

01.06-12/10/91-01510

**FINAL  
SITE ASSESSMENT REPORT**

**SITE 1 - FRENCH CREEK LIQUIDS  
DISPOSAL AREA  
CAMP LEJEUNE, NORTH CAROLINA**

**CONTRACT TASK ORDER 0044**

*Prepared For:*

**NAVAL FACILITIES  
ENGINEERING COMMAND  
ATLANTIC DIVISION  
*Norfolk, Virginia***

*Under:*

**Contract N62470-89-D-4814**

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## 1.0 INTRODUCTION

### 1.1 Site Description

French Creek Liquids Disposal Area (Site 1), an Installation Restoration (IR) site at MCB Camp Lejeune, is located on the north and south sides of the Main Service Road at the western edge of the Gun Park Area and Force Troops Complex (see Figure 1). According to the Site Summary Report, prepared by Environmental Science and Engineering, Inc. (ES&E), Site 1 has been used by many different Marine organizations since the 1940s. Liquid wastes from vehicle maintenance activities, batteries and battery acid were disposed of in the area (ES&E, 1990).

The biggest portion of the site is a gravel-covered parking area used to store heavy equipment in transition from one location to another. The other portions of the site are tree-covered, with native soils at the surface. Soil borings 01SB01 through 01SB06, along with soil borings 01SB17 and 01SB18, were advanced in tree-covered areas, while remaining borings were advanced in the parking area.

### 1.2 Purpose of Sampling Efforts

Site 1 is the proposed building location for seven (7) Military Construction (MCON) projects. Low levels of volatile organic groundwater contamination have been identified at this site during prior investigations (ES&E, 1990), but soil sampling data has not previously been obtained. In order to assess soil conditions prior to initiating the MCON project, a site assessment was performed at Site 1. The sampling activities, which were conducted under this contract task order (CTO-0003), consisted of drilling soil borings, collecting soil samples, and analyzing the samples for Target Compound List (TCL) organics and Target Analyte List (TAL) inorganics. The findings of this assessment will provide information to LANTDIV for planning efforts for MCON projects in the area of Site 1.

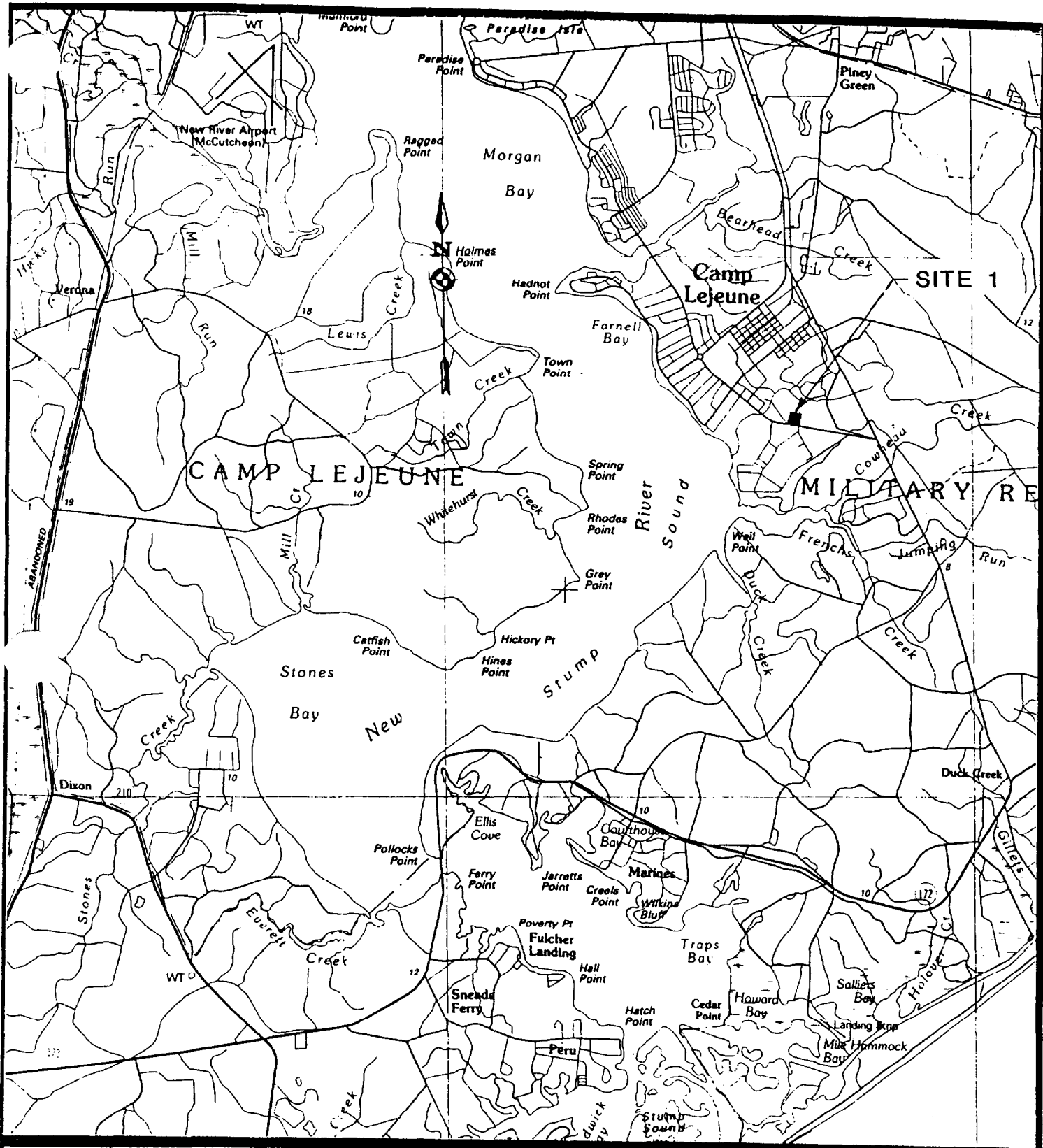


FIGURE 1  
 SITE LOCATION MAP  
 MCB CAMP LEJEUNE

## 2.0 FIELD INVESTIGATION EFFORTS

### 2.1 Sampling Activities

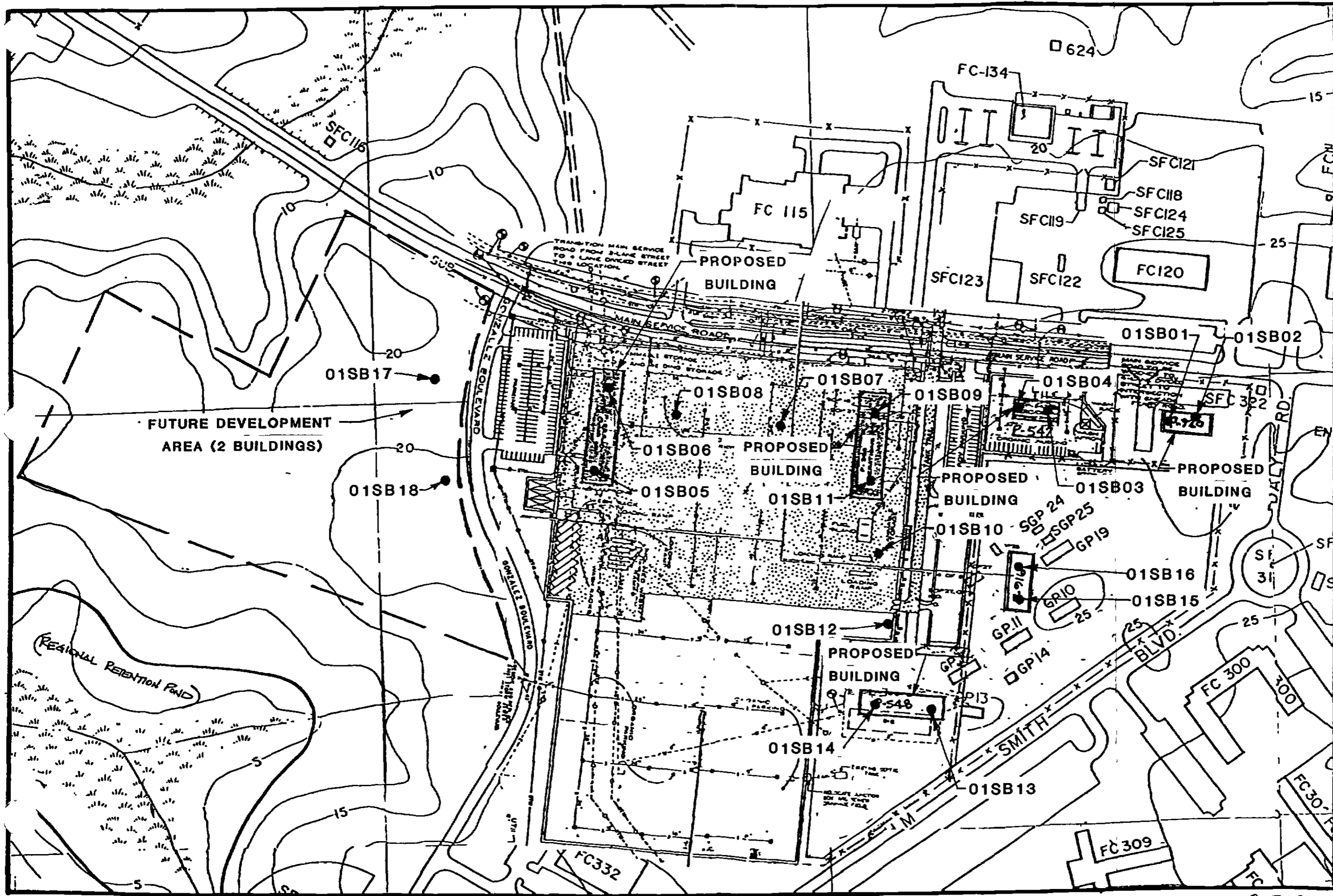
Sampling activities were conducted from July 23 through July 26, 1991 by Baker and a subcontracted drilling company, Graham and Currie Well Drilling Company. The field investigation consisted of drilling eighteen (18) soil borings and collecting two (2) soil samples from each hole. The locations of the soil borings are representative of the proposed building areas and are shown on Figure 2.

The drilling rig, augers, rods, split-barrel samplers and other downhole equipment were steam-cleaned between boreholes. Hand trowels were decontaminated with the following sequence, as specified in the NUS Draft Final Sampling and Analysis Plan (NUS, 1991):

- Alconox detergent and distilled water wash;
- Distilled water rinse;
- Nitric acid rinse;
- Distilled water rinse;
- Pesticide-grade hexane rinse;
- Distilled water rinse; and,
- Air dry.

Twelve (12) soil borings were drilled to the water table using a CME-75 drill rig and 3- and 1/4-inch hollow stem augers. Six (6) borings were drilled to depths just above the water table. Split spoon samples were collected at three-foot intervals. Portions of the soil samples were placed in glass jars and screened for total volatile organics using an HNu photoionization detector. None of the HNu screening detected readings greater than four (4) parts per million (ppm) total volatile organics.

Soils encountered at the surface of the site were limestone gravel fill or decaying matter (humic matter), depending on the locations of the soil borings. Beneath surficial soils, deeper soils were primarily fine sands with little clay and silt. Soil borings 01SB08 and 01SB15 contained one to two feet of clay at depths of roughly 15 feet, and soil borings 01SB17 and 01SB18 each contained greater than six feet of clay throughout the borehole. Soils were fairly uniform across the site, with exceptionally clayey soils at boreholes 01SB17 and 01SB18.



**FIGURE 2**  
**SOIL BORING LOCATIONS**  
**SITE #1 FRENCH CREEK**  
**PROPOSED MCON SITE**  
**MCB CAMP LEJEUNE**



Two samples from each borehole were sent to CompuChem Laboratories for analysis. The first sample was collected from auger cuttings and from the split spoon which was driven from the ground surface to a depth of two feet. The second sample was collected from the interval just above the encountered water table, which ranged from 15.9 feet to 18.7 feet below ground surface.

Upon completion of the sample collection from each soil boring, the boring was backfilled with the auger cuttings. The augers and split spoons were decontaminated by steam cleaning between each borehole on a decontamination pad designated by Camp Lejeune Environmental Management Department (EMD) personnel. Test boring records, Chain-of-Custody forms, and information from the sample logbook can be found in Appendices A, B and C, respectively.

## **2.2 Sample Identification and QA/QC Procedures**

The samples were identified according to NUS's May 1991 Sampling and Analysis Plan. Each sample was labeled with a four segment, alpha numeric code which identifies (1) site number, (2) sample medium, (3) borehole location, and (4) sample depth. A fifth segment denoted whether the sample was a duplicate sample. All samples collected during this field investigation begin with 01-SB, indicating "Site 1, soil boring". This designation is followed by the location number, which corresponds with the soil boring number on the site map, Figure 2. The fourth segment indicates the top depth from which the soil sample was obtained. For example, sample number 01-SB-04-07 is from Site 1, the medium is a soil boring, the soil boring is labeled 04 on the site map, and the sample was collected from a split spoon which was driven from a depth of seven feet.

During the sampling activities a duplicate sample was taken at soil boring fifteen (15). A rinsate sample was also collected. One trip blank was submitted with the aqueous volatile samples.

A total of thirty-seven soil samples and one aqueous sample were submitted to the laboratory for analysis. The data was then validated by a third party, Weston Analytical (Weston). A discussion of the results and data tables are presented in Section 3.0.

### 3.0 DISCUSSION AND SUMMARY OF ANALYTICAL FINDINGS

The soil samples collected at Site 1 (soil borings 01SB01-01SB18) were analyzed for the following parameters using Contract Laboratory Program (CLP) protocols:

- TCL volatile organics
- TCL semivolatile organics
- TCL PCBs and pesticides
- TAL inorganics

A complete listing of the validated data, including TCL volatiles, TCL semivolatiles, and PCB/Pesticides, is provided in Appendix D. The inorganic data is presented in Appendix E.

For purposes of this report, soil boring 01SB18 will be considered as a background location, and the samples collected from this boring will be used as a basis of comparison for the rest of the samples collected at French Creek. Boring 01SB18 is located west of Gonzalez Boulevard (see site map Figure 2-1). The area is wooded with mature pine trees and other vegetation. Since the growth is mature and appears to be undisturbed, it will be assumed that no previous disposal activities occurred in this area.

Tables 3-1 and 3-2 summarize the samples which have detectable limits of TCL organics and TAL inorganics, respectively. The sample numbers are listed with the concentrations of detectable parameters, as identified by the laboratory.

Only three soil borings exhibited detectable concentrations of organic constituents of concern. Soil sample 01SB1716 (soil boring 17, depth 16 feet) exhibited a concentration of 860 parts per billion (ppb) of benzo(a)pyrene. A concentration of one (1) ppb of toluene was detected in sample number 01SB0100 (soil boring 1, depth surface two (2) feet). Eleven (11) ppb of methylene chloride were detected in sample 01SB03135 (soil boring three (3), depth 13.5 feet). No PCBs or pesticides were detected in any samples collected at Site 1.

Detectable concentrations of aluminum, iron, chromium and lead were identified in all of the soil samples. Barium, calcium, copper, manganese, nickel, vanadium, and zinc were detected in more than half of the samples. Magnesium, arsenic, cobalt, and potassium were also detected in a few of the samples from Site 1. Cadmium was detected in the surface sample



**TABLE 3-1**  
**SUMMARY OF TCL ORGANICS ABOVE IDLs**

Compound	Sample 01SB0100 (µg/kg)	Sample 01SB03135 (µg/kg)	Sample 01SB1716 (µg/kg)
Methylene Chloride	ND	11	ND
Toluene	1 J	ND	ND
Benzo (a) pyrene	ND	ND	860

J = Analyte present. Reported value may not be accurate or precise.

ND = Not detected above instrument detection levels.

IDL = Instrument detection level.

TABLE 3-2 SUMMARY OF TAL INORGANIC DATA ABOVE IDLs

BORING NO.	1	1	2	2	3	3	4
BAKER SAMPLE NO.	01SB0100	01SB0114	01SB0200	01SB0214	01SB0300	01SB03135	01SB0400
COMPU CHEM SAMPLE NO.	432995	433013	433002	433012	433005	433010	433007
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Aluminum	6350	7320	1930	5970	6080	3750	1910
Antimony	ND	ND	ND	ND	ND	ND	ND
Arsenic	2.2	ND	ND	ND	ND	ND	ND
Barium	13.3	12	4.1	8.2	9.5	7.8	6.0
Beryllium	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND
Calcium	122	ND	176	ND	193	ND	262
Chromium	6.7	8.3	3.6	7.3	6.8	4.4	3.4
Cobalt	ND	ND	ND	ND	ND	ND	ND
Copper	1.9	2.7	7.6	2.3	1.4	1.3	9.2
Iron	1860	1200	897	1640	1490	971	916
Lead	5.4 J	7.3 J	4.0 J	3.7 J	8.0 J	2.5 J	26.8 J
Magnesium	281	212	ND	224	179	146	ND
Manganese	6.0	3.5	6.6	8.4	5.2	5.5	11.3
Mercury	ND	ND	ND	ND	ND	ND	ND
Nickel	2.8	4.9	2.3	2.9	2.3	4.8	2.5
Potassium	259	421	ND	460	ND	ND	ND
Selenium	ND	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND
Sodium	ND	ND	ND	ND	ND	ND	ND
Thallium	ND	ND	ND	ND	ND	ND	ND
Vanadium	8.1	6.5	2.8	6.1	6.6	3.2	2.8
Zinc	3.5	4.2	4.3	3.4	3.4	4.7	71.2
Cyanide	ND	ND	ND	ND	ND	ND	ND

Flags:

ND - Not detected above instrument detection level

J - Analyte present. Reported value may not be accurate or precise.

TABLE 1 - SUMMARY OF TAL INORGANIC DATA ABOVE IDLs

BORING NO.	4	5	5	6	6	7	7
BAKER SAMPLE NO.	01SB04145	01SB0500	01SB05135	01SB0600	01SB0613	01SB0700	01SB0713
COMPU CHEM SAMPLE NO.	433011	433008	433420	433423	433424	433425	433426
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Aluminum	3770	3290	4070	2640	4400	2610	4510
Antimony	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	1.1	ND	ND	ND	ND
Barium	6.9	6.1	5.3	4.6	7.8	8.6	11.3
Beryllium	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND
Calcium	ND	261	ND	154	ND	28500	104
Chromium	4.6	3.4	6.7	2.7	6.1	6.1	3.8
Cobalt	ND	ND	ND	ND	ND	ND	ND
Copper	2.0	1.4	1.8	ND	1.2	2.8	1.3
Iron	801	1260	1190	1090	1300	1350	598
Lead	2.9 J	3.8 J	2.5 J	2.4 J	3.1 J	13.5 J	4.1 J
Magnesium	156	102	127	79.8	174	547	ND
Manganese	4.8	6.9	2.5	4.9	3.8	22.5	4.7
Mercury	ND	ND	ND	ND	ND	ND	ND
Nickel	3.9	3.7	2.7	3.4	2.4	7.7	4.8
Potassium	ND	ND	323	ND	305	303	ND
Selenium	ND	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	0
Sodium	ND	ND	ND	ND	ND	ND	ND
Thallium	ND	ND	ND	ND	ND	ND	ND
Vanadium	3.6	4.4	6.7	3.5	6.0	6.3	2.6
Zinc	3.3	1.9	1.6	1.7	2.4	11.0	2.3
Cyanide	ND	ND	ND	ND	ND	ND	ND

TABLE 3-2 SUMMARY OF TAL INORGANIC DATA ABOVE IDLs

BORING NO.	8	8	9	9	10	10	11
BAKER SAMPLE NO.	01SB0800	01SB0813	01SB0900	01SB0913	01SB1000	01SB1016*	01SB1100
COMPÜ CHEM SAMPLE NO.	433427	433428	433429	433430	433910	433957	433908
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Aluminum	3630	8280	4920	4190	1730	6150	2060
Antimony	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	ND	1.8	ND	ND
Barium	8.7	11.1	9.8	6.7	ND	ND	ND
Beryllium	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	0.84	ND	ND
Calcium	393	ND	6490	ND	488000 J	ND	17300 J
Chromium	4.4	9.3	6.9	4.1	8.1 J	8.8 J	3.7 J
Cobalt	ND	ND	ND	ND	1.4	1.6	ND
Copper	2.0	ND	1.8	ND	1.9	2.0	2.7
Iron	1720	1120	1940	565	3910	597	1100
Lead	9.5 J	5.1 J	19.8 J	8.7 J	9.3 J	2.2	13.3
Magnesium	ND	280	291	ND	3350	ND	ND
Manganese	10.7	3.4	12.8	2.4	156	ND	ND
Mercury	ND	ND	ND	ND	ND	ND	ND
Nickel	3.3	5.2	4.1	ND	6.7	3.8	ND
Potassium	ND	299	341	ND	1010	ND	ND
Selenium	ND	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND
Sodium	ND	ND	ND	ND	ND	ND	ND
Thallium	ND	ND	ND	ND	ND	ND	ND
Vanadium	4.8	6.6	8.4	2.9	28.0	3.1	4.3
Zinc	9.2	3.2	5.5	2.1	ND	ND	ND
Cyanide	ND	ND	ND	ND	ND	ND	ND

\* Sample is listed as 01SB0913 (date of receipt by lab 7/27) in Appendices D & E

