100	U
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
79-01-6	Trichloroethene	1300	D
124-48-1	Dibromochloromethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
71-43-2	Benzene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
75-25-2	Bromoform	100	U
108-10-1	4-Methyl-2-Pentanone	200	U
591-78-6	2-Hexanone	200	U
127-18-4	Tetrachloroethene	220	D
79-34-5	1,1,2,2-Tetrachloroethane	420	D
108-88-3	Toluene	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
100-42-5	Styrene	100	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
IR06SRW0399DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-17DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1717

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	300	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0499

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-19

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1738

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 05/01/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 2.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	7	J
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	20	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	350	
156-60-5	trans-1,2-Dichloroethene	90	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	540	E
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	80	
79-34-5	1,1,2,2-Tetrachloroethane	4	J
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0499

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-19

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1738

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 05/01/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 2.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	30	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0499DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-19DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1742

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 05/01/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	25	U
74-83-9	Bromomethane	25	U
75-01-4	Vinyl Chloride	7	DJ
75-00-3	Chloroethane	25	U
75-09-2	Methylene Chloride	25	U
67-64-1	Acetone	50	U
75-15-0	Carbon Disulfide	25	U
75-35-4	1,1-Dichloroethene	25	U
75-34-3	1,1-Dichloroethane	25	U
156-59-2	cis-1,2-Dichloroethene	300	D
156-60-5	trans-1,2-Dichloroethene	74	D
67-66-3	Chloroform	25	U
107-06-2	1,2-Dichloroethane	25	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	25	U
56-23-5	Carbon Tetrachloride	25	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene	450	D
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	67	D
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene	25	U
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	25	U
100-42-5	Styrene	25	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0499DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-19DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1742

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 05/01/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	75	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0599

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-09

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1693

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 04/29/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	3	J
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	230	E
156-60-5	trans-1,2-Dichloroethene	22	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	270	E
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	86	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0599

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-09

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1693

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 04/29/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	15	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0599DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-09DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1714

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 2.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2	DJ
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	DJ
67-64-1	Acetone	20	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	220	D
156-60-5	trans-1,2-Dichloroethene	22	D
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	240	D
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	78	D
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06SRW0599DL

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-09DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1714

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 2.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	30	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06TB0199B

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-25

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1720

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. ____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IR06TB0199B

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 62470 SAS No.: _____ SDG No.: 02GW12

Matrix: (soil/water) WATER Lab Sample ID: 990334-25

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1720

Level: (low/med) LOW Date Received: 04/21/99

% Moisture: not dec. _____ Date Analyzed: 04/30/99

GC Column: DB624 ID: 0.180 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (total)	15	U

ATTACHMENT D
MONTHLY REMEDIAL SYSTEM PROGRESS REPORTS

Monthly Report – January 1999
Groundwater Treatment Plant
Lot 203

Contract N62420-93-D-3032 Delivery Order 175	
Period of Performance Duration	1/1 -1/31/99 31 days
Product Recovery Previously reported Current period Total to date	 2730 0 2730
Treated Groundwater	
Estimated rate Duration Estimated Total treated this period	379.9 gpm 690 hours 15,728,200 gallons
Treatment System Performance	
1. Changed cartridge filters 11 times. 2. Plant was down a total of 54 hours to change filters and repair flow control valves and pH probes.	
Comments and Recommendations	
1. The volumes of treated groundwater have been based upon actual readings from the flowmeter.	
Prepared by: James A. Dunn, Jr., P.E. Date: January 31, 1999 Senior Project Manager	

Monthly Report – February 1999
Groundwater Treatment Plant
Lot 203

Contract N62420-93-D-3032 Delivery Order 175	
Period of Performance Duration	2/1 -1/28/99 28 days
Product Recovery Previously reported Current period Total to date	 2730 0 2730
Treated Groundwater	
Estimated rate Duration Estimated Total treated this period	486.9 gpm 330.5 hours 9,654,800 gallons
Treatment System Performance	
1. Changed cartridge filters 9 times. 2. Plant was down a total of 167.5 hours to change filters, repair flow control valves, replace instrument and control air compressor, perform annual maintenance activities and pressure wash Tank T-110 and the air stripper base tank. At month end, the belts on the air stripper blower broke and the plant was shutdown.	
Comments and Recommendations	
1. The volumes of treated groundwater have been based upon actual readings from the flowmeter.	
Prepared by: James A. Dunn, Jr., P.E. Senior Project Manager Date: February 28, 1999	

Monthly Report – March 1999
Groundwater Treatment Plant
Lot 203

Contract N62420-93-D-3032 Delivery Order 175	
Period of Performance	3/1 -3/31/99
Duration	31 days
Product Recovery	
Previously reported	2730
Current period	0
Total to date	2730
Treated Groundwater	
Estimated rate	262.7 gpm
Duration	708 hours
Estimated Total treated this period	11,160,500 gallons
Treatment System Performance	
1. Changed cartridge filters 12 times. 2. Plant was down a total of 36 hours to change filters, repair belt on air stripper blower, backwash carbon cells and perform monthly maintenance.	
Comments and Recommendations	
1. The volumes of treated groundwater have been based upon actual readings from the flowmeter.	
Prepared by: James A. Dunn, Jr., P.E. Date: March 31, 1999 Senior Project Manager	

Monthly Report – April 1999
Groundwater Treatment Plant
Lot 203

Contract N62420-93-D-3032 Delivery Order 175	
Period of Performance Duration	4/1 -4/30/99 28.8 days
Product Recovery Previously reported Current period Total to date	 2730 0 2730
Treated Groundwater	
Estimated rate Duration Estimated Total treated this period	265.3 gpm 690 hours 10,984,300 gallons
Treatment System Performance	
1. Changed cartridge filters 8 times. 2. Plant was down a total of 30 hours to change filters, repair coupling on flow control valve, backwash carbon cells and perform monthly maintenance. 3. Treated 3,600 gallons of water from Building 25.	
Comments and Recommendations	
1. The volumes of treated groundwater have been based upon actual readings from the flowmeter.	
Prepared by: James A. Dunn, Jr., P.E. Date: April 30, 1999 Senior Project Manager	