TABLE SUMMARY OF TAL INORGANIC DATA ABOVE IDLs

BORING NO.	11	12	12	13	13	14	14
BAKER SAMPLE NO.	01SB1116	01SB1200	01SB1216	01SB1300	01SB1316	01SB1400	01SB1416
COMPU CHEM SAMPLE NO.	433909	433439	433444	433431	433433	433435	433445
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Aluminum	1650	2020	904	3880	2730	3050	3770
Antimony	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	1.1	ND	ND	ND	ND	ND
Barium	ND	ND	ND	8.9	5.8	ND	ND
Beryllium	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND
Calcium	ND	65000 J	ND	31300	ND	20100 J	ND
Chromium	2.7 J	4.6 J	1.6 J	7.6	3.5	7.8 J	5.2 J
Cobalt	ND	ND	ND	ND	ND	ND	ND
Copper	1.1	16.0	1.6	3.2	ND	3.8	1.2
Iron	544	1740	132	2160	519	1810	2260
Lead	1.4	9.6	1.4	17.6 J	1.8 J	32.7	2.5
Magnesium	ND	1030	ND	544	ND	ND	ND
Manganese	ND	27.1	ND	13.6	1.6	ND	ND
Mercury	ND	ND	ND	ND	ND	ND	ND
Nickel	ND	3.0	ND	2.6	3.1	2.3	ND
Potassium	ND	ND	ND	ND	ND	ND	ND
Selenium	ND	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND
Sodium	ND	ND	ND	ND	ND	ND	ND
Thallium	ND	ND	ND	ND	ND	ND	ND
Vanadium	2.2	4.5	ND	6.3	2.1	4.6	5.2
Zinc	ND	ND	ND	21.3	1.6	ND	ND
Cyanide	ND	ND	ND	ND	ND	ND	ND

TABLE 3-2 SUMMARY OF TAL INORGANIC DATA ABOVE IDLs

BORING NO.	15	15	15	16	16	17	17
BAKER SAMPLE NO.	01SB1500	01SB1500D	01SB1516	01SB1600	01SB1616	01SB1700	01SB1716
COMPU CHEM SAMPLE NO.	433913	433911	433912	433916	433914	433915	433918
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Aluminum	5740	5510	6120	4510	3560	911	2770
Antimony	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	1.4	ND	1.4	ND	ND	ND
Barium	ND	ND	ND	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND
Calcium	ND	ND	ND	4580 J	768 J	ND	2300 J
Chromium	7.5 J	7.3 J	5.6 J	6.4 J	4.2 J	1.3 J	4.8 J
Cobalt	ND	ND	ND	ND	ND	ND	ND
Copper	1.2	1.6	1.4	1.2	1.4	0.93	1.5
Iron	3110	2930	659	2370	939	408	2000
Lead	5.0	5.3	1.9	4.7	3.1	2.7	3.7
Magnesium	ND	ND	ND	ND	ND	ND	ND
Manganese	ND	ND	ND	ND	ND	ND	ND
Mercury	ND	ND	ND	ND	ND	ND	ND
Nickel	2.9	2.1	3.1	ND	2.2	2.3	ND
Potassium	ND	ND	ND	ND	ND	ND	ND
Selenium	ND	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND
Sodium	ND	ND	ND	ND	ND	ND	ND
Thallium	ND	ND	ND	ND	ND	ND	ND
Vanadium	8.8	8.8	2.6	6.8	2.8	1.3	3.2
Zinc	ND	ND	ND	ND	ND	26.0 J	ND
Cyanide	ND	ND	ND	ND	ND	ND	ND

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TABLE 3-2 SUMMARY OF TAL INORGANIC DATA ABOVE IDLs

BORING NO.	18	18	RINSATE	CONCENTRATION	AVERAGE
BAKER SAMPLE NO.	01SB1800	01SB1816	01R0820	RANGE	CONCENTRATION
COMPU CHEM SAMPLE NO.	433917	434350	438953		
UNITS	MG/KG	MG/KG	ug/L	MG/KG	MG/KG
Aluminum	925	1990	ND	904 - 8,280	3772
Antimony	ND	ND	ND		
Arsenic	ND	1.5	ND	1.1 - 2.2	1.50
Barium	ND	ND	9.5	4.1 - 13.3	8.13
Beryllium	ND	ND	ND		
Cadmium	ND	ND	ND	0.84	0.84
Calcium	ND	ND	27700	104 - 488,000	37000
Chromium	1.1 J	3.2	ND	1.1 - 9.3	5.23
Cobalt	ND	ND	ND	1.4 - 1.6	1.50
Copper	ND	6.4	ND	0.93 - 16	2.81
Iron	312	1020	ND	132 - 3,910	1363
Lead	1.9	2.1	ND	1.4 - 32.7	6.9
Magnesium	ND	139	2210	79.8 - 3,350	462
Manganese	ND	ND	ND	1.6 - 156	14.7
Mercury	ND	ND	ND		
Nickel	ND	ND	ND	2.1 - 7.7	3.49
Potassium	ND	ND	1290	259 - 1,010	413
Selenium	ND	ND	ND		
Silver	ND	ND	ND		
Sodium	ND	ND	7830		
Thallium	ND	ND	ND		
Vanadium	1.1	5.3	ND	1.1 - 28	5.36
Zinc	ND	8.0	63.2 J	1.6 - 71.2	8.90
Cyanide	ND	ND	ND		

TABLE 3-2 SUMMARY OF TAL INORGANIC DATA ABOVE IDLs

BORING NO. BAKER SAMPLE NO. COMPU CHEM SAMPLE NO. UNITS	MEDIAN CONCENTRATION MG/KG
Aluminum	3750
Antimony	
Arsenic	1.4
Barium	8
Beryllium	
Cadmium	0.84
Calcium	1534
Chromium	4.8
Cobalt	1.5
Copper	1.8
Iron	1190
Lead	4.0
Magnesium	212
Manganese	5.75
Mercury	
Nickel	3.05
Potassium	323
Selenium	
Silver	
Sodium	
Thallium	
Vanadium	4.55
Zinc	3.45
Cyanide	

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from soil boring 01SB10. No pattern was apparent in regard to the location or depth of any of these constituents.

Table 3-3 lists the inorganic constituents detected at French Creek, the range of concentrations found at the site, inorganic concentrations from background soil samples (soil boring 01SB18) and common ranges of metals reported in U. S. soils.

#### 4.0 CONCLUSIONS

Analytical results from the site investigation of the French Creek Liquids disposal site show very low levels of organic contaminants in only three of the thirty-seven soil samples. The data do not suggest any gross contamination because: (1) the reported values are very low with respect to levels of volatiles detected in groundwater by earlier investigations; (2) sample analyses from the same boring (i.e., the other interval) do not exhibit contamination; and (3) there is no apparent pattern with respect to their location at Site 1.

The concentrations of inorganics detected in the samples were generally consistent throughout the site. Most constituents of concern also were detected in the background sample. All elements detected were in the common range for metals in U. S. soil (see Table 3-3), except for one detection of cadmium which fell 0.14 mg/kg outside of the common range.

Based on the analytical data from this site assessment, soil contamination is not evident at the proposed building locations.

TABLE 3-3

**COMPARISON OF INORGANIC LEVELS IN SITE 1 SOILS TO  
BACKGROUND AND U.S. SOILS**

Constituents Detected Above IDL	Range of Concentrations at Site 1 (mg/kg)	Background Sample 01SB1800 (mg/kg)	Reported Range of Concentration in Soils <sup>(1)</sup> (mg/kg)
Aluminum	904 - 8,280	925 - 1990	10,000 - 300,000
Arsenic	1.1 - 2.2	--	1 - 50
Barium	4.1 - 13.3	--	100 - 3,000
Cadmium	0.84	--	0.01 - 0.70
Calcium	104 - 488,000	--	7,000 - 500,000
Chromium	1.1 - 9.3	1.1 - 3.2	1 - 1,000
Cobalt	1.4 - 1.6	--	1 - 40
Copper	0.93 - 16	6.4	2 - 100
Iron	132 - 3,190	312 - 1,020	7,000 - 550,000
Lead	1.4 - 32.7	1.9 - 2.1	2 - 200
Magnesium	79.8 - 3,350	139	600 - 6,000
Manganese	1.6 - 156	--	20 - 3,000
Nickel	2.1 - 7.7	--	5 - 500
Potassium	259 - 1010	--	400 - 30,000
Vanadium	1.1 - 28	1.1 - 5.3	20 - 500
Zinc	1.6 - 71.2	8.0	10 - 300

(1) Sources: Lindsey, Chemical Equilibria in Soils, 1979.  
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Cassartte and Doull, Toxicology, 1982.

**APPENDIX A**  
**TEST BORING RECORDS**

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# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB01

COORDINATES: EAST: \_\_\_\_\_

NORTH: \_\_\_\_\_

ELEVATION: SURFACE: \_\_\_\_\_

TOP OF STEEL CASING: \_\_\_\_\_

RIG: CME-75									
	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID		3-1/4" ID		7/23/91	0.0 to 17.0	95°, hazy	NA	
LENGTH	2.0'		5.0'						
TYPE	STD.		H.S.						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

<p><b>SAMPLE TYPE</b></p> <p>S = Split Spoon    A = Auger          T = Shelby Tube    W = Wash          R = Air Rotary    C = Core          D = Denison    P = Piston          N = No Sample</p>	<p><b>DEFINITIONS</b></p> <p>SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')</p> <p>RQD = Rock Quality Designation (%)</p> <p>Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)</p> <p>Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis</p>
--	--

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	HNu con. (ppm)	Visual Description	Elevation
1	S-1	1.9	1		BG	SAND; fine, little silt; brown to gray; dry; cohesive	
2			3				
3	A-N						2.5'
4	S-2	2.0	3		BG	SAND; fine, little clay; brown; dry; cohesive	
5			3				
6	A-N						
7	S-3	2.0	5		BG	SAND; fine; white; somewhat cohesive; moist	
8			6				
9	A-N						7.2'
10	S-4	1.8	6		BG	Iron staining @ 10'	
10.5			10				

Match to Sheet 2

DRILLING CO.: Graham & Currie

BAKER REP.: D. P. Black

DRILLER: R. Morrison

BORING NO.: 01SB01

SHEET 1 OF 2

# TEST BORING RECORD

Baker Environmental, Inc.

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB01

SAMPLE TYPE						DEFINITIONS	
S = Split Spoon		A = Auger		SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')		RQD = Rock Quality Designation (%)	
T = Shelby Tube		W = Wash		RQD = Rock Quality Designation (%)		Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)	
R = Air Rotary		C = Core		Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)		Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis	
D = Denison		P = Piston		N = No Sample			
Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation
11	11.0 S-4	1.8			BG	Continued from Sheet 1	
12	12.0 A-N					SAND; fine; brown to beige; somewhat cohesive; moist	
13		2.0	9 13 14 15		BG		12.8'
14	14.0 S-5					SAND; fine; gray to white; somewhat cohesive; moist	
15	15.0 A-N						15.5'
16		1.8	5 8 7 5		BG		
17	17.0 S-6					SAND; fine, little clay; gray; cohesive; moist	17.0'
18						End of Boring at 17.0'	
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB02

COORDINATES: EAST: \_\_\_\_\_

NORTH: \_\_\_\_\_

ELEVATION: SURFACE: \_\_\_\_\_

TOP OF STEEL CASING: \_\_\_\_\_

RIG: CME-75					DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
	SPLIT SPOON	CASING	AUGERS	CORE BARREL					
SIZE (DIAM.)	1-3/8" ID		3-1/4" ID		7/23/91	0.0 to 17.0	95°, hazy	NA	
LENGTH	2.0'		5.0'						
TYPE	STD.		H.S.						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

<p><b>SAMPLE TYPE</b></p> <p>S = Split Spoon    A = Auger          T = Shelby Tube    W = Wash          R = Air Rotary    C = Core          D = Denison    P = Piston          N = No Sample</p>	<p><b>DEFINITIONS</b></p> <p>SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')          RQD = Rock Quality Designation (%)          Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)          Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis</p>
--	--

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	HNu con. (ppm)	Visual Description	Elevation
1	S-1	1.8	3		BG	SAND; fine; gray to brown; cohesive; dry	
2			5				
3	A-N						
4	S-2	1.7	1		BG		
5			2				
6	A-N						5.5'
7	S-3	1.6	4		BG	SAND; fine, little clay; gray to brown; cohesive; dry	
8			6				
9	A-N						8.5'
10	S-4	1.8	3		BG	SAND; fine, little; dark brown; cohesive; moist	
10.5			4				
							Match to Sheet 2

SAMPLE TYPE						DEFINITIONS	
S = Split Spoon		A = Auger		SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')		RQD = Rock Quality Designation (%)	
T = Shelby Tube		W = Wash		RQD = Rock Quality Designation (%)		Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)	
R = Air Rotary		C = Core		Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis			
D = Denison		P = Piston					
N = No Sample							
Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation
11	S-5	1.8	3 4 6 9		BG	Continued from Sheet 1	11.5'
12	A-N					SAND; fine, and silt; brown to gray; moist, cohesive	
13	S-5	1.7	5 16 6 11		BG		
14	S-5						
15	A-N						
16	S-6	1.6	3 5 6 11		BG		
17						End of Boring at 17.0'	
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							



# Baker

Baker Environmental, Inc.

# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB03

COORDINATES: EAST: \_\_\_\_\_

NORTH: \_\_\_\_\_

ELEVATION: SURFACE: \_\_\_\_\_

TOP OF STEEL CASING: \_\_\_\_\_

RIG: CME-75									
	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID		3-1/4" ID		7/23/91	0.0 to 17.0	95°, hazy	NA	
LENGTH	2.0'		5.0'						
TYPE	STD.		H.S.						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

<p align="center"><b>SAMPLE TYPE</b></p> <p>S = Split Spoon    A = Auger  T = Shelby Tube    W = Wash  R = Air Rotary      C = Core  D = Denison        P = Piston  N = No Sample</p>	<p align="center"><b>DEFINITIONS</b></p> <p>SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')  RQD = Rock Quality Designation (%)  Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)  Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis</p>
---	---

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	Hnu con. (ppm)	Visual Description	Elevation
1	S-1	1.7	3		BG	SAND; fine, little silt; brown; dry; cohesive	
2			4				
3	A-N		8			SAND; fine, little silt; brown; dry; cohesive	
4			6				
5	S-2	1.7	3		BG	SAND; fine, little silt; beige to orange; dry; cohesive	
6			3				
7	A-N		3			SAND; fine, little silt; beige to orange; dry; cohesive	
8			3				
9	S-3	1.7	4		BG	SAND; fine, little silt; beige to orange; dry; cohesive	
10			4				
11	A-N		3			SAND; fine, little clay; dark brown; dry; cohesive	8.5'
12			3				
13	S-4	1.8	3		BG	SAND; fine, little clay; dark brown; dry; cohesive	
14			3				
15			5			Match to Sheet 2	

DRILLING CO.: Graham & Currie

BAKER REP.: D. P. Black

DRILLER: R. Morrison

BORING NO.: 01SB03

SHEET 1 OF 2

SAMPLE TYPE						DEFINITIONS	
S = Split Spoon	A = Auger					SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')	
T = Shelby Tube	W = Wash					RQD = Rock Quality Designation (%)	
R = Air Rotary	C = Core					Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)	
D = Denison	P = Piston					Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis	
N = No Sample							
Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation
11	11.0 S-4	1.8			BG	Continued from Sheet 1 SAND; trace clay; brown to gray; dry; cohesive	
12	12.0 A-N						12.5'
13	13.0 S-5	1.7	4 4 9 10		BG	SAND; beige to gray; dry; cohesive	
14	14.0						
15	15.0 A-N						
16	16.0 S-6	1.7	6 9 10 14		BG	End of Boring at 17.0'	17.0'
17	17.0						
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

# Baker

Baker Environmental, Inc.

# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB04

COORDINATES: EAST: \_\_\_\_\_

NORTH: \_\_\_\_\_

ELEVATION: SURFACE: \_\_\_\_\_

TOP OF STEEL CASING: \_\_\_\_\_

RIG: CME-75									
	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID		3-1/4" ID		7/23/91	0.0 to 17.0	90°, hazy	NA	
LENGTH	2.0'		5.0'						
TYPE	STD.		H.S.						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

<p><b>SAMPLE TYPE</b></p> <p>S = Split Spoon    A = Auger  T = Shelby Tube    W = Wash  R = Air Rotary      C = Core  D = Denison        P = Piston  N = No Sample</p>	<p><b>DEFINITIONS</b></p> <p>SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')</p> <p>RQD = Rock Quality Designation (%)</p> <p>Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)</p> <p>Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis</p>
--	--

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	HNu con. (ppm)	Visual Description	Elevation
1	S-1	1.7	2		BG	SAND; fine, little sand; brown to gray; dry; cohesive	
			3				
2			4				
2	2.0		5				
3	A-N						
4	S-2	1.7	3		BG	SAND; fine, little silt; brown to beige; dry; cohesive	
			2				
5			2				
5	5.0		3				
6	A-N						
7	S-3	1.6	3		BG	SAND; fine, little sand; orange; dry; cohesive	
			3				
8			3				
8	8.0						
9	A-N						
J	S-4	1.7	3		BG	SAND; fine, trace clay; dark brown; dry; cohesive	9.8'
			6				
10.5			5				
			4			Match to Sheet 2	

DRILLING CO.: Graham & Currie

BAKER REP.: D. P. Black

DRILLER: R. Morrison

BORING NO.: 01SB04

SHEET 1 OF 2

# TEST BORING RECORD

Baker Environmental, Inc.

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB04

SAMPLE TYPE						DEFINITIONS	
S = Split Spoon	A = Auger					SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')	
T = Shelby Tube	W = Wash					RQD = Rock Quality Designation (%)	
R = Air Rotary	C = Core					Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)	
D = Denison	P = Piston					Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis	
N = No Sample							
Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation
11	S-4	1.7			BG	Continued from Sheet 1 SAND; fine, trace clay; dark brown; dry; cohesive	
12	A-N						
13	S-5	1.7	6 5 5 7		BG	SAND; fine; beige to gray; dry; cohesive	13.2'
14	A-N						
15	A-N						
16	S-6	1.7	6 11 11 10		BG	End of Boring at 17.0'	17.0'
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

# Baker

Baker Environmental, Inc.

# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB05

COORDINATES: EAST: \_\_\_\_\_

NORTH: \_\_\_\_\_

ELEVATION: SURFACE: \_\_\_\_\_

TOP OF STEEL CASING: \_\_\_\_\_

<b>RIG: CME-75</b>									
	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID		3-1/4" ID		7/24/91	0.0 to 17.0	95°, hazy	NA	
LENGTH	2.0'		5.0'						
TYPE	STD.		H.S.						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

**REMARKS:**

<p align="center"><b>SAMPLE TYPE</b></p> <p>S = Split Spoon    A = Auger  T = Shelby Tube    W = Wash  R = Air Rotary      C = Core  D = Denison        P = Piston  N = No Sample</p>	<p align="center"><b>DEFINITIONS</b></p> <p>SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')  RQD = Rock Quality Designation (%)  Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)  Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis</p>
---	---

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation
1	S-1	1.7	3		BG	SAND; fine; gray to brown; dry; cohesive	1.3'
2			6				
3	A-N		9				
4	S-2	1.8	3		BG	SAND; fine, little clay; gray to orange; dry; cohesive	
5			4				
6	A-N		2				
7	S-3	1.7	5		BG	SAND; fine, little clay; orange; dry; cohesive	
8			3				
9	A-N		4				
10	S-4	1.7	5		BG	SAND; trace silt; brown to gray; damp, cohesive	9.4'
10.5			4				

DRILLING CO.: Graham & Currie

BAKER REP.: D. P. Black

DRILLER: R. Morrison

BORING NO.: 01SB05

SHEET 1 OF 2

# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB05

SAMPLE TYPE						DEFINITIONS	
S = Split Spoon    A = Auger T = Shelby Tube    W = Wash R = Air Rotary    C = Core D = Denison    P = Piston N = No Sample						SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5') RQD = Rock Quality Designation (%) Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282) Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis	
Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation
11	11.0 S-4		7 11		BG	Continued from Sheet 1 <b>SAND</b> ; trace silt; brown gray; cohesive; moist	
12	12.0 A-N						
13	13.0 S-5	1.8	4 4 7 8		BG		
14	14.0 A-N						
15	15.0 A-N					<b>SAND</b> ; trace silt; brown gray; cohesive; damp	
16	16.0 S-6	1.3	4 7 6 7		BG		17.0'
17	17.0					End of Boring at 17.0'	
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

# Baker

Baker Environmental, Inc.

# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB06

COORDINATES: EAST: \_\_\_\_\_

NORTH: \_\_\_\_\_

ELEVATION: SURFACE: \_\_\_\_\_

TOP OF STEEL CASING: \_\_\_\_\_

RIG: CME-75									
	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID		3-1/4" ID		7/24/91	0.0 to 17.0	95°, hazy	NA	
LENGTH	2.0'		5.0'						
TYPE	STD.		H.S.						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

<p><b>SAMPLE TYPE</b></p> <p>S = Split Spoon    A = Auger  T = Shelby Tube    W = Wash  R = Air Rotary      C = Core  D = Denison        P = Piston  N = No Sample</p>	<p><b>DEFINITIONS</b></p> <p>SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')  RQD = Rock Quality Designation (%)  Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)  Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis</p>
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Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	HNu con. (ppm)	Visual Description	Elevation
1	S-1	1.8	4		BG	SAND; fine, little silt; brown; dry; cohesive	
2			6				
3	A-N						
4	S-2	1.8	5		BG	SAND; fine, little silt; brown; dry; cohesive	4.0'
5			4				
6	A-N						
7	S-3	1.8	4		BG	SAND; fine, trace silt; orange	
8			3				
9	A-N						8.5'
J	S-4	1.5	3		BG	FINE SAND; white; somewhat cohesive, heavy metal flakes	Match to Sheet 2
10.5			4				

DRILLING CO.: Graham & Currie

BAKER REP.: D. P. Black

DRILLER: R. Morrison

BORING NO.: 01SB06

SHEET 1 OF 2

# TEST BORING RECORD

Baker Environmental, Inc.

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB06

SAMPLE TYPE						DEFINITIONS	
S = Split Spoon		A = Auger		SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')		Visual Description	
T = Shelby Tube		W = Wash		RQD = Rock Quality Designation (%)			
R = Air Rotary		C = Core		Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)			
D = Denison		P = Piston		Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis			
N = No Sample							
Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Elevation	
11	11.0 S-4				BG	Continued from Sheet 1	
12	12.0 A-N						
13	13.0 S-5	1.7	7 11		BG	SAND; fine; white to gray; dry; cohesive heavy metal flakes	
14	14.0		7 7 9				
15	15.0 A-N						
16	16.0 S-6	1.8	7 9		BG		
17	17.0		12 11			16.7'	17.0'
18						SAND; fine, little silt; little orange and gray; damp; cohesive	
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							



# Baker

Baker Environmental, Inc.

# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB07

COORDINATES: EAST: \_\_\_\_\_

NORTH: \_\_\_\_\_

ELEVATION: SURFACE: \_\_\_\_\_

TOP OF STEEL CASING: \_\_\_\_\_

RIG: CME-75					DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
	SPLIT SPOON	CASING	AUGERS	CORE BARREL					
SIZE (DIAM.)	1-3/8" ID		3-1/4" ID		7/24/91	0.0 to 17.0	95°, hazy	15.9	1233
LENGTH	2.0'		5.0'						
TYPE	STD.		H.S.						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

<p align="center"><b>SAMPLE TYPE</b></p> <p>S = Split Spoon      A = Auger  T = Shelby Tube      W = Wash  R = Air Rotary        C = Core  D = Denison            P = Piston  N = No Sample</p>	<p align="center"><b>DEFINITIONS</b></p> <p>SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')  RQD = Rock Quality Designation (%)  Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)  Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis</p>
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Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	HNu con. (ppm)	Visual Description	Elevation		
1	S-1	1.7	17		BG	GRAVEL (limestone); gray; dry; noncohesive	1.2'		
2			15				11	12	SAND; fine; gray to brown; dry; noncohesive
3	A-N						3.4'		
4	S-2	1.7	1		BG	SAND; fine; gray to brown; dry; noncohesive			
5			1				3	2	
6	A-N								
7	S-3	1.8	2		BG	SAND; fine; gray to brown; dry; cohesive	7.0'		
8			3				3	2	
9	A-N						9.3'		
10	S-4	1.6	3		BG	SAND; fine, some clay; gray to brown; dry; cohesive			
11			4				6	7	
12			6				7		

Match to Sheet 2

DRILLING CO.: Graham & Currie

BAKER REP.: D. P. Black

DRILLER: R. Morrison

BORING NO.: 01SB07

SHEET 1 OF 2

# TEST BORING RECORD

Baker Environmental, Inc.

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB07

SAMPLE TYPE						DEFINITIONS	
S = Split Spoon	A = Auger					SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')	
T = Shelby Tube	W = Wash					RQD = Rock Quality Designation (%)	
R = Air Rotary	C = Core					Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)	
D = Denison	P = Piston					Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis	
N = No Sample							
Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation
11	11.0 S-4	1.6			BG	Continued from Sheet 1	10.7'
12	12.0 A-N					SAND; fine; beige to white; dry; cohesive, heavy metal flakes	
13		1.7	4		BG		13.2'
14	14.0 S-5		6			SAND; fine; brown to gray; dry; cohesive	
15	15.0 A-N		9				Hit water at 15.9'; wet; cohesive
16		1.6	11		BG		
17	17.0 S-6		19				17.0'
18			19			End of Boring at 17.0'	
19			15				
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB08

COORDINATES: EAST: \_\_\_\_\_

NORTH: \_\_\_\_\_

ELEVATION: SURFACE: \_\_\_\_\_

TOP OF STEEL CASING: \_\_\_\_\_

<b>RIG: CME-75</b>									
	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID		3-1/4" ID		7/23/91	0.0 to 17.0	95°, hazy	NA	
LENGTH	2.0'		5.0'						
TYPE	STD.		H.S.						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

**REMARKS:**

<p align="center"><b>SAMPLE TYPE</b></p> <p>S = Split Spoon      A = Auger  T = Shelby Tube      W = Wash  R = Air Rotary        C = Core  D = Denison            P = Piston  N = No Sample</p>	<p align="center"><b>DEFINITIONS</b></p> <p>SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')  RQD = Rock Quality Designation (%)  Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)  Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis</p>
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Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	HNu con. (ppm)	Visual Description	Elevation
1	S-1	1.9	3		BG	SAND; fine, trace silt; gray to brown; dry; cohesive	2.5'
2			6				
3	A-N		8				
4	S-2	1.8	6		BG	SAND; fine, some clay; gray to brown; dry; cohesive	5.8'
5			9				
6	A-N		4				
7	S-3	1.7	3		BG	SAND; fine, trace clay; gray to brown; dry; cohesive	7.5'
8			7				
9	A-N		6				
10	S-4	1.7	8		BG	SAND; fine; orange; dry; cohesive	9.3'
11			1				
12			12			SAND; fine; brown to gray; dry; cohesive	Match to Sheet 2

SAMPLE TYPE						DEFINITIONS	
S = Split Spoon	A = Auger					SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')	
T = Shelby Tube	W = Wash					RQD = Rock Quality Designation (%)	
R = Air Rotary	C = Core					Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)	
D = Denison	P = Piston					Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis	
N = No Sample							
Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation
11	11.0 S-4				BG	Continued from Sheet 1 SAND; fine; brown to gray; dry; cohesive	
12	12.0 A-N						
13		1.8	5 5 7 6		BG		
14	14.0 S-5						
15	15.0 A-N					CLAY; little sand; gray	14.5' 15.6'
16		1.9	6 3 9 10		BG		
17	17.0 S-6					SAND, fine, white to gray; damp; cohesive	17.0'
18						End of Boring at 17.0'	
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

# Baker

Baker Environmental, Inc.

# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB09

COORDINATES: EAST: \_\_\_\_\_

NORTH: \_\_\_\_\_

ELEVATION: SURFACE: \_\_\_\_\_

TOP OF STEEL CASING: \_\_\_\_\_

RIG: CME-75					DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
	SPLIT SPOON	CASING	AUGERS	CORE BARREL					
SIZE (DIAM.)	1-3/8" ID		3-1/4" ID		7/24/91	0.0 to 17.0	95°, hazy	16.2	
LENGTH	2.0'		5.0'						
TYPE	STD.		H.S.						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

<p><b>SAMPLE TYPE</b></p> <p>S = Split Spoon    A = Auger  T = Shelby Tube    W = Wash  R = Air Rotary      C = Core  D = Denison        P = Piston  N = No Sample</p>	<p><b>DEFINITIONS</b></p> <p>SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')</p> <p>RQD = Rock Quality Designation (%)</p> <p>Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)</p> <p>Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis</p>
--	--

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	HNu con. (ppm)	Visual Description	Elevation
1	S-1	1.7	17 21 26 30		BG	GRAVEL (limestone); gray; dry; noncohesive	2.5'
2	A-N						
3	A-N					SAND; fine, some clay; gray to brown; dry; noncohesive	4.0'
4	S-2	1.7	5 6 10 8		BG		
5	A-N					SAND, beige to brown;	5.5'
6	A-N						
7	S-3	1.8	3 3 4 6		BG	SAND; some clay; brown; dry; cohesive	
8	A-N						
9	A-N					SAND; fine; orange to beige; dry; noncohesive	10.0'
	S-4	1.8	3 4 5 6		BG		

Match to Sheet 2

DRILLING CO.: Graham & Curri

BAKER REP.: D. P. Black

DRILLER: R. Morrison

BORING NO.: 01SB09

SHEET 1 OF 2

SAMPLE TYPE						DEFINITIONS	
S = Split Spoon	A = Auger					SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')	
T = Shelby Tube	W = Wash					RQD = Rock Quality Designation (%)	
R = Air Rotary	C = Core					Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)	
D = Denison	P = Piston					Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis	
N = No Sample							
Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation
11	S-4					Continued from Sheet 1	11.5'
12	A-N					SAND; fine, little clay; brown to gray; dry; cohesive	
13	S-5	1.8	2 3 3 4		BG		
14							
15	A-N						
16	S-6	1.7	5 5 9 10		BG	Hit water at 16.2 feet; wet; cohesive	17.0'
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

# Baker

Baker Environmental, Inc.

# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB10

COORDINATES: EAST: \_\_\_\_\_

NORTH: \_\_\_\_\_

ELEVATION: SURFACE: \_\_\_\_\_

TOP OF STEEL CASING: \_\_\_\_\_

<b>RIG: CME-75</b>									
	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID		3-1/4" ID		7/24/91	0.0 to 20.0	95°, hazy	18.7	
LENGTH	2.0'		5.0'						
TYPE	STD.		H.S.						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

**SAMPLE TYPE**

- S = Split Spoon      A = Auger
- T = Shelby Tube      W = Wash
- R = Air Rotary      C = Core
- D = Denison      P = Piston
- N = No Sample

**DEFINITIONS**

- SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')
- RQD = Rock Quality Designation (%)
- Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)
- Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	HNu con. (ppm)	Visual Description	Elevation
1	S-1	1.6	21 22 23 26		BG	GRAVEL (limestone); gray; dry; noncohesive	1.6'
2	A-N					SAND; fine; brown; dry; cohesive	
3	A-N						
4	S-2	2.0	6 11 11 15		BG		
5	A-N						
6	A-N						6.7'
7	S-3	1.7	8 10 6 9		BG	SAND; fine, little clay; brown; dry; cohesive	7.3'
8	A-N					SAND; fine; brown to beige; dry; somewhat cohesive	
9	A-N						
	S-4	1.7	6 5 4 9		BG	SAND; fine, little clay; brown to beige; damp; cohesive	9.8'

DRILLING CO.: Graham & Currie

BAKER REP.: D. P. Black

DRILLER: R. Morrison

BORING NO.: 01SB10

SHEET 1 OF 2

# TEST BORING RECORD

Baker Environmental, Inc.

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB10

SAMPLE TYPE						DEFINITIONS	
S = Split Spoon	A = Auger					SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')	
T = Shelby Tube	W = Wash					RQD = Rock Quality Designation (%)	
R = Air Rotary	C = Core					Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)	
D = Denison	P = Piston					Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis	
N = No Sample							
Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation
11	S-4				BG	Continued from Sheet 1	
12	A-N						
13	S-5	1.7	6 5 9 11		BG	SAND; fine; brown; dry; somewhat cohesive	
14	A-N						
15	A-N					SAND; fine; white; wet; cohesive; hit water at 18.1'	
16	S-6	1.6	7 4 8 10		BG		
17	A-N					SAND; fine; white; wet; cohesive; hit water at 18.1'	
18	A-N						
19	S-7	1.5	4 9 11 10		BG		
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							





# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB11

COORDINATES: EAST: \_\_\_\_\_

NORTH: \_\_\_\_\_

ELEVATION: SURFACE: \_\_\_\_\_

TOP OF STEEL CASING: \_\_\_\_\_

RIG: CME-75					DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
	SPLIT SPOON	CASING	AUGERS	CORE BARREL					
SIZE (DIAM.)	1-3/8" ID		3-1/4" ID		7/25/91	0.0 to 17.0	82°, sunny	16.4	
LENGTH	2.0'		5.0'						
TYPE	STD.		H.S.						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

<p align="center"><b>SAMPLE TYPE</b></p> <p>S = Split Spoon      A = Auger  T = Shelby Tube      W = Wash  R = Air Rotary        C = Core  D = Denison            P = Piston  N = No Sample</p>	<p align="center"><b>DEFINITIONS</b></p> <p>SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')  RQD = Rock Quality Designation (%)  Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)  Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis</p>
---	---

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	HNu con. (ppm)	Visual Description	Elevation
1	S-1	2.0	25		BG	GRAVEL, limestone; gray; dry; noncohesive	1.4'
			21				
2			17				
3	A-N		28				
4	S-2	1.2	2		BG	SAND, fine; brown to gray; dry; somewhat noncohesive	
			4				
5			3				
6	A-N		2				
7	S-3	1.4	2		BG	SAND, fine; gray; dry; noncohesive	7.0'
			2				
8			3				
9	A-N		4				
	S-4	1.8	2		BG	SAND; fine; some clay; dry; cohesive	9.8'
			5				
			9				
			11				

DRILLING CO.: Graham & Currie

BAKER REP.: D. P. Black

DRILLER: R. Morrison

BORING NO.: 01SB11

SHEET 1 OF 2

# TEST BORING RECORD

Baker Environmental, Inc.

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB11

SAMPLE TYPE						DEFINITIONS	
S = Split Spoon	A = Auger					SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')	
T = Shelby Tube	W = Wash					RQD = Rock Quality Designation (%)	
R = Air Rotary	C = Core					Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)	
D = Denison	P = Piston					Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis	
N = No Sample							
Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation
11	S-4					Continued from Sheet 1	10.8'
12	A-N					SAND; fine; brown, gray; dry; noncohesive	12.3'
13	S-5	2.0	3 3 3 6		BG	SAND; fine; brown to black; damp; cohesive	
14	A-N					.....	14.5'
15	A-N					SAND; fine; orange	
16	S-6	1.9	6 6 8		BG	SAND; fine; black-brown; wet; somewhat noncohesive; water at 16.4'	15.7'
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

# Baker

Baker Environmental, Inc.

# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB12

COORDINATES: EAST: \_\_\_\_\_

NORTH: \_\_\_\_\_

ELEVATION: SURFACE: \_\_\_\_\_

TOP OF STEEL CASING: \_\_\_\_\_

<b>RIG: CME-75</b>					DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
	SPLIT SPOON	CASING	AUGERS	CORE BARREL					
SIZE (DIAM.)	1-3/8" ID		3-1/4" ID		7/25/91	0.0 to 19.0	87°, hazy	16.0	
LENGTH	2.0'		5.0'						
TYPE	STD.		H.S.						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

**REMARKS:**

**SAMPLE TYPE**

S = Split Spoon      A = Auger  
 T = Shelby Tube      W = Wash  
 R = Air Rotary      C = Core  
 D = Denison      P = Piston  
 N = No Sample

**DEFINITIONS**

SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')  
 RQD = Rock Quality Designation (%)  
 Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)  
 Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	HNu con. (ppm)	Visual Description	Elevation
1	S-1	1.3	35 32 23		BG	GRAVEL (limestone); gray; dry; noncohesive	1.7'
2	A-N					SAND; fine; brown-black; dry; cohesive	
3	A-N						
4	S-2	1.2	7 4 4		BG	SAND and CLAY; brown; dry; cohesive	4.1'
5	A-N						
6	A-N						6.3'
7	S-3	1.7	4 3 6 9		BG	SAND; little clay; brown; dry; cohesive	7.8'
8	A-N					SAND; little clay; orange; dry; cohesive	
9	A-N						
	S-4	1.6	4 7		BG		Match to Sheet 2

DRILLING CO.: Graham & Currie

BAKER REP.: D. P. Black

DRILLER: R. Morrison

BORING NO.: 01SB12

SHEET 1 OF 2

# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB12

SAMPLE TYPE						DEFINITIONS	
S = Split Spoon	A = Auger					SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')	
T = Shelby Tube	W = Wash					RQD = Rock Quality Designation (%)	
R = Air Rotary	C = Core					Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)	
D = Denison	P = Piston					Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis	
N = No Sample							
Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation
			6			Continued from Sheet 1	10.7'
11			8			SAND; little clay; dark brown; damp; cohesive	
12	A-N						
13	S-5	1.6	3 8 11 13		BG		14.0'
14						SAND; little silt; dark brown; wet; cohesive; water at 16.0'	
15	A-N						
16	S-6	1.8	3 7 11 14		BG		17.0'
17						SAND; little silt; dark brown to orange; wet; cohesive	
18	S-7	1.8	9 14 17 22		BG		
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

# Baker

Baker Environmental, Inc.

# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB13

COORDINATES: EAST: \_\_\_\_\_

NORTH: \_\_\_\_\_

ELEVATION: SURFACE: \_\_\_\_\_

TOP OF STEEL CASING: \_\_\_\_\_

<b>RIG: CME-75</b>									
	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID		3-1/4" ID		7/25/91	0.0 to 19.0	90°, hazy	18.2	
LENGTH	2.0'		5.0'						
TYPE	STD.		H.S.						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

SAMPLE TYPE						DEFINITIONS			
S	= Split Spoon	A	= Auger				SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')		
T	= Shelby Tube	W	= Wash				RQD = Rock Quality Designation (%)		
R	= Air Rotary	C	= Core				Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)		
D	= Denison	P	= Piston				Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis		
N = No Sample									
Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	HNu con. (ppm)	Visual Description		Elevation	
1	S-1	1.7	4		BG	GRAVEL (limestone); gray; dry; noncohesive		0.9'	
			5			SAND; fine; gray to brown; dry; cohesive			
2			9					2.0'	
3	A-N		2			SAND; fine; some clay; brown to orange; dry; cohesive			
4	S-2	1.7	7		BG				
			4						
5			5						
6	A-N								
7	S-3	1.5	4		BG			6.8'	
			5			SAND; fine; little clay; orange; damp; cohesive			
8			5						
9	A-N								
	S-4	1.6	6		BG			9.6'	
			8			SAND; fine; little silt; gray; damp; cohesive		Match to Sheet 2	
			7						
			13						

DRILLING CO.: Graham & Currie

BAKER REP.: D. P. Black

DRILLER: R. Morrison

BORING NO.: 01SB13

SHEET 1 OF 2

# TEST BORING RECORD

Baker Environmental, Inc.

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB13

SAMPLE TYPE						DEFINITIONS	
S = Split Spoon	A = Auger					SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')	
T = Shelby Tube	W = Wash					RQD = Rock Quality Designation (%)	
R = Air Rotary	C = Core					Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)	
D = Denison	P = Piston					Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis	
N = No Sample							
Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation
11						Continued from Sheet 1	
12	A-N					SAND; fine; little silt; gray; damp; cohesive	
13	S-4	1.4	5 10 11 12		BG		
14	A-N						
15						SAND; fine; little silt; gray; wet; cohesive	
16	S-5	1.8	7 11 11 18		BG		
17							
18	S-6	1.7	12 9 3 3		BG	Hit water at 18.2'	18.4'
19						SAND; fine; orange; wet; cohesive	
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

# Baker

Baker Environmental, Inc.

# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB14

COORDINATES: EAST: \_\_\_\_\_

NORTH: \_\_\_\_\_

ELEVATION: SURFACE: \_\_\_\_\_

TOP OF STEEL CASING: \_\_\_\_\_

<b>RIG: CME-75</b>					DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
	SPLIT SPOON	CASING	AUGERS	CORE BARREL					
SIZE (DIAM.)	1-3/8" ID		3-1/4" ID		7/25/91	0.0 to 19.0	90°, hazy	16.7	
LENGTH	2.0'		5.0'						
TYPE	STD.		H.S.						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

**SAMPLE TYPE**

- S = Split Spoon      A = Auger
- T = Shelby Tube      W = Wash
- R = Air Rotary      C = Core
- D = Denison          P = Piston
- N = No Sample

**DEFINITIONS**

- SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')
- RQD = Rock Quality Designation (%)
- Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)
- Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	HNu con. (ppm)	Visual Description	Elevation
1	S-1	2.0	9		BG	SAND; fine, little silt; brown to gray; dry; cohesive	1.6'
2			6				3.4'
3	A-N						
4	S-2	1.5	4		BG	SAND; fine; brown; dry; cohesive; no fuel odor	5.5'
5			4				
6	A-N						
7	S-3	1.6	3		BG	SAND; fine, little silt; orange; dry; cohesive	7.8'
8			3				
9	A-N						8.5'
10	S-4	1.8	6		BG	SAND; fine; gray; dry; somewhat cohesive	
10.5			6				

DRILLING CO.: Graham & Currie

BAKER REP.: D. P. Black

DRILLER: R. Morrison

BORING NO.: 01SB14

SHEET 1 OF 2

# TEST BORING RECORD

Baker Environmental, Inc.

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB14

SAMPLE TYPE						DEFINITIONS	
S = Split Spoon	A = Auger					SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')	
T = Shelby Tube	W = Wash					RQD = Rock Quality Designation (%)	
R = Air Rotary	C = Core					Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)	
D = Denison	P = Piston					Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis	
N = No Sample							
Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation
11					BG	Continued from Sheet 1	
11.0						SAND; fine; light brown; dry; somewhat cohesive	
12	A-N						12.4'
13		1.5	7 10		BG	SAND; fine; beige to orange; damp; noncohesive	
14	S-5		9 14				
15	A-N						
16		1.6	4 9		BG	Hit water @ 16.7'	
17	S-6		10 11				
18		1.6	7 8		BG	End of Boring at 19.0'	
19	S-7		5 4				19.0'
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							



# Baker

Baker Environmental, Inc.

# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB15

COORDINATES: EAST: \_\_\_\_\_

NORTH: \_\_\_\_\_

ELEVATION: SURFACE: \_\_\_\_\_

TOP OF STEEL CASING: \_\_\_\_\_

RIG: CME-75									
	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID		3-1/4" ID		7/25/91	0.0 to 19.0	95°, hazy	17.7	
LENGTH	2.0'		5.0'						
TYPE	STD.		H.S.						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

**SAMPLE TYPE**

S = Split Spoon      A = Auger  
 T = Shelby Tube      W = Wash  
 R = Air Rotary      C = Core  
 D = Denison      P = Piston  
 N = No Sample

**DEFINITIONS**

SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')  
 RQD = Rock Quality Designation (%)  
 Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)  
 Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	HNu con. (ppm)	Visual Description	Elevation
1	S-1	1.8	4		BG	SAND; some clay; brown; dry; cohesive	2.5'
2			6				
3	A-N		9				
4	S-2	1.7	4		BG	SAND; fine, little clay; brown to gray; dry; cohesive	9.2'
5			3				
6	A-N		4				
7	S-3	1.7	3		BG		
8			4				
9	A-N		4				
10	S-4	1.6	3		BG	SAND; fine; gray; dry; cohesive	Match to Sheet 2
10.5			6				
			7				
			8				

DRILLING CO.: Graham & Currie

BAKER REP.: D. P. Black

DRILLER: R. Morrison

BORING NO.: 01SB15

SHEET 1 OF 2

# TEST BORING RECORD

Baker Environmental, Inc.

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB15

SAMPLE TYPE						DEFINITIONS		
S = Split Spoon		A = Auger		SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')		RQD = Rock Quality Designation (%)		
T = Shelby Tube		W = Wash		Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)		Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis		
R = Air Rotary		C = Core		D = Denison		P = Piston		
N = No Sample								
Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation	
11						Continued from Sheet 1 SAND; fine; gray; dry; cohesive		
12	A-N							
13		1.7	5 6 9		BG		13.5'	
14	S-5		13			SAND AND CLAY; brown to orange; dry; cohesive		
15	A-N							15.2'
16		1.8	5 10 11		BG	SAND: gray Heavy metal flakes; noncohesive; Hit water at 17.7'		
17	S-6		8					
18		1.8	5 10 11		BG		19.0'	
19	S-7		19			End of Boring at 19.0'		
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								



# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB15

COORDINATES: EAST: \_\_\_\_\_

NORTH: \_\_\_\_\_

ELEVATION: SURFACE: \_\_\_\_\_

TOP OF STEEL CASING: \_\_\_\_\_

<b>RIG: CME-75</b>									
	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID		3-1/4" ID		7/25/91	0.0 to 19.0	95°, hazy	17.7	
LENGTH	2.0'		5.0'						
TYPE	STD.		H.S.						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

<p align="center"><b>SAMPLE TYPE</b></p> <p>S = Split Spoon      A = Auger  T = Shelby Tube      W = Wash  R = Air Rotary        C = Core  D = Denison            P = Piston  N = No Sample</p>	<p align="center"><b>DEFINITIONS</b></p> <p>SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')</p> <p>RQD = Rock Quality Designation (%)</p> <p>Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)</p> <p>Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis</p>
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Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	HNu con. (ppm)	Visual Description	Elevation
1	S-1	1.8	4		BG	SAND; some clay; brown; dry; cohesive	2.5'
2			6				
3	A-N					SAND; fine, little clay; brown to gray; dry; cohesive	9.2'
4	S-2	1.7	4		BG		
5			3				
6	A-N						
7			4				
8	S-3	1.7	3		BG		
9			4				
10	A-N						
11			3				
12	S-4	1.6	6		BG	SAND; fine; gray; dry; cohesive	Match to Sheet 2
13			7				
14			8				

DRILLING CO.: Graham & Currie

DRILLER: R. Morrison

BAKER REP.: D. P. Black

BORING NO.: 01SB15

SHEET 1 OF 2

# TEST BORING RECORD

Baker Environmental, Inc.

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB15

SAMPLE TYPE						DEFINITIONS		
S = Split Spoon	A = Auger					SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')		
T = Shelby Tube	W = Wash					RQD = Rock Quality Designation (%)		
R = Air Rotary	C = Core					Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)		
D = Denison	P = Piston					Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis		
N = No Sample								
Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation	
11	11.0					Continued from Sheet 1 <b>SAND</b> ; fine; gray; dry; cohesive		
12	12.0	A-N						
13		1.7	5 6 9 13		BG		13.5'	
14	14.0	S-5				<b>SAND AND CLAY</b> ; brown to orange; dry; cohesive		
15	15.0	A-N						15.2'
16		1.8	5 10 11 8		BG	<b>SAND</b> : gray Heavy metal flakes; noncohesive; Hit water at 17.7'		
17	17.0	S-6						
18		1.8	5 10 11 19		BG		19.0'	
19	19.0	S-7				End of Boring at 19.0'		
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

**Baker**

Baker Environmental, Inc.

# TEST BORING RECORD

PROJECT: Camp LejeuneS.O. NO.: 19003-50-SRNBORING NO.: 01SB16

COORDINATES: EAST: \_\_\_\_\_

NORTH: \_\_\_\_\_

ELEVATION: SURFACE: \_\_\_\_\_

TOP OF STEEL CASING: \_\_\_\_\_

<b>RIG: CME - 75</b>					DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
	SPLIT SPOON	CASING	AUGERS	CORE BARREL					
SIZE (DIAM.)	1-3/8"ID		3 1/4"		7/25/91	0.0 - 19.0	95°, sunny	17.5	
LENGTH	2.0'		5'						
TYPE	STD.		H.S.						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

**REMARKS:****SAMPLE TYPE**

S = Split Spoon      A = Auger  
 T = Shelby Tube      W = Wash  
 R = Air Rotary      C = Core  
 D = Denison      P = Piston  
 N = No Sample

**DEFINITIONS**

SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')  
 RQD = Rock Quality Designation (%)  
 Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)  
 Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation
1			10			SAND, fine; brown; dry; cohesive	
2	S-1	1.6	10		BG		
3	A-N		9				
4			7			SAND, fine; gray to brown; dry; cohesive	
5	S-2	2.0	7		BG		
6	A-N		6				
7			3			SAND, fine; gray to brown; dry; cohesive	
8	S-3	1.6	5		BG		
9	A-N		5				
10			4			SAND, fine; gray to brown; dry; cohesive	
	S-4	1.9	7		BG		
			8				

DRILLING CO.: Graham & CurrieBAKER REP.: D. BlackDRILLER: R. MorrisonBORING NO.: 01SB16SHEET 1 OF 2

# TEST BORING RECORD

PROJECT: Camp Lejeune

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB16

SAMPLE TYPE						DEFINITIONS	
S = Split Spoon	A = Auger					SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')	
T = Shelby Tube	W = Wash					RQD = Rock Quality Designation (%)	
R = Air Rotary	C = Core					Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)	
D = Denison	P = Piston					Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis	
N = No Sample							
Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation
11	11.0 S-4						
12	12.0 A-N						
13			4			SAND, fine, little clay; gray to brown; damp; cohesive	
14	14.0 S-5	1.8	7				
15	15.0 A-N		9				
16			16				
17	17.0 S-6		7			SAND, fine, little clay; gray to brown;	
18			11				
19	19.0 S-7	1.8	14			Hit water at 17.5 feet	
20			13				
21			5				
22			7				
23			9				
24			13				
25							
26							
27							
28							
29							
30							

# Baker

Baker Environmental, Inc.

# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB17

COORDINATES: EAST: \_\_\_\_\_

NORTH: \_\_\_\_\_

ELEVATION: SURFACE: \_\_\_\_\_

TOP OF STEEL CASING: \_\_\_\_\_

RIG: CME-75									
	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID		3-1/4" ID		7/25/91	0.0 to 19.0	88°, hazy	16.1	
LENGTH	2.0'		5.0'						
TYPE	STD.		H.S.						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

<p><b>SAMPLE TYPE</b></p> <p>S = Split Spoon    A = Auger  T = Shelby Tube    W = Wash  R = Air Rotary      C = Core  D = Denison        P = Piston  N = No Sample</p>	<p><b>DEFINITIONS</b></p> <p>SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')  RQD = Rock Quality Designation (%)  Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)  Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis</p>
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Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	HNu con. (ppm)	Visual Description	Elevation
1	S-1	1.6	2		BG	SAND; brownish gray	
2			2				
3	A-N					SAND; black; damp; cohesive	3.3'
4	S-2	2.0	4		BG	SAND; fine; orange; dry; noncohesive	4.9'
5			7				
6	A-N					SAND; fine; orange; dry; noncohesive	
7	S-3	1.3	3		BG	CLAY; dark gray; moist; cohesive	7.1'
8			2				
9	A-N						
10.5	S-4	1.4	6		BG		Match to Sheet 2
			8				
			11				
			10				

DRILLING CO.: Graham & Currie

BAKER REP.: D. P. Black

DRILLER: R. Morrison

BORING NO.: 01SB17

SHEET 1 OF 2

# TEST BORING RECORD

SAMPLE TYPE						DEFINITIONS	
S = Split Spoon	A = Auger					SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')	
T = Shelby Tube	W = Wash					RQD = Rock Quality Designation (%)	
R = Air Rotary	C = Core					Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)	
D = Denison	P = Piston					Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis	
N = No Sample							
Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation
11	11.0 S-4				BG	Continued from Sheet 1 <b>CLAY</b> ; little sand; gray; damp; cohesive	
12	12.0 A-N						
13		1.8	8 9 10 10		BG		13.7'
14	14.0 S-5					<b>SAND</b> ; medium; brown; damp; noncohesive	
15	15.0 A-N						
16		1.6	6 8 10 8		BG	<b>CLAY</b> ; little sand; black; 16.1' water	
17	17.0 S-6						
18		1.8	7 4 5 7		BG	<b>SAND</b> ; medium; beige to brown; wet; somewhat cohesive	
19	19.0 S-7						
20						End of Boring at 19.0'	
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							





# TEST BORING RECORD

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB18

COORDINATES: EAST: \_\_\_\_\_

NORTH: \_\_\_\_\_

ELEVATION: SURFACE: \_\_\_\_\_

TOP OF STEEL CASING: \_\_\_\_\_

RIG: CME-75					DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
	SPLIT SPOON	CASING	AUGERS	CORE BARREL					
SIZE (DIAM.)	1-3/8" ID		3-1/4" ID		7/26/91	0.0 to 19.0	85°, hazy	16.5	
LENGTH	2.0'		5.0'						
TYPE	STD.		H.S.						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

<p align="center"><b>SAMPLE TYPE</b></p> <p>S = Split Spoon      A = Auger  T = Shelby Tube      W = Wash  R = Air Rotary        C = Core  D = Denison            P = Piston  N = No Sample</p>	<p align="center"><b>DEFINITIONS</b></p> <p>SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')  RQD = Rock Quality Designation (%)  Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)  Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis</p>
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Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	HNu con. (ppm)	Visual Description	Elevation
1	S-1	2.0	2		BG	SAND; fine, little silt; brown to gray; dry; noncohesive	2.0'
2			2				
3			3				
3	A-N					SAND AND CLAY; brown; dry; cohesive	2.5'
4	S-2	1.7	3		BG	SAND; fine, little silt; brown to gray; dry; cohesive	6.2'
5			4				
6			5				
7	S-3	1.4	6		BG	SILT AND CLAY; orange to brown; dry; cohesive	9.8'
8			7				
9			8				
10.5	S-4	1.6	6		BG	SAND; fine; orange to gray; dry; noncohesive	Match to Sheet 2
			11				
			12				
			17				

DRILLING CO.: Graham & Currie

BAKER REP.: D. P. Black

DRILLER: R. Morrison

BORING NO.: 01SB18

SHEET 1 OF 2

# TEST BORING RECORD

Baker Environmental, Inc.

PROJECT: Camp Lejeune Site Investigations

S.O. NO.: 19003-50-SRN

BORING NO.: 01SB18

SAMPLE TYPE						DEFINITIONS	
S = Split Spoon	A = Auger					SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')	
T = Shelby Tube	W = Wash					RQD = Rock Quality Designation (%)	
R = Air Rotary	C = Core					Lab Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)	
D = Denison	P = Piston					Lab Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis	
N = No Sample							
Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	HNu (conc.) (ppm)	Visual Description	Elevation
11	11.0 S-4					Continued from Sheet 1 CLAY; some sand; orange; dry; cohesive	10.5'
12	12.0 A-N						12.3'
13	14.0 S-5	1.7	6 7 5 3		BG	SAND AND CLAY; orange; damp; cohesive	
14	15.0 A-N						15.2'
15	17.0 S-6	1.8	4 7 9 3		BG	SAND; fine; orange to beige; damp; somewhat cohesive Hit water at 16.5'	17.5'
16	19.0 S-7	1.8	5 10 2 5		BG	SAND; fine, some clay; beige	19.0'
17						End of Boring at 19.0'	
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

**APPENDIX B**  
**CHAIN-OF-CUSTODY RECORDS**

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# CHAIN-OF-CUS, JDY RECORD

No 001194

432969    432992    432970  
 432995    433013    433002

PROJECT NAME: Camp Lejeune SI										#	GC/MS		GC				INORGANICS		OTHER					SAMPLING INFO		REMARKS									
PROJECT NUMBER: 19003										No. of Bottles/Vials	624-8240	625-8270	TCL-VOA	TCL-SVOA	Other:	601-8010	602-8020	608-8080	8140	TCL PEST/PCB's	Herbicides	Other:	Metals (TCL)	Cyanide	TAL Metals	Other:	TOC	TOX	Oil & Grease	Pet. Hydro.	Phenols	MATRIX: Water/Soil	DATE	TIME	
SAMPLERS (SIGNATURE)																																	7/23/91		
PRINTED NAME																																			
CLIENT ID (9 CHARACTERS)																																			
1	2	3	4	5	6	7	8	9																											
<del>5</del>	<del>B</del>	<del>0</del>	<del>1</del>	<del>0</del>	<del>1</del>	<del>0</del>	<del>1</del>	<del>0</del>																											
0	1	S	B	0	1	0	0			2		X	X																						
0	1	S	B	0	1	1	2			2		X	X																						
0	1	S	B	0	2	0	0			2		X	X																						
<del>0</del>	<del>1</del>	<del>S</del>	<del>B</del>	<del>0</del>	<del>2</del>	<del>0</del>	<del>0</del>			<del>2</del>																									

note: other vials used from C.O.C. L.H. 7/25/91 11:15

note: cl. d. e 015B0114 was used instead of cl. d. 015B0114 which was not on the bottle L.H. 7/25/91

RECEIVED IN GOOD CONDITION :15  
 L.H. 7/25/91 11:15

RELINQUISHED BY: Eileen MacDonald	Date/Time: 7/29/91	RELINQUISHED BY:	Date/Time:	RELINQUISHED BY:	Date/Time:	SHIPPING INFORMATION	
COMPANY NAME: Baker Environmental	Date/Time: 5:00pm	COMPANY NAME:	Date/Time:	COMPANY NAME:	Date/Time:	Number of Shipping Containers: 1	
RECEIVED BY:	Date/Time:	RECEIVED BY: James Randon	Date/Time: 7/25/91	RECEIVED BY:	Date/Time:	Method of Shipment: Federal Express overnight	
COMPANY NAME:	Date/Time:	COMPANY NAME: Compuchem	Date/Time: 11:15	COMPANY NAME:	Date/Time:	Special Handling Requirements	
RELINQUISHED BY:	Date/Time:	RELINQUISHED BY:	Date/Time:	RELINQUISHED BY:	Date/Time:		
COMPANY NAME:	Date/Time:	COMPANY NAME:	Date/Time:	COMPANY NAME:	Date/Time:		

432990    432974    432987    432991  
 433011    433005    433010    433012

PROJECT NAME: <u>CAMP LETAUWE SI</u>									#	GC/MS			GC				INORGANICS					OTHER							MATRIX: Water/Soil		SAMPLING INFO	REMARKS				
PROJECT NUMBER: 19003-50									No. of Bottles/Vials	624-8240	625-8270	TCL-VOA	TCL-SVOA	Other:	601-8010	602-8020	608-8080	8140	TCL PEST/PCB's	Herbicides	Other:	Metals (TCL)	Cyanide	TAL Metals	Other:	TOC	TOX	Oil & Grease	Pet. Hydro.	Phenols				DATE	TIME	* IDUSE60 07/91 015B03135  note: d.l. used 015B0414.5 NOT ON COFC * RR 7/25/91 11:15
SAMPLERS (SIGNATURE)																																		Daniel Black		
PRINTED NAME									CLIENT ID (9 CHARACTERS)																											
1	2	3	4	5	6	7	8	9																												
0	1	S	B	0	2	1	A	2	X	X			X			X	X	S	15:37								Note: d.l. 2									
0	1	S	B	0	3	0	0	2	X	X			X			X	X	S	15:58								used from									
0	1	S	B	0	3	1	3.5	2	X	X			X			X	X	S	16:19								C.O.C.									
																														L.P.		7/25/91 11:15				

**RECEIVED IN  
GOOD CONDITION**

L.P. 7/25/91 11:15

RELINQUISHED BY: <u>Eileen MacDonald</u>	Date/Time <u>7/24/91</u>	RELINQUISHED BY:	Date/Time	RELINQUISHED BY:	Date/Time	SHIPPING INFORMATION	
COMPANY NAME: <u>Baker Environmental</u>	<u>5:00am</u>	COMPANY NAME:		COMPANY NAME:		Number of Shipping Containers- <u>1</u>	
RECEIVED BY:	Date/Time	RECEIVED BY: <u>Jane Rauden</u>	Date/Time	RECEIVED BY:	Date/Time	Method of Shipment	
COMPANY NAME:		COMPANY NAME: <u>CompuChem</u>	<u>11:15</u>	COMPANY NAME:		<u>Fed. Ex. via overnight</u>	
RELINQUISHED BY:	Date/Time	RELINQUISHED BY:	Date/Time	RELINQUISHED BY:	Date/Time	Special Handling Requirements	
COMPANY NAME:		COMPANY NAME:		COMPANY NAME:			



WMPUCHEM  
LABORATORIES

# CHAIN-OF-CUSTODY RECORD

No 001197

432983 432985  
433007 433008

PROJECT NAME: <i>Camp Lejeune</i>										#	GC/MS			GC				INORGANICS				OTHER				SAMPLING INFO		REMARKS						
PROJECT NUMBER: <i>19003-50</i>											No. of Bottles/Vials	624-8240	625-8270	TCL-VOA	TCL-SVOA	Other:	601-8010	602-8020	608-8080	8140	TCL PEST/PCB's	Herbicides	Other:	Metals (TCL)	Cyanide	TAL Metals	Other:		TOC	TOX	Oil & Grease	Pet. Hydro.	Phenols	MATRIX: Water/Soil
SAMPLERS (SIGNATURE)																																		
<i>David J. Black</i>																																		
PRINTED NAME																																		
CLIENT ID (9 CHARACTERS)																																		
1	2	3	4	5	6	7	8	9																										
0	1	S	B	0	4	0	0			2		X	X							X									S	7/23/91	17:00	<i>note: other d.d.s me from C.O.C. L.R. 7/25/91</i>		
0	1	S	B	0	4					2		X	X							X									S	16:43		<i>note: d.d.</i>		
0	1	S	B	0	4					2		X	X							X								S	17:16		<i>015B04</i>			
0	1	S	B	0	5	0	0			2		X	X							X								S	7/24/91	09:27	<i>is not used</i>			
																															<i>L.R. 7/25/91</i> <i>DO NOT REC. 11:15</i>			

RELINQUISHED BY: <i>Eileen MacDonald</i>	Date/Time <i>7/24/91</i>	RELINQUISHED BY:	Date/Time	RELINQUISHED BY:	Date/Time	SHIPPING INFORMATION	
COMPANY NAME: <i>Baker Environmental</i>	<i>5:00 pm</i>	COMPANY NAME:		COMPANY NAME:		Number of Shipping Containers-	
RECEIVED BY:	Date/Time	RECEIVED BY: <i>Lance Rauden</i>	Date/Time <i>7/25/91</i>	RECEIVED BY:	Date/Time	Method of Shipment <i>Fed. Ex.</i>	
COMPANY NAME:		COMPANY NAME: <i>Compuchem</i>	<i>11:15</i>	COMPANY NAME:			
RELINQUISHED BY:	Date/Time	RELINQUISHED BY:	Date/Time	RELINQUISHED BY:	Date/Time	Special Handling Requirements	
COMPANY NAME:		COMPANY NAME:		COMPANY NAME:			