Monthly Report – May 1999
Groundwater Treatment Plant
Lot 203

Contract N62420-93-D-3032 Delivery Order 175	
Period of Performance	5/1 -5/31/99
Duration	29.08 days
Product Recovery	
Previously reported	2730
Current period	0
Total to date	2730
Treated Groundwater	
Estimated rate	265.3 gpm
Duration	698 hours
Estimated Total treated this period	11,704,500 gallons
Treatment System Performance	
1. Changed cartridge filters 13 times. 2. Plant was down a total of 46 hours to change filters, clean Tanks T-110 and T-220, backwash carbon cells and perform monthly maintenance. 3. Treated 3,600 gallons of water from Building 25.	
Comments and Recommendations	
1. The volumes of treated groundwater have been based upon actual readings from the flowmeter.	
Prepared by: James A. Dunn, Jr., P.E. Date: May 31, 1999 Senior Project Manager	

Monthly Report – June 1999
Groundwater Treatment Plant
Lot 203

Contract N62420-93-D-3032 Delivery Order 175	
Period of Performance	6/1 -6/30/99
Duration	29.08 days
Product Recovery	
Previously reported	2730
Current period	0
Total to date	2730
Treated Groundwater	
Estimated rate	278.8 gpm
Duration	688hours
Estimated Total treated this period	11,548,500 gallons
Treatment System Performance	
1. Changed cartridge filters 9 times. 2. Plant was down a total of 32 hours to change filters, clean lines and stripping tower, backwash carbon cells and perform monthly maintenance. 3. Treated 0 gallons of water from Building 25.	
Comments and Recommendations	
1. The volumes of treated groundwater have been based upon actual readings from the flowmeter.	
Prepared by: James A. Dunn, Jr., P.E Senior Project Manager Date: June 30, 1999	

TABLE 5-2

COMPARISON OF METHOD DETECTION LIMITS, BTAG SCREENING LEVELS, AND REPORTED DETECTION LIMITS

Media	Contaminant	Reported Detection Limits	Laboratory Maximum Detection Limit (MDL)	BTAG Screening Level [1]		MDL less than BTAG Screening Level?
				Flora	Fauna	
Surface Soil	**Explosives (µg/kg)**					
	1,3,5-Trinitrobenzene	250U - 250U	50	ND	ND	NA
	1,3-Dinitrobenzene	250U - 250U	39	ND	ND	NA
	2,4,6-Trinitrotoluene	250U - 250U	74	ND	ND	NA
	2,4-Dinitrotoluene	250U - 250U	39	ND	ND	NA
	2,6-Dinitrotoluene	250U - ~~250U~~ 500 U	87	ND	ND	NA
	2-Amino-4,6-dinitrotoluene	250U - 250U	130	ND	ND	NA
	2-Nitrotoluene	250U - 250U	77	ND	ND	NA
	3-Nitrotoluene	250U - 250U	140	ND	ND	NA
	4-Amino-2,6-dinitrotoluene	250U - 500U	150	ND	ND	NA
	4-Nitrotoluene	250U - 250U	130	ND	ND	NA
	Hexahydro-1,3,5-trinitro-1,3,5-triazine	250U - 500U	99	ND	ND	NA
	Methyl-2,4,6-trinitrophenylnitramine	500U - 500U	220	ND	ND	NA
	Nitrobenzene	250U - 250U	130	ND	ND	NA
	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine	500U - 500U	130	ND	ND	NA
Groundwater	**Explosives (µg/L)**					
	1,3,5-Trinitrobenzene	0.3U - 250U	0.059	ND	ND	NA
	1,3-Dinitrobenzene	0.3U - 250U	0.040	1,200.0 (a)	ND	YES/ NA
	2,4,6-Trinitrotoluene	0.3U - 250U	0.068	ND	ND	NA
	2,4-Dinitrotoluene	0.3U - 250U	0.053	230.0 (c)	230.0 (c)	YES
	2,6-Dinitrotoluene	0.5U - 500U	0.088	ND	ND	NA
	2-Amino-4,6-dinitrotoluene	0.3U - 250U	0.11	ND	ND	NA
	2-Nitrotoluene	0.5U - 250U	0.087	ND	ND	NA
	3-Nitrotoluene	0.5U - 250U	0.23	ND	ND	NA
	4-Amino-2,6-dinitrotoluene	0.5U - 500U	0.13	ND	ND	NA
	4-Nitrotoluene	0.5U - 250U	0.27	ND	ND	NA
	Hexahydro-1,3,5-trinitro-1,3,5-triazine	1U - 500U	0.14	ND	ND	NA
	Methyl-2,4,6-trinitrophenylnitramine	0.5U - 500U	0.14	ND	ND	NA
	Nitrobenzene	0.3U - 250U	0.13	27,000.0 (a)	27,000.0 (a)	YES
	Nitroglycerin	30U - 30U	5.0	ND	ND	NA
	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine	1U - 500U	0.37	ND	ND	NA
	Pentaerythritol tetranitrate	20U - 20U	5.9	ND	ND	NA

Notes:

(1) 1995 Biological Technical Assistance Group (BTAG) Screening Levels for freshwater or surface soil. All values reported in micrograms per kilogram (µg/kg) unless noted.

ND = Value Not Determined
NA = Not Applicable
(a) = Acute
(c) = Chronic

tab 5-2 hg.is