# CHAIN-OF-CUSTODY RECORD

No 021555

PROJECT NAME: Camp Lejeune										#	GC/MS				GC				INORGANICS				OTHER				SAMPLING INFO		REMARKS					
PROJECT NUMBER: 19003-50-S&N											No. of Bottles/Vials	624-8240	625-8270	TCL-VOA	TCL-SVOA	Other:	601-8010	602-8020	608-8080	8140	TCL PEST/PCB's	Herbicides	Other:	Metals (TCL)	Cyanide	TAL Metals	Other:	TOC		TOX	Oil & Grease	Pet. Hydro.	Phenols	MATRIX: Water/Soil
SAMPLERS (SIGNATURE)										MATRIX: Water/Soil																			DATE					
Daniel P. Black										MATRIX: Water/Soil										7/24/91														
Daniel Black										MATRIX: Water/Soil																								
PRINTED NAME										MATRIX: Water/Soil																								
CLIENT ID (9 CHARACTERS)										MATRIX: Water/Soil																								
1	2	3	4	5	6	7	8	9	MATRIX: Water/Soil																									
0	1	S	B	0	5	1	3	5	2		X	X				X		X	X											S	433370 433420			
0	1	S	B	0	6	0	0		2		X	X				X		X	X										S	433376 433423				
0	1	S	B	0	6	1	3		2		X	X				X		X	X									S	433378 433424					

RECEIVED IN  
GOOD CONDITION <sup>7/24</sup>

RECEIVED IN  
GOOD CONDITION <sup>1/14</sup>

RELINQUISHED BY: Daniel P. Black	Date/Time: 7/25/91 1:23 PM	RELINQUISHED BY:	Date/Time:	RELINQUISHED BY:	Date/Time:	SHIPPING INFORMATION
COMPANY NAME: Baker Environmental		COMPANY NAME:		COMPANY NAME:		Number of Shipping Containers: 1
RECEIVED BY:	Date/Time:	RECEIVED BY:	Date/Time:	RECEIVED BY: Anthony H. Fisher	Date/Time: 7/26/91 10:00	Method of Shipment: Express Mail
COMPANY NAME:		COMPANY NAME:		COMPANY NAME: CompuChem		Special Handling Requirements:
RELINQUISHED BY:	Date/Time:	RELINQUISHED BY:	Date/Time:	RELINQUISHED BY:	Date/Time:	
COMPANY NAME:		COMPANY NAME:		COMPANY NAME:		



JMU PUCHEM  
LABORATORIES

# CHAIN-OF-CUS. JDY RECORD

No 021195

PROJECT NAME: <i>Camp Lejeune</i>		#	GC/MS		GC		INORGANICS		OTHER		SAMPLING INFO		REMARKS															
PROJECT NUMBER: <i>19003-50-SEN</i>		No. of Bottles/Vials	624-8240	625-8270	TCL-VOA	TCL-SVOA	Other:	601-8010	602-8020	608-8080	8140	TCL PEST/PCB's	Herbicides	Other:	Metals (TCL)	Cyanide	TAL Metals	Other:	TOC	TOX	Oil & Grease	Pet. Hydro.	Phenols	MATRIX: Water/Soil	DATE	TIME	RECEIVED IN GOOD CONDITION	
SAMPLERS (SIGNATURE) <i>Daniel P. Black</i>																												CLIENT ID (9 CHARACTERS)
PRINTED NAME <i>Daniel P. Black</i>		1	2	3	4	5	6	7	8	9																		
		0	1	S	B	0	7	0	0				X		X	X								S			433380 433425	
		0	1	S	B	0	7	1	3				X		X	X								S			433382 433426	
		0	1	S	B	0	8	0	0				X		X	X								S			433385 433427	

RECEIVED IN  
GOOD CONDITION  
*AMF*

RELINQUISHED BY: <i>Daniel P. Black</i>	Date/Time <i>7/25/91</i>	RELINQUISHED BY:	Date/Time	RELINQUISHED BY:	Date/Time	SHIPPING INFORMATION	
COMPANY NAME: <i>Baker Environmental</i>	<i>1:30 P</i>	COMPANY NAME:		COMPANY NAME:		Number of Shipping Containers-	
RECEIVED BY:	Date/Time	RECEIVED BY:	Date/Time	RECEIVED BY: <i>Anthony H. Fisher</i>	Date/Time <i>7/26/91</i>	Method of Shipment	<i>Express Mail</i>
COMPANY NAME:		COMPANY NAME:		COMPANY NAME: <i>Compuchem</i>	<i>10:00</i>		
RELINQUISHED BY:	Date/Time	RELINQUISHED BY:	Date/Time	RELINQUISHED BY:	Date/Time	Special Handling Requirements	
COMPANY NAME:		COMPANY NAME:		COMPANY NAME:			





# CHAIN-OF-CUSTODY RECORD

PROJECT NAME: <u>Comp Lejunk</u>									#	GC/MS				GC				INORGANICS				OTHER				SAMPLING INFO		REMARKS					
PROJECT NUMBER: <u>19003 SD-SBN</u>										No. of Bottles/Vials	624-8240	625-8270	TCL-VOA	TCL-SVOA	Other:	601-8010	602-8020	608-8080	8140	TCL PEST/PCB's	Herbicides	Other:	Metals <u>TCL</u>	Cyanide	TAL Metals	Other:	TOC		TOX	Oil & Grease	Pet Hydro.	Phenols	MATRIX: Water/Soil
SAMPLERS SIGNATURE																																	
<u>Dan P. Black</u>																				7/25/91				<b>RECEIVED IN GOOD CONDITION</b>									
																										PRINTED NAME							
CLIENT ID (9 CHARACTERS)																																	
1	2	3	4	5	6	7	8	9																									
0	1	S	B	1	2	0	0		2		X	X					X				X	X						S	8:35A	433405	433439		
0	1	S	B	1	2	1	6		2		X	X					X				X	X					S	9:43A	433406	433444			
0	1	S	B	1	3	0	0		2		X	X					X				X	X					S	10:10A	433400	433431			
																						<b>RECEIVED IN GOOD CONDITION</b>											
																						<u>AMF</u>											

RELINQUISHED BY:	<u>Eileen M. ...</u>	Date/Time	7/25/91	RELINQUISHED BY:		Date/Time		RELINQUISHED BY:		Date/Time		SHIPPING INFORMATION	
COMPANY NAME:	<u>Baker Environmental</u>	Date/Time	2:00pm	COMPANY NAME:		Date/Time		COMPANY NAME:		Date/Time		Number of Shipping Containers-	
RECEIVED BY:		Date/Time		RECEIVED BY:	<u>Anthony M. Fisher</u>	Date/Time	7/26/91	COMPANY NAME:	<u>Compchem</u>	Date/Time	10:00	Method of Shipment	
COMPANY NAME:		Date/Time		COMPANY NAME:		Date/Time		COMPANY NAME:		Date/Time		Express Mail	
RELINQUISHED BY:		Date/Time		RELINQUISHED BY:		Date/Time		RELINQUISHED BY:		Date/Time		Special Handling Requirements	
COMPANY NAME:		Date/Time		COMPANY NAME:		Date/Time		COMPANY NAME:		Date/Time			

PROJECT NAME: <i>Camp Lejeune</i>		#	GC/MS	GC			INORGANICS			OTHER			SAMPLING INFO		REMARKS												
PROJECT NUMBER: <i>19003-SD-SRN</i>		No. of Bottles/Vials	624-8240	625-8270	TCL-VOA	TCL-SVOA	Other:	601-8010	602-8020	608-8080	8140	TCL PEST/PCB's	Herbicides	Other:	Metals (TCL)	Cyanide	TAL Metals	Other:	TOC	TOX	Oil & Grease	Pet Hydro.	Phenols	MATRIX: Water/Soil	DATE	TIME	RECEIVED IN GOOD CONDITION <i>7/24</i>
SAMPLERS (SIGNATURE) <i>Daniel P. Black</i>																									1	2	
PRINTED NAME <i>Dan Black</i>		CLIENT ID (9 CHARACTERS)																									
<i>0</i>		<i>1</i>	<i>S</i>	<i>B</i>	<i>1</i>	<i>3</i>	<i>1</i>	<i>6</i>				<i>X</i>			<i>X</i>	<i>X</i>								<i>S</i>	<i>10:45am</i>	<i>433403 433433</i>	
<i>0</i>		<i>1</i>	<i>S</i>	<i>B</i>	<i>1</i>	<i>4</i>	<i>0</i>	<i>0</i>				<i>X</i>			<i>X</i>	<i>X</i>								<i>S</i>	<i>11:07am</i>	<i>433404 433435</i>	
<i>0</i>		<i>1</i>	<i>S</i>	<i>B</i>	<i>1</i>	<i>4</i>	<i>1</i>	<i>6</i>				<i>X</i>			<i>X</i>	<i>X</i>								<i>S</i>	<i>11:32am</i>	<i>433407 433445</i>	

**RECEIVED IN  
GOOD CONDITION**  
*AMF*

RELINQUISHED BY: <i>Elen Mae Donald</i>	Date/Time	RELINQUISHED BY:	Date/Time	RELINQUISHED BY:	Date/Time	SHIPPING INFORMATION	
COMPANY NAME: <i>Baker Environmental</i>		COMPANY NAME:		COMPANY NAME:		Number of Shipping Containers- <i>1</i>	Method of Shipment <i>US Express Mail</i>
RECEIVED BY:	Date/Time	RECEIVED BY: <i>Anthony M. Foster</i>	Date/Time <i>7/26/91</i>	COMPANY NAME: <i>CompuChem</i>	Date/Time <i>10:00</i>		
COMPANY NAME:		COMPANY NAME:		COMPANY NAME:		Special Handling Requirements	



MPUCHEM  
LABORATORIES

# CHAIN-OF-CUSTODY RECORD

700  
909  
898  
909  
905  
916

No 019863

PROJECT NAME: <u>Camp Lejeune</u>										#	GC/MS		GC				INORGANICS			OTHER				SAMPLING INFO		REMARKS																																				
PROJECT NUMBER: <u>19003-50-SR0</u>											No. of Bottles/Vials	624-8240	625-8270	TCL-VOA	TCL-SVOA	Other:	601-8010	602-8020	608-8080	8140	TCL PEST/PCB's	Herbicides	Other:	Metals	Cyanide		TAL Metals	Other:	TOC	TOX	Oil & Grease	Pet. Hydro.	Phenols	MATRIX: Water/Soil	DATE	TIME																										
SAMPLERS (SIGNATURE)										624-8240		625-8270	TCL-VOA	TCL-SVOA	Other:	601-8010	602-8020	608-8080	8140	TCL PEST/PCB's	Herbicides	Other:	Metals	Cyanide	TAL Metals	Other:	TOC	TOX	Oil & Grease	Pet. Hydro.	Phenols	MATRIX: Water/Soil	DATE		TIME																											
PRINTED NAME <u>Daniel P. Black</u>											DATE																						TIME																													
CLIENT ID (9 CHARACTERS)										1	2	3	4	5	6	7	8	9																																												
0	1	5	B	1	1	0	0																												X	X	X	X	X																						7:38A	
0	1	5	B	1	1	1	6																												X	X	X	X	X																							8:11A
0	1	5	B	1	6	0	0																												X	X	X	X	X																							

**RECEIVED IN GOOD CONDITION**  
A117

RELINQUISHED BY: <u>Daniel P. Black</u> Date/Time: <u>7/25/91</u>	RELINQUISHED BY: Date/Time:	RELINQUISHED BY: Date/Time:	RELINQUISHED BY: Date/Time:	SHIPPING INFORMATION	
COMPANY NAME: <u>Baker Environmental</u>	COMPANY NAME:	COMPANY NAME:	COMPANY NAME:	Number of Shipping Containers- Method of Shipment	
RECEIVED BY:	RECEIVED BY: Date/Time:	RECEIVED BY: <u>Anthony W Fisher</u> Date/Time: <u>7/27/91</u>	RECEIVED BY:	Express Mail	
COMPANY NAME:	COMPANY NAME:	COMPANY NAME: <u>MPUCHEM</u>	COMPANY NAME:	Special Handling Requirements	
RELINQUISHED BY:	RELINQUISHED BY: Date/Time:	RELINQUISHED BY: Date/Time:	RELINQUISHED BY: Date/Time:		
COMPANY NAME:	COMPANY NAME:	COMPANY NAME:	COMPANY NAME:		



# CHAIN-OF-CUSTODY RECORD

433 902  
 ↓  
 913  
 900  
 911  
 901  
 912

No 021453

PROJECT NAME: CAMP LEJEUNE										#	GC/MS				GC				INORGANICS				OTHER						SAMPLING INFO		REMARKS												
PROJECT NUMBER: 19003-50-SRW											No. of Bottles/Vials	624-8240	625-8270	TCL-VOA	TCL-SVOA	Other:	601-8010	602-8020	608-8080	8140	TCL PEST/PCB's	Herbicides	Other:	Metals (TCL)	Cyanide	TAL Metals	Other:	TOC	TOX	Oil & Grease		Pet. Hydro.	Phenols	MATRIX: Water/Soil	DATE	TIME							
SAMPLERS (SIGNATURE)																																			Daniel P. Black								
PRINTED NAME										CLIENT ID (9 CHARACTERS)																																	
1	2	3	4	5	6	7	8	9																																			
0	1	S	B	1	5	0	0											X	X																							3:00P	
0	1	S	B	1	5	0	0	D										X	X																							3:00P	
0	1	S	B	1	5	1	6											X	X																							3:27P	

RECEIVED IN  
 GOOD CONDITION  
 7/25/91

RELINQUISHED BY: <i>Eileen Macdonald</i>	Date/Time 7/24/91	RELINQUISHED BY:	Date/Time	RELINQUISHED BY:	Date/Time	SHIPPING INFORMATION	
COMPANY NAME: Baker Environmental	9:05	COMPANY NAME:		COMPANY NAME:		Number of Shipping Containers- /	
RECEIVED BY:	Date/Time	RECEIVED BY:	Date/Time	RECEIVED BY: <i>Anthony M. Fisher</i>	Date/Time 7/27/91	Method of Shipment Express Mail	
COMPANY NAME:		COMPANY NAME:		COMPANY NAME: <i>CompuChem</i>	10:00		
RELINQUISHED BY:	Date/Time	RELINQUISHED BY:	Date/Time	RELINQUISHED BY:	Date/Time	Special Handling Requirements	
COMPANY NAME:		COMPANY NAME:		COMPANY NAME:			



# CHAIN-OF-CUSTODY RECORD

433 876  
 957  
 899  
 910  
 906  
 917

No 9864

PROJECT NAME: <u>Camp Lejeune</u>										#	GC/MS		GC				INORGANICS			OTHER					SAMPLING INFO		REMARKS											
PROJECT NUMBER: <u>19003-SD sen</u>											No. of Bottles/Vials	624-8240	625-8270	TCL-VOA	TCL-SVOA	Other:	601-8010	602-8020	608-8080	8140	TCL PEST/PCB's	Herbicides	Other:	Metals - <u>TCL</u>	Cyanide	TAL Metals		Other:	TOC	TOX	Oil & Grease	Pet. Hydro.	Phenols	MATRIX: Water/Soil	DATE	TIME		
1	2	3	4	5	6	7	8	9	DATE	TIME																												
0	1	S	B	0	9	1	3			2		X	X																								7/24	3:44 P
0	1	S	B	1	0	0	0			2		X	X																								7/24	4:44 P
0	1	S	B	1	8	0	0			2		X	X																							7/26	8:20 am	

RECEIVED IN  
GOOD CONDITION

*ALL*

RELINQUISHED BY: <u>Eileen P. Madonia</u>	Date/Time <u>7/26/01</u>	RELINQUISHED BY:	Date/Time	RELINQUISHED BY:	Date/Time	SHIPPING INFORMATION	
COMPANY NAME: <u>Baker Environmental</u>	<u>9:30 A</u>	COMPANY NAME:		COMPANY NAME:		Number of Shipping Containers-	
RECEIVED BY:	Date/Time	RECEIVED BY:	Date/Time	RECEIVED BY: <u>Anthony M. Yush</u>	Date/Time <u>7/27/01</u>	Method of Shipment	<u>Express Mail</u>
COMPANY NAME:		COMPANY NAME:		COMPANY NAME: <u>Compuchem</u>	<u>10:00</u>	Special Handling Requirements	
RELINQUISHED BY:	Date/Time	RELINQUISHED BY:	Date/Time	RELINQUISHED BY:	Date/Time		
COMPANY NAME:		COMPANY NAME:		COMPANY NAME:			

# CHAIN-OF-CUSTODY RECORD

43J 42J  
930-  
923  
919

No 021454

PROJECT NAME: <i>Camp Lejeune</i>										#	GC/MS			GC			INORGANICS			OTHER			SAMPLING INFO		REMARKS									
PROJECT NUMBER: <i>19003-50-SRW</i>											No. of Bottles/Vials	624-8240	625-8270	TCL-VOA	TCL-SVOA	Other:	601-8010	602-8020	608-8080	8140	TCL PEST/PCB's	Herbicides	Other:	Metals		Cyanide	TAL Metals	Other:	TOC	TOX	Oil & Grease	Pet. Hydro.	Phenols	MATRIX: Water/Soil
SAMPLERS (SIGNATURE)										<i>Daniel P. Black</i>															<i>7/25/91</i>									
PRINTED NAME										<i>Daniel Black</i>																								
CLIENT ID (9 CHARACTERS)																																		
1	2	3	4	5	6	7	8	9																										
<i>O</i>	<i>I</i>	<i>R</i>	<i>O</i>	<i>I</i>					<i>5</i>		<i>X</i>																							
<i>T</i>	<i>R</i>	<i>I</i>	<i>P</i>	<i>B</i>	<i>L</i>				<i>2</i>		<i>X</i>																							

*4:11pm*  
*preserve in house!*

**RECEIVED IN**

*AM 7*

RELINQUISHED BY: <i>Eileen P. MacDonald</i> COMPANY NAME: <i>Baker Environmental</i> RECEIVED BY:  COMPANY NAME: 	Date/Time <i>7/26/91</i> <i>9:00</i>	RELINQUISHED BY:  COMPANY NAME: RECEIVED BY: <i>Anthony Fisher</i> COMPANY NAME: <i>CompuChem</i>	Date/Time   <i>7/27/91</i> <i>10:00</i>	RELINQUISHED BY:  COMPANY NAME: RECEIVED BY:  COMPANY NAME: 	Date/Time     	<b>SHIPPING INFORMATION</b> Number of Shipping Containers- Method of Shipment Special Handling Requirements
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# CHAIN-OF-CUS. JDY RECORD

400 100  
936  
923

No 021198

PROJECT NAME: <i>Camp Lejeune</i>											#	GC/MS				GC				INORGANICS				OTHER				SAMPLING INFO		REMARKS						
PROJECT NUMBER: <i>19003-JDSRN</i>											No. of Bottles/Vials	624-8240	625-8270	TCL-VOA	TCL-SVOA	Other:	601-8010	602-8020	608-8080	8140	TCL PEST/PCB's	Herbicides	Other:	Metals (TCL)	Cyanide	TAL Metals	Other:	TOC	TOX	Oil & Grease	Pet. Hydro.	Phenols	MATRIX: Water/Soil	DATE	TIME	
SAMPLERS (SIGNATURE)																																				
PRINTED NAME																																				
CLIENT ID (9 CHARACTERS)																																				
1	2	3	4	5	6	7	8	9																												
<i>OIROI</i>											<i>1</i>												<i>X</i>													
											<i>2</i>												<i>X</i>													
											<i>A</i>	<i>X</i>												<i>X</i>			<i>W</i>	<i>4:11pm</i>	<i>preserve in house</i>							
																										<i>W</i>										

**RECEIVED IN GOOD CONDITION**  
*AMF*

RELINQUISHED BY: <i>Eileen P. McNamee</i>	Date/Time: <i>7/26/91</i>	RELINQUISHED BY:	Date/Time:	RELINQUISHED BY:	Date/Time:	SHIPPING INFORMATION	
COMPANY NAME: <i>Barker Environmental</i>	<i>9:00</i>	COMPANY NAME:		COMPANY NAME:		Number of Shipping Containers:	
RECEIVED BY:	Date/Time:	RECEIVED BY:	Date/Time:	RECEIVED BY: <i>Anthony M. Fisher</i>	Date/Time: <i>7/27/91</i>	Method of Shipment: <i>Air Express</i>	
COMPANY NAME:		COMPANY NAME:		COMPANY NAME: <i>Compuchem</i>	<i>10:00</i>		
RELINQUISHED BY:	Date/Time:	RELINQUISHED BY:	Date/Time:	RELINQUISHED BY:	Date/Time:	Special Handling Requirements	
COMPANY NAME:		COMPANY NAME:		COMPANY NAME:			





# CHAIN-OF-CUSTODY RECORD

No 019866

433 903  
914  
904  
915  
907  
918

PROJECT NAME: <u>CAMP LETENNE</u>										#	GC/MS	GC	INORGANICS	OTHER	SAMPLING INFO		REMARKS															
PROJECT NUMBER: <u>19003-50-SRN</u>															DATE	TIME																
SAMPLERS (SIGNATURE) <i>[Signature]</i>										No. of Bottles/Vials	624-8240	625-8270	TCL-VOA	TCL-SVOA			Other:	601-8010	602-8020	608-8080	8140	TCL PEST/PCB's	Herbicides	Other:	Metals	Cyanide	TAL Metals	Other:	TOC	TOX	Oil & Grease	Pet. Hydro.
PRINTED NAME <u>Daniel P. Black</u>																																
CLIENT ID (9 CHARACTERS)																																
1	2	3	4	5	6	7	8	9																								
0	1	S	B	1	6	1	6					4:33P																				
0	1	S	B	1	7	0	0					5:25P																				
0	1	S	B	1	7	1	6					↓ 5:54P																				

RECEIVED IN  
GOOD CONDITION  
AMH

RELINQUISHED BY: <u>Daniel P. Black</u>	Date/Time <u>7-25-91</u>	RELINQUISHED BY:	Date/Time	RELINQUISHED BY:	Date/Time	SHIPPING INFORMATION Number of Shipping Containers- / Method of Shipment <u>Express Mail</u>
COMPANY NAME: <u>Silver Environmental</u>	<u>9:00A</u>	COMPANY NAME:		COMPANY NAME:		
RECEIVED BY:	Date/Time	RECEIVED BY:	Date/Time	RECEIVED BY: <u>Anthony M. Frullo</u>	Date/Time <u>7/27/91</u>	
COMPANY NAME:		COMPANY NAME:		COMPANY NAME: <u>CompuChem</u>	<u>10:00</u>	
RELINQUISHED BY:	Date/Time	RELINQUISHED BY:	Date/Time	RELINQUISHED BY:	Date/Time	Special Handling Requirements
COMPANY NAME:		COMPANY NAME:		COMPANY NAME:		



# CHAIN-OF-CUS. JDY RECORD

No 001851

438948, 438951, 438953

PROJECT NAME: <u>CAMP LEJEUNE</u>										#	GC/MS		GC		INORGANICS			OTHER				MATRIX: Water/Soil		SAMPLING INFO		REMARKS								
PROJECT NUMBER: <u>19003-50-SRN</u>										No. of Bottles/Vials	624-8240	625-8270	TCL-VOA	TCL-SVOA	Other:	601-8010	602-8020	608-8080	8140	TCL PEST/PCB's	Herbicides	Other:	Metals (TCL)	Cyanide	TAL Metals	Other:	TOC	TOX	Oil & Grease	Pet. Hydro.	Phenols	DATE	TIME	
1	2	3	4	5	6	7	8	9	DATE																									
SAMPLERS SIGNATURE: <u>Daniel P. Black</u> PRINTED NAME: <u>DANIEL BLACK</u> CLIENT ID (9 CHARACTERS):																										8/20/91	3:15 PM							
0	1	R	0	8	2	0					XX					X		XX							W		ED for Trip Blank							
T	R	(	P	B	L	A	N	K			X													W		Lab Pure ZK 8/21/91 9:30 a.m/								

RECEIVED IN GOOD CONDITION  
 ZK 8/21/91  
 9:30 a.m/

RELINQUISHED BY: <u>Daniel P. Black</u>	Date/Time: <u>8/20/91</u>	RELINQUISHED BY:	Date/Time:	RELINQUISHED BY:	Date/Time:	SHIPPING INFORMATION	
COMPANY NAME: <u>Baker Environmental</u>	Date/Time: <u>4:10P</u>	COMPANY NAME:		COMPANY NAME:		Number of Shipping Containers-	
RECEIVED BY:	Date/Time:	RECEIVED BY: <u>Reginald Dambin</u>	Date/Time: <u>8/21/91</u>	RECEIVED BY:	Date/Time:	Method of Shipment <u>Express Mail</u>	
COMPANY NAME:		COMPANY NAME: <u>MPUCHEM</u>	Date/Time: <u>9:20am</u>	COMPANY NAME:			
RELINQUISHED BY:	Date/Time:	RELINQUISHED BY:	Date/Time:	RELINQUISHED BY:	Date/Time:	Special Handling Requirements	
COMPANY NAME:		COMPANY NAME:		COMPANY NAME:			

**APPENDIX C**  
**SAMPLING SUMMARY LOG**

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SAMPLE LOGBOOK      FRENCH CREEK SITE ASSESSMENT

BAKER SAMPLE NUMBER	DATE SAMPLE COLLECTED	TIME SAMPLE COLLECTED	DATE SAMPLE SHIPPED	PROBLEMS/COMMENTS
01SB0100	7/23	2:27	7/24	
01SB0114	7/23	2:55	7/24	
01SB0200	7/23	3:12	7/24	
01SB0214	7/23	3:37	7/24	
01SB0300	7/23	3:58	7/24	
01SB03135	7/23	4:19	7/24	
01SB0400	7/23	4:43	7/24	
01SB0413	7/23	5:16	7/24	
01SB0500	7/24	9:27	7/24	
01SB05135	7/24	9:57	7/25	
01SB0600	7/24	10:26	7/25	
01SB0613	7/24	10:53	7/25	
01SB0700	7/24	11:41	7/25	
01SB0713	7/24	12:07	7/25	
01SB0800	7/24	2:13	7/25	
01SB0813	7/24	2:40	7/25	
01SB0900	7/24	3:20	7/25	
01SB0913	7/24	3:44	7/25	date of receipt by lab 7/26; COC # 021556
01SB1000	7/24	4:44	7/26	
01SB1016	7/24	5:19	7/26	mislabled in field; referred to as 01SB0913 date of receipt by lab 7/27; COC # 019864
01SB1100	7/25	7:38	7/26	
01SB1116	7/25	8:11	7/26	
01SB1200	7/25	8:35	7/25	
01SB1216	7/25	9:43	7/25	
01SB1300	7/25	10:10	7/25	
01SB1316	7/25	10:45	7/25	
01SB1400	7/25	11:03	7/25	
01SB1416	7/25	11:32	7/25	
01SB1500	7/25	3:00	7/26	
01SB1500D	7/25	3:00	7/26	
01SB1516	7/25	3:27	7/26	
01SB1600	7/25	4:10	7/26	
01SB1616	7/25	4:33	7/26	
01SB1700	7/25	5:25	7/26	
01SB1716	7/25	5:54	7/26	
01SB1800	7/26	8:20	7/26	
01SB1816	7/26	8:43	7/29	
01R01	7/26	4:11	7/26	Rinsate; problem at lab
01R0820	8/20		8/20	Rinsate collected to replace 01R01

**APPENDIX D**  
**ORGANIC DATA VALIDATION REPORTS**

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1 WESTON WAY  
WEST CHESTER, PA 19380-1449  
PHONE: 215-692-3030  
FAX: 215-430-3124

09 September 1991

Baker Environmental, Inc.  
Airport Office Park, Building 3  
420 Rouser Road  
Coraopolis, Pennsylvania 15108

Attention: Mr. Raymond P. Wattras

Dear Mr. Wattras:

Enclosed are the completed organic data validation reports for Case 23664, SDG# 1 and 21.

For any future data package shipments, please send them to my attention at the address specified below. This will help expedite the validation process.

ROY F. WESTON, INC.  
One Weston Way  
Building 9-2  
West Chester, Pennsylvania 19380

Should you have any questions or comments on this data validation, please do not hesitate to contact me at (215) 344-3745.

Very Truly Yours,

ROY F. WESTON, INC.

Zohreh Hamid, Ph.D.  
Section Manager  
Analytics Division

ZH/kms

Attachments



1 WESTON WAY  
WEST CHESTER, PA 19380-1449  
PHONE: 215-692-3030  
FAX: 215-430-3124

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ORGANIC QUALITY ASSURANCE REVIEW  
SITE: BAKER (CLEAN)  
CASE: 23664  
SDG: 21

REVIEW PERFORMED BY  
THE ANALYTICS DIVISION  
OF  
ROY F. WESTON, INC.

PREPARED BY: Kelly Muir Spittler  
Kelly Muir Spittler  
Unit Leader - Data Validation

9-9-91  
Date

VERIFIED BY: Zohreh Hamid  
Zohreh Hamid, Ph.D.  
Section Manager - Data Validation

9-9-91  
Date

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SITE: BAKER (CLEAN)  
CASE: 23664  
SDG: # 21

INTRODUCTION

This quality assurance review is based upon a review of all data generated from twenty (20) soil samples collected on 7/24-28/91. The samples were analyzed according to criteria set forth in contract laboratory program (CLP) for TCL target compounds.

This review has been performed in accordance with the confirmation method. The reported analytical results are presented as a summary of the data in Attachment III. All of the analytical data were examined to determine the usability of the analytical results and also to determine contractual compliance relative to the analytical requirements and deliverables specified for CLP method. The applicable qualifier codes have been placed next to the results in the data summary to indicate the qualitative and/or quantitative reliability. The details of this evaluation review are presented in the memo section of this report.

All data have been validated with regard to usability according to the quality assurance set forth in the Functional Guidelines for evaluation of organic analysis for completion of the Data Validation Report Forms and preparation of the final data validation report. If you have any questions or comments on this data review, please call Zohreh Hamid at (215) 344-3745.

QUALITY ASSURANCE REVIEW

The analyses of the samples were performed by CompuChem Laboratories, Inc.

The findings offered in this report are based upon a rigorous review of the following criteria:

- Data completeness
- Holding times
- \* • GC/MS tuning
- Calibration
- \* • Blanks
- Surrogate recoveries
- \* • Matrix spike/spike duplicate
- \* • Internal standard
- \* • Instrument performance
- \* • Compound identification
- \* • Compound quantitations
  
- \* Criteria are met for the parameters.





SITE: BAKER (CLEAN)  
CASE: 23664  
SDG: #21  
PAGE 2 OF 6

EVALUATION BY FRACTION

I. Volatiles

- Holding Time
- Surrogate Recovery
- MS/MSD
- Blank
- GC/MS Tuning
- Initial Calibration
- Continuing Calibration
- Compound ID (HSL, TIC)
- Standards
- Spectra Quality
- Chromatography
- Data Completeness

OVERVIEW

Twenty soil samples were analyzed within the holding time for volatile target compounds.

The surrogate recoveries and internal standards criteria were within the QC limits. The matrix spike/spike duplicate recoveries met the quality control limits. Overall, no major problems were encountered during the sample analysis and the data are considered representative.

ISSUES

Methylene chloride and acetone are detected in the laboratory method blanks at levels less than 5x CRQL. These compounds were reported in the samples at the comparable levels to the blanks. Therefore, the reported results are elevated to CRQL and are flagged "U" and should be considered as quantitation limits.

Up to six (6) compounds had %RSD and/or %D above 30% and 25% in initial and continuing calibration. The %Differences for acetone in all calibrations and 2-hexanone on calibration analyzed on 7-30-91 are exceeded 50%. Also %Ds for methylene chloride was 99.9% and 69% in continuing calibration standards analyzed on 7-30-91 and 8-1-91, respectively. The reported results for acetone and methylene chloride have already been qualified due to the blank contamination. The reported quantitation limits for 2-hexanone are qualified estimated for the associated samples.



SITE: BAKER (CLEAN)  
CASE: 23664  
SDG: #21  
PAGE 3 OF 6

EVALUATION BY FRACTION

II. Base/Neutral/Acids

- Holding Time
- Extraction Time
- Surrogate Recovery
- Blank
- MS/MSD
- GC/MS Tuning
- Initial Calibration
- Continuing Calibration
- Compound ID (HSL, TIC)
- Standards
- Spectra Quality
- Chromatography
- Data Completeness

OVERVIEW

Twenty (20) soil samples were extracted/analyzed according to the Contract Laboratory Program (CLP) for semivolatile target compounds.

All surrogate recoveries, internal standard areas and matrix spike analysis were within the control limits. The contractual holding time was met for all samples. The minor problem associated with the analysis are listed in the following section.

ISSUES

The chromatogram for samples 01S131400 and DISB1600 elevated due to the non target compound contaminations. Surrogate and internal standard recoveries were within the established control limits, therefore, the quantitation of the data are not impacted.

Aldol condensation products, solvent contaminants and unknown hydrocarbons were reported as TIC compounds in the samples. Most of the unknowns could be grouped as aliphatic hydrocarbons and PNAs, however, specific compounds could not be identified with the exception of sulfur.

Instrument ID on form V for initial calibration analysis performed on 8-4-91 is inadvertently identified as #20. This ID number should be changed to #21. The form V should be corrected and resubmitted by the laboratory.



SITE: BAKER (CLEAN)  
CASE: 23664  
SDG: #21  
PAGE 4 OF 6

Di-n-butylphthalate and bis(2-ethylhexyl)phthalate were detected in the samples at level less than CRQL. These compounds are also detected in the laboratory blanks at levels less than 5x the CRQL. Therefore, the reported sample results are elevated to the corresponding CRQL, are flagged "U," and should be considered as detection limits.

Benzo(a)pyrene was detected in sample 01SB1716 at a level above the CRQL.

Up to twelve (12) compounds had %D above 25% in continuing calibrations. These compounds were not detected in the samples, also the percent differences were less than 50%, with the exception of 2,4,6-trichlorophenol in the calibration analyzed on 08-02-91. The reported quantitation limits for this compound are qualified "UJ" in the data summary for the associated samples.



SITE: BAKER (CLEAN)  
CASE: 23664  
SDG: #21  
PAGE 5 OF 6

EVALUATION BY FRACTION

III. Pesticides/PCB

- Holding Time
- Extraction Time
- Surrogate Recovery
- MS/MSD
- Blank
- Linearity Calibration
- DDT/Endrin Degradation
- Analytical Sequence
- DBC Retention Time
- Continuing Calibration
- Retention Time Window
- Standards
- Chromatography
- HSL Compounds
- Data Completeness

OVERVIEW

Twenty (20) samples were extracted/analyzed for Pesticides/PCB target compounds.

ISSUES

The DBC surrogate recovery criteria are not met in the following samples:

<u>Sample ID</u>	<u>%Recovery</u>	<u>QC Limits</u>
01SB1600	3%	20-150
01SB1416	0%	20-150
01SB1500	0%	20-150
01SB1500D	0%	20-150
43SB0200	12%	20-150

The laboratory case narrative stated that these samples were reextracted/reanalyzed, however, the reanalysis data are not included in the data package.

The reported sample data for samples 01SB1416, 01SB1500 and 01SB1500D are qualified estimated due to the 0% surrogate recovery. The other samples which have recoveries above 0% are not qualified because the DBC recovery is advisory limit in the Pesticide/PCB fraction.

WESTON

SITE: BAKER (CLEAN)  
CASE: 23664  
SDG: #21  
PAGE 6 OF 6

The confirmation analysis was performed on 8/2-4/91 on the RTX-1701 column. The corresponding quantitation analysis was not performed for the associated samples (O1SB1600, O1SB1616 and O1SB0913). Only Endosulfan II, DDT and endrin ketone were quantified in this column, therefore, the reported data are considered "tentative" and are qualified estimated.

The QC samples (MS & MSD) were extracted one day outside the 10-day extraction holding time. Even though the reported data are considered estimated for these QC samples, the corresponding sample results are not impacted.



## GLOSSARY OF DATA QUALIFIERS

### CODES RELATING TO IDENTIFICATION

(confidence concerning presence or absence of compounds):

- U = NOT DETECTED, SUBSTANTIALLY ABOVE THE LEVEL REPORTED IN LABORATORY OR FIELD BLANKS.
- R = UNRELIABLE RESULT. ANALYTE MAY OR MAY NOT BE PRESENT IN THE SAMPLE. SUPPORTING DATA NECESSARY TO CONFIRM RESULT.
- N = NEGATED COMPOUND WAS CONSIDERED AS NOT PRESENT IN THE SAMPLE.

(NO CODE) = CONFIRMED IDENTIFICATION

### CODES RELATING TO QUANTITATION

(can be used for both positive results and sample quantitation limits):

- J = ANALYTE PRESENT. REPORTED VALUE MAY NOT BE ACCURATE OR PRECISE.
- L = ANALYTE PRESENT. REPORTED VALUE MAY BE BIASED LOW. ACTUAL VALUE IS EXPECTED TO BE HIGHER.
- UJ = THE REPORTED QUANTITATION LIMITS ARE QUALIFIED ESTIMATED.
- UL = NOT DETECTED. QUANTITATION LIMIT MAY BE HIGHER.

### OTHER CODES

- Q = NO ANALYTICAL RESULT.

WESTON ANALYTICS  
GC/MS DATA SUMMARY  
VOLATILE HAZARDOUS SUBSTANCE LIST COMPOUNDS

Case Number: 23664    SDG #1    Client:    BAKER    Page: 1

	Cust ID: 01SB0100	01SB0114	01SB0200	01SB0214	01SB0300	01SB03135
Sample Information	Matrix: Soil	Soil	Soil	Soil	Soil	Soil
	D.F.: 1	1	1	1	1	1
	Units: ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg

Chloromethane.....						
Bromomethane.....						
Vinyl chloride.....						
Chloroethane.....						
Methylene Chloride.....	22 U	13 U	19 U	10 U	19 U	11 U
Acetone.....	29 U	35 U	12 U			
Carbon Disulfide.....						
1,1-Dichloroethene.....						
1,1-Dichloroethane.....						
Trans-1,2-Dichloroethene.....						
Chloroform.....						
1,2-Dichloroethane.....						
2-Butanone.....						
1,1,1-Trichloroethane.....						
Carbon Tetrachloride.....						
Vinyl Acetate.....						
Bromodichloromethane.....						
1,2-Dichloropropane.....						
Trans-1,3-Dichloropropene.....						
Trichloroethene.....						
Dibromochloromethane.....						
1,1,2-Trichloroethane.....						
Benzene.....						
cis-1,3-Dichloropropene.....						
2-Chloroethylvinylether.....						
Bromoform.....						
4-Methyl-2-pentanone.....			UJ		UJ	UJ
2-Hexanone.....			UJ		UJ	UJ

=====  
Case Number: 23664 Client: BAKER Page: 1  
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Cust ID: 01SB0100 01SB0114 01SB0200 01SB0214 01SB0300 01SB03135

=====fl=====fl=====fl=====fl=====fl=====fl=====fl

Tetrachloroethene.....  
1,1,2,2-Tetrachloroethane.....  
Toluene..... 1 J  
Chlorobenzene.....  
Ethylbenzene.....  
Styrene.....  
Total Xylenes.....



WESTON ANALYTICS  
GC/MS DATA SUMMARY  
VOLATILE HAZARDOUS SUBSTANCE LIST COMPOUNDS

=====  
Case Number: 23664    SDG#1    Client:    BAKER    Page: 2  
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Cust ID: 01SB0400    01SB04145    01SB0500    01SB05135    01SB0600    01SB0613

Sample Information    Matrix:    Soil    Soil    Soil    Soil    Soil    Soil

                          D.F.:    1    1    1    1    1    1

                          Units:    ug/kg    ug/kg    ug/kg    ug/kg    ug/kg    ug/kg

=====  
=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====

Chloromethane.....

Bromomethane.....

Vinyl Chloride.....

Chloroethane.....

Methylene Chloride.....    15 U    17 U    13 U    19 U    21 U    16 U

Acetone.....    11 U    11 U    17 U    12 U    23 U

Carbon Disulfide.....

1,1-Dichloroethene.....

1,1-Dichloroethane.....

Trans-1,2-Dichloroethene.....

Chloroform.....

1,2-Dichloroethane.....

2-Butanone.....

1,1,1-Trichloroethane.....

Carbon Tetrachloride.....

Vinyl Acetate.....

Bromodichloromethane.....

1,2-Dichloropropane.....

Trans-1,3-Dichloropropene.....

Trichloroethene.....

Dibromochloromethane.....

1,1,2-Trichloroethane.....

Benzene.....

cis-1,3-Dichloropropene.....

2-Chloroethylvinylether.....

Bromoform.....

4-Methyl-2-pentanone.....    UJ    UJ

2-Hexanone.....    UJ    UJ    UJ    UJ

=====  
Case Number: 23664

Client: BAKER

Page: 2

-----  
Cust ID: 01SB0400 01SB04145 01SB0500 01SB05135 01SB0600 01SB0613

=====  
=====fl=====fl=====fl=====fl=====fl=====fl=====fl  
Tetrachloroethene.....  
1,1,2,2-Tetrachloroethane.....  
Toluene.....  
Chlorobenzene.....  
Ethylbenzene.....  
Styrene.....  
Total Xylenes.....

WESTON ANALYTICS  
GC/MS DATA SUMMARY  
VOLATILE HAZARDOUS SUBSTANCE LIST COMPOUNDS

Case Number: 23664 SDG#1

Client: BAKER

Page: 3

Cust ID: 01SB0700 01SB0713 01SB0800 01SB0813 01SB0900 01SB0913

Sample Information	Matrix:	Soil	Soil	Soil	Soil	Soil	Soil
	D.F.:	1	1	1	1	1	1
	Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg

=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====							
Chloromethane.....							
Bromomethane.....							
Vinyl Chloride.....							
Chloroethane.....							
Methylene Chloride.....	24 U	23 U	26 U	45 U	31 U	28 U	
Acetone.....	14 U	11 U		14 U	14 U	16 U	
Carbon Disulfide.....							
1,1-Dichloroethene.....							
1,1-Dichloroethane.....							
Trans-1,2-Dichloroethene.....							
Chloroform.....							
1,2-Dichloroethane.....							
2-Butanone.....	UJ						
1,1,1-Trichloroethane.....							
Carbon Tetrachloride.....							
Vinyl Acetate.....							
Bromodichloromethane.....	UJ						
1,2-Dichloropropane.....							
Trans-1,3-Dichloropropene.....							
Trichloroethene.....							
Dibromochloromethane.....	UJ						
1,1,2-Trichloroethane.....							
Benzene.....							
cis-1,3-Dichloropropene.....							
2-Chloroethylvinylether.....							
Bromoform.....	UJ						
4-Methyl-2-pentanone.....							
2-Hexanone.....		UJ	UJ	UJ	UJ	UJ	UJ

=====  
Case Number: 23664

Client: BANNER

Page: 3

-----  
Cust ID: 01SB0700 01SB0713 01SB0800 01SB0813 01SB0900 01SB0913

=====  
=====fl=====fl=====fl=====fl=====fl=====fl=====fl

Tetrachloroethene.....  
1,1,2,2-Tetrachloroethane.....  
Toluene.....  
Chlorobenzene.....  
Ethylbenzene.....  
Styrene.....  
Total Xylenes.....

WESTON ANALYTICS  
GC/MS DATA SUMMARY  
VOLATILE HAZARDOUS SUBSTANCE LIST COMPOUNDS

Case Number: 23664      SDG#1                  Client:                  BAKER Page: 4

Cust ID: 01SB1300      01SB1316

Sample  
Information

Matrix:	Soil	Soil	
D.F.:	1	1	
Units:	ug/kg	ug/kg	

Chloromethane.....		
Bromomethane.....		
Vinyl Chloride.....		
Chloroethane.....		
Methylene Chloride.....	26 U	10 U
Acetone.....	11 U	20 U
Carbon Disulfide.....		
1,1-Dichloroethene.....		
1,1-Dichloroethane.....		
Trans-1,2-Dichloroethene.....		
Chloroform.....		
1,2-Dichloroethane.....		
2-Butanone.....		
1,1,1-Trichloroethane.....		
Carbon Tetrachloride.....		
Vinyl Acetate.....		
Bromodichloromethane.....		
1,2-Dichloropropane.....		
Trans-1,3-Dichloropropene.....		
Trichloroethene.....		
Dibromochloromethane.....		
1,1,2-Trichloroethane.....		
Benzene.....		
cis-1,3-Dichloropropene.....		
2-Chloroethylvinylether.....		
Bromoform.....		
4-Methyl-2-pentanone.....		
2-Hexanone.....	UJ	

=====  
Case Number: 23664

Client: B. R

F 4

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Cust ID: 01SB1300 01SB1316

=====  
=====fl=====fl=====fl=====fl=====fl=====fl=====fl  
Tetrachloroethene.....  
1,1,2,2-Tetrachloroethane.....  
Toluene.....  
Chlorobenzene.....  
Ethylbenzene.....  
Styrene.....  
Total Xylenes.....

WESTON ANALYTICS  
GC/MS DATA SUMMARY  
SEMI-VOLATILE HAZARDOUS SUBSTANCE LIST COMPOUNDS

=====  
Case Number: 23664      SDG#1      Client:      BAKER      Page: 1  
-----

	Cust ID:	01SB0100	01SB0114	01SB0200	01SB0214	01SB0300	01SB03135
Sample Information	Matrix:	Soil	Soil	Soil	Soil	Soil	Soil
	D.F.:	1	1	1	1	1	1
	Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====							

- Phenol.....
- bis(2-Chloroethyl) Ether.....
- 2-Chlorophenol.....
- 1,3-Dichlorobenzene.....
- 1,4-Dichlorobenzene.....
- Benzyl Alcohol.....
- 1,2-Dichlorobenzene.....
- 2-Methylphenol.....
- bis(2-Chloroisopropyl) Ether.....
- 4-Methylphenol.....
- N-Nitroso-di-n-propylamine.....
- Hexachloroethane.....
- Nitrobenzene.....
- Isophorone.....
- 2-Nitrophenol.....
- 2,4-Dimethylphenol.....
- Benzoic Acid(2).....
- bis(2-Chloroethoxy) Methane.....
- 2,4-Dichlorophenol.....
- 1,2,4-Trichlorobenzene.....
- Naphthalene.....
- 4-Chloroaniline.....
- Hexachlororbutadiene.....
- 4-Chloro-3-methylphenol.....
- 2-Methylnaphthalene.....
- Hexachlorocyclopentadiene.....

=====  
Case Nr: 23664 Client: R : 1  
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Cust ID: 01SB0100 01SB0114 01SB0200 01SB0214 01SB0300 01SB03135

=====  
=====fl=====fl=====fl=====fl=====fl=====fl=====fl

- 2,4,6-Trichlorophenol.....
- 2,4,5-Trichlorophenol(2).....
- 2-Chloronaphthalene.....
- 2-Nitroaniline(2).....
- Dimethyl Phthalate.....
- Acenaphthylene.....
- 3-Nitroaniline(2).....
- Acenaphthene.....
- 2,4-Dinitrophenol(2).....
- 4-Nitrophenol(2).....
- Dibenzofuran.....
- 2,4-Dinitrotoluene.....
- 2,6-Dinitrotoluene.....
- Diethyl Phthalate.....
- 4-Chlorophenyl-phenylether.....
- Fluorene.....
- 4-Nitroaniline(2).....
- 4,6-Dinitro-2-methylphenol(2).....
- N-Nitrosodiphenylamine(1).....
- 4-Bromophenyl-phenylether.....
- Hexachlorobenzene.....
- Pentachlorophenol(2).....
- Phenanthrene.....
- Anthracene.....
- di-n-Butyl Phthalate.....
- Fluoranthene.....
- Pyrene.....
- Butyl Benzyl Phthalate.....
- 3,3'-Dichlorobenzidine(3).....
- Benzo(a)Anthracene.....
- bis(2-Ethylhexyl)Phthalate.....
- Chrysene.....
- di-n-Octyl Phthalate.....
- Benzo(b)Fluoranthene.....
- Benzo(k)Fluoranthene.....
- Benzo(a)Pyrene.....
- Indeno(1,2,3-cd)Pyrene.....
- Dibenz(a,h)Anthracene.....
- Benzo(g,h,i)Perylene.....

260 J 110 J 120 J



WESTON ANALYTICS  
GC/MS DATA SUMMARY  
SEMI-VOLATILE HAZARDOUS SUBSTANCE LIST COMPOUNDS

=====  
Case Number: 23664    SDG#1    Client:    BAKER    Page: 2  
=====

Cust ID: 01SB0400    01SB4145    01SB0500    01SB05135    01SB0600    01SB0613

Sample Information	Matrix:	Soil	Soil	Soil	Soil	Soil	Soil
	D.F.:	1	1	1	1	1	1
	Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
		=====fl	=====fl	=====fl	=====fl	=====fl	=====fl

Phenol.....  
bis(2-Chloroethyl)Ether.....  
2-Chlorophenol.....  
1,3-Dichlorobenzene.....  
1,4-Dichlorobenzene.....  
Benzyl Alcohol.....  
1,2-Dichlorobenzene.....  
2-Methylphenol.....  
bis(2-Chloroisopropyl)Ether.....  
4-Methylphenol.....  
N-Nitroso-di-n-propylamine.....  
Hexachloroethane.....  
Nitrobenzene.....  
Isophorone.....  
2-Nitrophenol.....  
2,4-Dimethylphenol.....  
Benzoic Acid(2).....  
bis(2-Chloroethoxy)Methane.....  
2,4-Dichlorophenol.....  
1,2,4-Trichlorobenzene.....  
Naphthalene.....  
4-Chloroaniline.....  
Hexachlororbutadiene.....  
4-Chloro-3-methylphenol.....  
2-Methylnaphthalene.....  
Hexachlorocyclopentadiene.....

=====  
Case Nr: 23664 Client: R : 2  
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Cust ID: 01SB0400 01SB4145 01SB0500 01SB05135 01SB0600 01SB0613

=====  
=====fl=====fl=====fl=====fl=====fl=====fl=====fl

2,4,6-Trichlorophenol.....							
2,4,5-Trichlorophenol(2).....							
2-Chloronaphthalene.....							
2-Nitroaniline(2).....							
Dimethyl Phthalate.....							
Acenaphthylene.....							
3-Nitroaniline(2).....							
Acenaphthene.....							
2,4-Dinitrophenol(2).....							
4-Nitrophenol(2).....	79 J						
Dibenzofuran.....							
2,4-Dinitrotoluene.....							
2,6-Dinitrotoluene.....							
Diethyl Phthalate.....							
4-Chlorophenyl-phenylether.....							
Fluorene.....							
4-Nitroaniline(2).....							
4,6-Dinitro-2-methylphenol(2).....							
N-Nitrosodiphenylamine(1).....							
4-Bromophenyl-phenylether.....							
Hexachlorobenzene.....							
Pentachlorophenol(2).....							
Phenanthrene.....							
Anthracene.....							
di-n-Butyl Phthalate.....							
Fluoranthene.....							
Pyrene.....							
Butyl Benzyl Phthalate.....							
3,3'-Dichlorobenzidine(3).....							
Benzo(a)Anthracene.....							
bis(2-Ethylhexyl) Phthalate.....	160 J	210 J	53 J	180 J			93 J
Chrysene.....							
di-n-Octyl Phthalate.....							
Benzo(b)Fluoranthene.....					UJ	UJ	UJ
Benzo(k)Fluoranthene.....					UJ	UJ	UJ
Benzo(a)Pyrene.....							
Indeno(1,2,3-cd)Pyrene.....							
Dibenz(a,h)Anthracene.....							
Benzo(g,h,i)Perylene.....							

WESTON ANALYTICS  
GC/MS DATA SUMMARY  
SEMI-VOLATILE HAZARDOUS SUBSTANCE LIST COMPOUNDS

Case Number: 23664 SDG#1

Client: BAKER

Page: 3

Sample Information	Cust ID:	01SB0700	01SB0713	01SB0800	01SB0813	01SB0900	01SB0913
Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil
D.F.:	1	1	1	1	1	1	1
Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg

=====  
 Phenol.....  
 bis(2-Chloroethyl) Ether.....  
 2-Chlorophenol.....  
 1,3-Dichlorobenzene.....  
 1,4-Dichlorobenzene.....  
 Benzyl Alcohol.....  
 1,2-Dichlorobenzene.....  
 2-Methylphenol.....  
 bis(2-Chloroisopropyl) Ether.....  
 4-Methylphenol.....  
 N-Nitroso-di-n-propylamine.....  
 Hexachloroethane.....  
 Nitrobenzene.....  
 Isophorone.....  
 2-Nitrophenol.....  
 2,4-Dimethylphenol.....  
 Benzoic Acid(2).....  
 bis(2-Chloroethoxy)Methane.....  
 2,4-Dichlorophenol.....  
 1,2,4-Trichlorobenzene.....  
 Naphthalene.....  
 4-Chloroaniline.....  
 Hexachlororbutadiene.....  
 4-Chloro-3-methylphenol.....  
 2-Methylnaphthalene.....  
 Hexachlorocyclopentadiene.....

=====  
 fl=====fl=====fl=====fl=====fl=====fl=====fl

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Case No r: 23664 Client: R : 3  
=====

Cust ID: 01SB0700 01SB0713 01SB0800 01SB0813 01SB0900 01SB0913

=====  
=====fl=====fl=====fl=====fl=====fl=====fl=====fl

2,4,6-Trichlorophenol.....						
2,4,5-Trichlorophenol(2).....						
2-Chloronaphthalene.....						
2-Nitroaniline(2).....						
Dimethyl Phthalate.....						
Acenaphthylene.....						
3-Nitroaniline(2).....						
Acenaphthene.....						
2,4-Dinitrophenol(2).....						
4-Nitrophenol(2).....						
Dibenzofuran.....						
2,4-Dinitrotoluene.....						
2,6-Dinitrotoluene.....						
Diethyl Phthalate.....						
4-Chlorophenyl-phenylether.....						
Fluorene.....						
4-Nitroaniline(2).....						
4,6-Dinitro-2-methylphenol(2).....						
N-Nitrosodiphenylamine(1).....						
4-Bromophenyl-phenylether.....						
Hexachlorobenzene.....						
Pentachlorophenol(2).....						
Phenanthrene.....						
Anthracene.....						
di-n-Butyl Phthalate.....	36 J		60 J			82 J
Fluoranthene.....						
Pyrene.....						
Butyl Benzyl Phthalate.....						
3,3'-Dichlorobenzidine(3).....						
Benzo(a)Anthracene.....						
bis(2-Ethylhexyl)Phthalate.....	120 J	180 J	130 J	81 J	72 J	78 J
Chrysene.....						
di-n-Octyl Phthalate.....						
Benzo(b)Fluoranthene.....	UJ	UJ	UJ	UJ	UJ	UJ
Benzo(k)Fluoranthene.....	UJ	UJ	UJ	UJ	UJ	UJ
Benzo(a)Pyrene.....						
Indeno(1,2,3-cd)Pyrene.....						
Dibenz(a,h)Anthracene.....						
Benzo(g,h,i)Perylene.....						

WESTON ANALYTICS  
GC/MS DATA SUMMARY  
SEMI-VOLATILE HAZARDOUS SUBSTANCE LIST COMPOUNDS

Case Number: 23664 SDG#1 Client: BAKER Page: 4

Cust ID: 01SB1300 01SB1316

Sample Information	Matrix: Soil	Soil	Soil	Soil	Soil
	D.F.: 1	1	1	1	1
	Units: ug/kg	ug/kg	ug/kg	ug/kg	ug/kg

Phenol.....					
bis(2-Chloroethyl) Ether.....					
2-Chlorophenol.....					
1,3-Dichlorobenzene.....					
1,4-Dichlorobenzene.....					
Benzyl Alcohol.....					
1,2-Dichlorobenzene.....					
2-Methylphenol.....					
bis(2-Chloroisopropyl) Ether.....					
4-Methylphenol.....					
N-Nitroso-di-n-propylamine.....					
Hexachloroethane.....					
Nitrobenzene.....					
Isophorone.....					
2-Nitrophenol.....					
2,4-Dimethylphenol.....					
Benzoic Acid(2).....					
bis(2-Chloroethoxy)Methane.....					
2,4-Dichlorophenol.....					
1,2,4-Trichlorobenzene.....					
Naphthalene.....					
4-Chloroaniline.....					
Hexachlororbutadiene.....					
4-Chloro-3-methylphenol.....					
2-Methylnaphthalene.....					
Hexachlorocyclopentadiene.....					

Cust ID: 01SB1300 01SB1316

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=====fl=====fl=====fl=====fl=====fl=====fl=====fl

2,4,6-Trichlorophenol.....		
2,4,5-Trichlorophenol(2).....		
2-Chloronaphthalene.....		
2-Nitroaniline(2).....		
Dimethyl Phthalate.....		
Acenaphthylene.....		
3-Nitroaniline(2).....		
Acenaphthene.....		
2,4-Dinitrophenol(2).....		
4-Nitrophenol(2).....		
Dibenzofuran.....		
2,4-Dinitrotoluene.....		
2,6-Dinitrotoluene.....		
Diethyl Phthalate.....		
4-Chlorophenyl-phenylether.....		
Fluorene.....		
4-Nitroaniline(2).....		
4,6-Dinitro-2-methylphenol(2).....		
N-Nitrosodiphenylamine(1).....		
4-Bromophenyl-phenylether.....		
Hexachlorobenzene.....		
Pentachlorophenol(2).....		
Phenanthrene.....		
Anthracene.....		
di-n-Butyl Phthalate.....	39 J	46 J
Fluoranthene.....		
Pyrene.....		
Butyl Benzyl Phthalate.....		
3,3'-Dichlorobenzidine(3).....		
Benzo(a)Anthracene.....		
bis(2-Ethylhexyl)Phthalate.....	63 J	46 J
Chrysene.....		
di-n-Octyl Phthalate.....		
Benzo(b)Fluoranthene.....	UJ	UJ
Benzo(k)Fluoranthene.....	UJ	UJ
Benzo(a)Pyrene.....		
Indeno(1,2,3-cd)Pyrene.....		
Dibenz(a,h)Anthracene.....		
Benzo(g,h,i)Perylene.....		

WESTON ANALYTICS  
PESTICIDE/PCB's  
CLP LIST

```

=====
Case Number: 23664      SDG#1      Client:      BAKER
-----
Cust ID: 01SB0100    01SB0114    01SB0200    01SB0214    01SB0300    01SB0400
Sample Information      Matrix:      Soil        Soil        Soil        Soil        Soil        Soil
                       D.F.:        1           1           1           1           1           1
                       Units:       ug/kg       ug/kg       ug/kg       ug/kg       ug/kg       ug/kg
=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====

```

- Alpha-BHC.....
- Beta-BHC.....
- Delta-BHC.....
- Gamma-BHC (Lindane).....
- Heptachlor.....
- Aldrin.....
- Heptachlor Epoxide.....
- Endosulfan I.....
- Dieldrin.....
- 4,4'-DDE.....
- Endrin.....
- Endosulfan II.....
- 4,4'-DDD.....
- Endosulfan Sulfate.....
- 4,4'-DDT.....
- Methoxychlor.....
- Endrin Ketone.....
- Alpha Chlordane.....
- Gamma Chlordane.....
- Toxaphene.....
- Aroclor-1016.....
- Aroclor-1221.....
- Aroclor-1232.....
- Aroclor-1242.....
- Aroclor-1248.....
- Aroclor-1254.....
- Aroclor-1260.....

WESTON ANALYTICS  
 PESTICIDE B's  
 CLP LIST

=====  
 Case Number: 23664 SDG#1 Client: BAKER Page: 2  
 =====

	Cust ID: 01SB0500	01SB0600	01SB0613	01SB0700	01SB0713	01SB0800
Sample Information	Matrix: Soil	Soil	Soil	Soil	Soil	Soil
	D.F.: 1	1	1	1	1	1
	Units: ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
	=====fl=====	fl=====	fl=====	fl=====	fl=====	fl=====

- Alpha-BHC.....
- Beta-BHC.....
- Delta-BHC.....
- Gamma-BHC (Lindane).....
- Heptachlor.....
- Aldrin.....
- Heptachlor Epoxide.....
- Endosulfan I.....
- Dieldrin.....
- 4,4'-DDE.....
- Endrin.....
- Endosulfan II.....
- 4,4'-DDD.....
- Endosulfan Sulfate.....
- 4,4'-DDT.....
- Methoxychlor.....
- Endrin Ketone.....
- Alpha Chlordane.....
- Gamma Chlordane.....
- Toxaphene.....
- Aroclor-1016.....
- Aroclor-1221.....
- Aroclor-1232.....
- Aroclor-1242.....
- Aroclor-1248.....
- Aroclor-1254.....
- Aroclor-1260.....



WESTON ANALYTICS  
PESTICIDE/PCB's  
CLP LIST

=====  
Case Number: 23664      SDG#1      Client:      BAKER      Page: 3  
-----

Cust ID: 01SB0813    01SB0900    01SB0913    01SB1300    01SB1316    01SB03135

Sample Information	Matrix:	Soil	Soil	Soil	Soil	Soil	Soil
	D.F.:	1	1	1	1	1	1
	Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
		fl	fl	fl	fl	fl	fl

Alpha-BHC.....	UJ
Beta-BHC.....	UJ
Delta-BHC.....	UJ
Gamma-BHC (Lindane).....	UJ
Heptachlor.....	UJ
Aldrin.....	UJ
Heptachlor Epoxide.....	UJ
Endosulfan I.....	UJ
Dieldrin.....	UJ
4,4'-DDE.....	UJ
Endrin.....	UJ
Endosulfan II.....	UJ
4,4'-DDD.....	UJ
Endosulfan Sulfate.....	UJ
4,4'-DDT.....	UJ
Methoxychlor.....	UJ
Endrin Ketone.....	UJ
Alpha Chlordane.....	UJ
Gamma Chlordane.....	UJ
Toxaphene.....	UJ
Aroclor-1016.....	UJ
Aroclor-1221.....	UJ
Aroclor-1232.....	UJ
Aroclor-1242.....	UJ
Aroclor-1248.....	UJ
Aroclor-1254.....	UJ
Aroclor-1260.....	UJ

WESTON ANALYTICS  
PESTICIDE/PCB's  
CLP LIST

=====  
Case Number: 23664

SDG#1

Client:

BAKER

Page: 4  
-----

Cust ID: 01SB04145 01SB05135

Sample  
Information

Matrix: Soil Soil  
D.F.: 1 1  
Units: ug/kg ug/kg

=====  
fl=====fl=====fl=====fl=====fl=====fl=====fl

Alpha-BHC.....  
Beta-BHC.....  
Delta-BHC.....  
Gamma-BHC (Lindane).....  
Heptachlor.....  
Aldrin.....  
Heptachlor Epoxide.....  
Endosulfan I.....  
Dieldrin.....  
4,4'-DDE.....  
Endrin.....  
Endosulfan II.....  
4,4'-DDD.....  
Endosulfan Sulfate.....  
4,4'-DDT.....  
Methoxychlor.....  
Endrin Ketone.....  
Alpha Chlordane.....  
Gamma Chlordane.....  
Toxaphene.....  
Aroclor-1016.....  
Aroclor-1221.....  
Aroclor-1232.....  
Aroclor-1242.....  
Aroclor-1248.....  
Aroclor-1254.....  
Aroclor-1260.....



1 WESTON WAY  
WEST CHESTER, PA 19380-1449  
PHONE: 215-692-3030  
FAX: 215-430-3124

09 September 1991

Baker Environmental, Inc.  
Airport Office Park, Building 3  
420 Rouser Road  
Coraopolis, Pennsylvania 15108

Attention: Mr. Raymond P. Wattras

Dear Mr. Wattras:

Enclosed are the completed organic data validation reports for Case 23664, SDG# 1 and 21.

For any future data package shipments, please send them to my attention at the address specified below. This will help expedite the validation process.

ROY F. WESTON, INC.  
One Weston Way  
Building 9-2  
West Chester, Pennsylvania 19380

Should you have any questions or comments on this data validation, please do not hesitate to contact me at (215) 344-3745.

Very Truly Yours,

ROY F. WESTON, INC.

Zohreh Hamid, Ph.D.  
Section Manager  
Analytics Division

ZH/kms

Attachments



1 WESTON WAY  
WEST CHESTER, PA 19380-1449  
PHONE: 215-692-3030  
FAX: 215-430-3124

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ORGANIC QUALITY ASSURANCE REVIEW  
SITE: BAKER (CLEAN)  
CASE: 23664  
SDG: 21

REVIEW PERFORMED BY  
THE ANALYTICS DIVISION  
OF  
ROY F. WESTON, INC.

PREPARED BY: Kelly Muir Spittler  
Kelly Muir Spittler  
Unit Leader - Data Validation

9-9-91  
Date

VERIFIED BY: Zohreh Hamid  
Zohreh Hamid, Ph.D.  
Section Manager - Data Validation

9-9-91  
Date

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SITE: BAKER (CLEAN)  
CASE: 23664  
SDG: # 21

### INTRODUCTION

This quality assurance review is based upon a review of all data generated from twenty (20) soil samples collected on 7/24-28/91. The samples were analyzed according to criteria set forth in contract laboratory program (CLP) for TCL target compounds.

This review has been performed in accordance with the confirmation method. The reported analytical results are presented as a summary of the data in Attachment III. All of the analytical data were examined to determine the usability of the analytical results and also to determine contractual compliance relative to the analytical requirements and deliverables specified for CLP method. The applicable qualifier codes have been placed next to the results in the data summary to indicate the qualitative and/or quantitative reliability. The details of this evaluation review are presented in the memo section of this report.

All data have been validated with regard to usability according to the quality assurance set forth in the Functional Guidelines for evaluation of organic analysis for completion of the Data Validation Report Forms and preparation of the final data validation report. If you have any questions or comments on this data review, please call Zohreh Hamid at (215) 344-3745.

### QUALITY ASSURANCE REVIEW

The analyses of the samples were performed by CompuChem Laboratories, Inc.

The findings offered in this report are based upon a rigorous review of the following criteria:

- Data completeness
- Holding times
- \* • GC/MS tuning
- Calibration
- \* • Blanks
- Surrogate recoveries
- \* • Matrix spike/spike duplicate
- \* • Internal standard
- \* • Instrument performance
- \* • Compound identification
- \* • Compound quantitations
  
- \* Criteria are met for the parameters.



SITE: BAKER (CLEAN)  
CASE: 23664  
SDG: #21  
PAGE 2 OF 6

EVALUATION BY FRACTION

I. Volatiles

- Holding Time
- Surrogate Recovery
- MS/MSD
- Blank
- GC/MS Tuning
- Initial Calibration
- Continuing Calibration
- Compound ID (HSL, TIC)
- Standards
- Spectra Quality
- Chromatography
- Data Completeness

OVERVIEW

Twenty soil samples were analyzed within the holding time for volatile target compounds.

The surrogate recoveries and internal standards criteria were within the QC limits. The matrix spike/spike duplicate recoveries met the quality control limits. Overall, no major problems were encountered during the sample analysis and the data are considered representative.

ISSUES

Methylene chloride and acetone are detected in the laboratory method blanks at levels less than 5x CRQL. These compounds were reported in the samples at the comparable levels to the blanks. Therefore, the reported results are elevated to CRQL and are flagged "U" and should be considered as quantitation limits.

Up to six (6) compounds had %RSD and/or %D above 30% and 25% in initial and continuing calibration. The %Differences for acetone in all calibrations and 2-hexanone on calibration analyzed on 7-30-91 are exceeded 50%. Also %Ds for methylene chloride was 99.9% and 69% in continuing calibration standards analyzed on 7-30-91 and 8-1-91, respectively. The reported results for acetone and methylene chloride have already been qualified due to the blank contamination. The reported quantitation limits for 2-hexanone are qualified estimated for the associated samples.



SITE: BAKER (CLEAN)  
CASE: 23664  
SDG: #21  
PAGE 3 OF 6

## EVALUATION BY FRACTION

### II. Base/Neutral/Acids

Holding Time  
 Extraction Time  
 Surrogate Recovery  
 Blank  
 MS/MSD  
 GC/MS Tuning  
 Initial Calibration  
 Continuing Calibration  
 Compound ID (HSL, TIC)  
 Standards  
 Spectra Quality  
 Chromatography  
 Data Completeness

### OVERVIEW

Twenty (20) soil samples were extracted/analyzed according to the Contract Laboratory Program (CLP) for semivolatile target compounds.

All surrogate recoveries, internal standard areas and matrix spike analysis were within the control limits. The contractual holding time was met for all samples. The minor problem associated with the analysis are listed in the following section.

### ISSUES

The chromatogram for samples 01S131400 and DISB1600 elevated due to the non target compound contaminations. Surrogate and internal standard recoveries were within the established control limits, therefore, the quantitation of the data are not impacted.

Aldol condensation products, solvent contaminants and unknown hydrocarbons were reported as TIC compounds in the samples. Most of the unknowns could be grouped as aliphatic hydrocarbons and PNAs, however, specific compounds could not be identified with the exception of sulfur.

Instrument ID on form V for initial calibration analysis performed on 8-4-91 is inadvertently identified as #20. This ID number should be changed to #21. The form V should be corrected and resubmitted by the laboratory.

WESTON

SITE: BAKER (CLEAN)  
CASE: 23664  
SDG: #21  
PAGE 4 OF 6

Di-n-butylphthalate and bis(2-ethylhexyl)phthalate were detected in the samples at level less than CRQL. These compounds are also detected in the laboratory blanks at levels less than 5x the CRQL. Therefore, the reported sample results are elevated to the corresponding CRQL, are flagged "U," and should be considered as detection limits.

Benzo(a)pyrene was detected in sample O1SB1716 at a level above the CRQL.

Up to twelve (12) compounds had %D above 25% in continuing calibrations. These compounds were not detected in the samples, also the percent differences were less than 50%, with the exception of 2,4,6-trichlorophenol in the calibration analyzed on 08-02-91. The reported quantitation limits for this compound are qualified "UJ" in the data summary for the associated samples.





SITE: BAKER (CLEAN)  
CASE: 23664  
SDG: #21  
PAGE 5 OF 6

EVALUATION BY FRACTION

III. Pesticides/PCB

- Holding Time
- Extraction Time
- Surrogate Recovery
- MS/MSD
- Blank
- Linearity Calibration
- DDT/Endrin Degradation
- Analytical Sequence
- DBC Retention Time
- Continuing Calibration
- Retention Time Window
- Standards
- Chromatography
- HSL Compounds
- Data Completeness

OVERVIEW

Twenty (20) samples were extracted/analyzed for Pesticides/PCB target compounds.

ISSUES

The DBC surrogate recovery criteria are not met in the following samples:

<u>Sample ID</u>	<u>%Recovery</u>	<u>QC Limits</u>
01SB1600	3%	20-150
01SB1416	0%	20-150
01SB1500	0%	20-150
01SB1500D	0%	20-150
43SBO200	12%	20-150

The laboratory case narrative stated that these samples were reextracted/reanalyzed, however, the reanalysis data are not included in the data package.

The reported sample data for samples 01SB1416, 01SB1500 and 01SB1500D are qualified estimated due to the 0% surrogate recovery. The other samples which have recoveries above 0% are not qualified because the DBC recovery is advisory limit in the Pesticide/PCB fraction.

WESTON

SITE: BAKER (CLEAN)  
CASE: 23664  
SDG: #21  
PAGE 6 OF 6

The confirmation analysis was performed on 8/2-4/91 on the RTX-1701 column. The corresponding quantitation analysis was not performed for the associated samples (O1SB1600, O1SB1616 and O1SB0913). Only Endosulfan II, DDT and endrin ketone were quantified in this column, therefore, the reported data are considered "tentative" and are qualified estimated.

The QC samples (MS & MSD) were extracted one day outside the 10-day extraction holding time. Even though the reported data are considered estimated for these QC samples, the corresponding sample results are not impacted.

**ATTACHMENT I**  
**GLOSSARY OF DATA QUALIFIER CODES**



## GLOSSARY OF DATA QUALIFIERS

### CODES RELATING TO IDENTIFICATION

(confidence concerning presence or absence of compounds):

- U = NOT DETECTED, SUBSTANTIALLY ABOVE THE LEVEL REPORTED IN LABORATORY OR FIELD BLANKS.
- R = UNRELIABLE RESULT. ANALYTE MAY OR MAY NOT BE PRESENT IN THE SAMPLE. SUPPORTING DATA NECESSARY TO CONFIRM RESULT.
- N = NEGATED COMPOUND WAS CONSIDERED AS NOT PRESENT IN THE SAMPLE.

(NO CODE) = CONFIRMED IDENTIFICATION

### CODES RELATING TO QUANTITATION

(can be used for both positive results and sample quantitation limits):

- J = ANALYTE PRESENT. REPORTED VALUE MAY NOT BE ACCURATE OR PRECISE.
- L = ANALYTE PRESENT. REPORTED VALUE MAY BE BIASED LOW. ACTUAL VALUE IS EXPECTED TO BE HIGHER.
- UJ = THE REPORTED QUANTITATION LIMITS ARE QUALIFIED ESTIMATED.
- UL = NOT DETECTED. QUANTITATION LIMIT MAY BE HIGHER.

### OTHER CODES

- Q = NO ANALYTICAL RESULT.

**ATTACHMENT II  
DATA SUMMARY**



=====  
Case Number: 23664

Client: BAKER

Page: 1  
=====

-----  
Cust ID: 01SB1400 01SB1416 01SB1500 01SB1500D 01SB1516 01SB0913

=====  
=====fl=====fl=====fl=====fl=====fl=====fl=====fl  
Tetrachloroethene.....  
1,1,2,2-Tetrachloroethane.....  
Toluene.....  
Chlorobenzene.....  
Ethylbenzene.....  
Styrene.....  
Total Xylenes.....

WESTON ANALYTICS  
GC/MS DATA SUMMARY  
VOLATILE HAZARDOUS SUBSTANCE LIST COMPOUNDS

=====  
Case Number: 23664      SDG#21      Client:      BAKER      Page: 2  
=====

Cust ID: 01SB1400    01SB1416    01SB1500    01SB1500D    01SB1516    01SB1600

Sample Information	Matrix:	Soil	Soil	Soil	Soil	Soil	Soil
	D.F.:	1	1	1	1	1	1
	Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
		=====fl	=====fl	=====fl	=====fl	=====fl	=====fl

Chloromethane.....							
Bromomethane.....							
Vinyl Chloride.....							
Chloroethane.....							
Methylene Chloride.....	5 U	7 U	34 U	6 U	9 U	23 U	
Acetone.....	13 U	18 U	13 U	22 U	26 U	11 U	
Carbon Disulfide.....							
1,1-Dichloroethene.....							
1,1-Dichloroethane.....							
Trans-1,2-Dichloroethene.....							
Chloroform.....							
1,2-Dichloroethane.....							
2-Butanone.....							
1,1,1-Trichloroethane.....							
Carbon Tetrachloride.....							
Vinyl Acetate.....							
Bromodichloromethane.....							
1,2-Dichloropropane.....							
Trans-1,3-Dichloropropene.....							
Trichloroethene.....							
Dibromochloromethane.....							
1,1,2-Trichloroethane.....							
Benzene.....							
cis-1,3-Dichloropropene.....							
Bromoform.....							
4-Methyl-2-pentanone.....							
2-Hexanone.....	UJ	UJ		UJ	UJ		



=====  
Case Number: 23664

Client: BAKER

Page: 2  
=====

-----  
Cust ID: 01SB1400 01SB1416 01SB1500 01SB1500D 01SB1516 01SB1600  
-----

=====  
=====fl=====fl=====fl=====fl=====fl=====fl=====fl  
Tetrachloroethene.....  
1,1,2,2-Tetrachloroethane.....  
Toluene.....  
Chlorobenzene.....  
Ethylbenzene.....  
Styrene.....  
Total Xylenes.....  
=====



=====  
-----  
Case Number: 23664

Client: BAKER

Page: 3  
-----

Cust ID: 01SB1616 01SB1700 01SB1716 01SB1800 435BD200 435DB2000D

=====  
-----fl-----fl-----fl-----fl-----fl-----fl-----  
Tetrachloroethene.....  
1,1,2,2-Tetrachloroethane.....  
Toluene.....  
Chlorobenzene.....  
Ethylbenzene.....  
Styrene.....  
Total Xylenes.....

WESTON ANALYTICS  
GC/MS DATA SUMMARY  
SEMI-VOLATILE HAZARDOUS SUBSTANCE LIST COMPOUNDS

Case Number: 23664 SDG#21 Client: BAKER Page: 1

	Cust ID: 01SB0913	01SB1000	01SB1100	01SB1116	01SB1200	01SB1216
Sample Information	Matrix: Soil	Soil	Soil	Soil	Soil	Soil
	D.F.: 1	1	1	1	1	1
	Units: ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg

Phenol.....  
 bis(2-Chloroethyl) Ether.....  
 2-Chlorophenol.....  
 1,3-Dichlorobenzene.....  
 1,4-Dichlorobenzene.....  
 Benzyl Alcohol.....  
 1,2-Dichlorobenzene.....  
 2-Methylphenol.....  
 bis(2-Chloroisopropyl) Ether.....  
 4-Methylphenol.....  
 N-Nitroso-di-n-propylamine.....  
 Hexachloroethane.....  
 Nitrobenzene.....  
 Isophorone.....  
 2-Nitrophenol.....  
 2,4-Dimethylphenol.....  
 Benzoic Acid(2).....  
 bis(2-Chloroethoxy) Methane.....  
 2,4-Dichlorophenol.....  
 1,2,4-Trichlorobenzene.....  
 Naphthalene.....  
 4-Chloroaniline.....  
 Hexachlororbutadiene.....  
 4-Chloro-3-methylphenol.....  
 2-Methylnaphthalene.....  
 Hexachlorocyclopentadiene.....

====fl====fl====fl====fl====fl====fl====fl

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Case Number: 23664

Client: E. ER

1: 1  
=====

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Cust ID: 01SB0913 01SB1000 01SB1100 01SB1116 01SB1200 01SB1216  
-----

=====  
=====fl=====fl=====fl=====fl=====fl=====fl=====fl  
2,4,6-Trichlorophenol..... UJ UJ  
2,4,5-Trichlorophenol(2).....  
2-Chloronaphthalene.....  
2-Nitroaniline(2).....  
Dimethyl Phthalate.....  
Acenaphthylene.....  
3-Nitroaniline(2).....  
Acenaphthene.....  
2,4-Dinitrophenol(2).....  
4-Nitrophenol(2).....  
Dibenzofuran.....  
2,4-Dinitrotoluene.....  
2,6-Dinitrotoluene.....  
Diethyl Phthalate.....  
4-Chlorophenyl-phenylether.....  
Fluorene.....  
4-Nitroaniline(2).....  
4,6-Dinitro-2-methylphenol(2).....  
N-Nitrosodiphenylamine(1).....  
4-Bromophenyl-phenylether.....  
Hexachlorobenzene.....  
Pentachlorophenol(2).....  
Phenanthrene.....  
Anthracene.....  
di-n-Butyl Phthalate..... 340 U  
Fluoranthene.....  
Pyrene.....  
Butyl Benzyl Phthalate.....  
3,3'-Dichlorobenzidine(3).....  
Benzo(a)Anthracene.....  
bis(2-Ethylhexyl)Phthalate..... 370 U 340 U 340 U 340 U 340 U 420 U  
Chrysene.....  
di-n-Octyl Phthalate.....  
Benzo(b)Fluoranthene.....  
Benzo(k)Fluoranthene.....  
Benzo(a)Pyrene.....  
Indeno(1,2,3-cd)Pyrene.....  
Dibenz(a,h)Anthracene.....  
Benzo(g,h,i)Perylene.....  
=====

WESTON ANALYTICS  
GC/MS DATA SUMMARY  
SEMI-VOLATILE HAZARDOUS SUBSTANCE LIST COMPOUNDS

=====  
Case Number: 23664    SDG#21    Client:    BAKER    Page: 2  
=====

Sample Information	Cust ID: 01SB1400	01SB1416	01SB1500	01SB1500D	01SB1516	01SB1600
Matrix:	Soil	Soil	Soil	Soil	Soil	Soil
D.F.:	1	1	1	1	1	1
Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg

=====  
=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====

Phenol.....  
bis(2-Chloroethyl) Ether.....  
2-Chlorophenol.....  
1,3-Dichlorobenzene.....  
1,4-Dichlorobenzene.....  
Benzyl Alcohol.....  
1,2-Dichlorobenzene.....  
2-Methylphenol.....  
bis(2-Chloroisopropyl) Ether.....  
4-Methylphenol.....  
N-Nitroso-di-n-propylamine.....  
Hexachloroethane.....  
Nitrobenzene.....  
Isophorone.....  
2-Nitrophenol.....  
2,4-Dimethylphenol.....  
Benzoic Acid(2).....  
bis(2-Chloroethoxy) Methane.....  
2,4-Dichlorophenol.....  
1,2,4-Trichlorobenzene.....  
Naphthalene.....  
4-Chloroaniline.....  
Hexachlororbutadiene.....  
4-Chloro-3-methylphenol.....  
2-Methylnaphthalene.....  
Hexachlorocyclopentadiene.....

=====  
 Case Number: 23664 Client: KER je: 2  
 -----

Cust ID: 01SB1400 01SB1416 01SB1500 01SB1500D 01SB1516 01SB1600

=====fl=====fl=====fl=====fl=====fl=====fl=====fl

2,4,6-Trichlorophenol.....					
2,4,5-Trichlorophenol(2).....					
2-Chloronaphthalene.....					
2-Nitroaniline(2).....					
Dimethyl Phthalate.....					
Acenaphthylene.....					
3-Nitroaniline(2).....					
Acenaphthene.....					
2,4-Dinitrophenol(2).....					
4-Nitrophenol(2).....					
Dibenzofuran.....					
2,4-Dinitrotoluene.....					
2,6-Dinitrotoluene.....					
Diethyl Phthalate.....					
4-Chlorophenyl-phenylether.....					
Fluorene.....					
4-Nitroaniline(2).....					
4,6-Dinitro-2-methylphenol(2).....					
N-Nitrosodiphenylamine(1).....					
4-Bromophenyl-phenylether.....					
Hexachlorobenzene.....					
Pentachlorophenol(2).....					
Phenanthrene.....					
Anthracene.....					
di-n-Butyl Phthalate.....			360 U		350 U
Fluoranthene.....					
Pyrene.....					
Butyl Benzyl Phthalate.....					
3,3'-Dichlorobenzidine(3).....					
Benzo(a)Anthracene.....					
bis(2-Ethylhexyl)Phthalate.....	360 U	360 U	360 U	360 U	350 U
Chrysene.....					
di-n-Octyl Phthalate.....					
Benzo(b)Fluoranthene.....					
Benzo(k)Fluoranthene.....					
Benzo(a)Pyrene.....					
Indeno(1,2,3-cd)Pyrene.....					
Dibenz(a,h)Anthracene.....					
Benzo(g,h,i)Perylene.....					

WESTON ANALYTICS  
GC/MS DATA SUMMARY  
SEMI-VOLATILE HAZARDOUS SUBSTANCE LIST COMPOUNDS

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=====
Case Number:  23664          SDG#21      Client:      BAKER
-----
Cust ID: 01SB1616   01SB11700   01SB1716   01SB1800   43SB0200   43SB0200D
Sample
Information          Matrix:     Soil        Soil        Soil        Soil        Soil        Soil
                   D.F.:       1           1           1           1           1           1
                   Units:     ug/kg      ug/kg      ug/kg      ug/kg      ug/kg      ug/kg
=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====
  
```

Phenol.....  
bis(2-Chloroethyl) Ether.....  
2-Chlorophenol.....  
1,3-Dichlorobenzene.....  
1,4-Dichlorobenzene.....  
Benzyl Alcohol.....  
1,2-Dichlorobenzene.....  
2-Methylphenol.....  
bis(2-Chloroisopropyl) Ether.....  
4-Methylphenol.....  
N-Nitroso-di-n-propylamine.....  
Hexachloroethane.....  
Nitrobenzene.....  
Isophorone.....  
2-Nitrophenol.....  
2,4-Dimethylphenol.....  
Benzoic Acid(2).....  
bis(2-Chloroethoxy)Methane.....  
2,4-Dichlorophenol.....  
1,2,4-Trichlorobenzene.....  
Naphthalene.....  
4-Chloroaniline.....  
Hexachlororbutadiene.....  
4-Chloro-3-methylphenol.....  
2-Methylnaphthalene.....  
Hexachlorocyclopentadiene.....



=====  
Case Number: 23664

Client: LAKER

Page: 3  
=====

-----  
Cust ID: 01SB1616 01SB11700 01SB1716 01SB1800 43SB0200 43SB0200D  
-----

=====  
=====fl=====fl=====fl=====fl=====fl=====fl=====fl  
2,4,6-Trichlorophenol.....  
2,4,5-Trichlorophenol(2).....  
2-Chloronaphthalene.....  
2-Nitroaniline(2).....  
Dimethyl Phthalate.....  
Acenaphthylene.....  
3-Nitroaniline(2).....  
Acenaphthene.....  
2,4-Dinitrophenol(2).....  
4-Nitrophenol(2).....  
Dibenzofuran.....  
2,4-Dinitrotoluene.....  
2,6-Dinitrotoluene.....  
Diethyl Phthalate.....  
4-Chlorophenyl-phenylether.....  
Fluorene.....  
4-Nitroaniline(2).....  
4,6-Dinitro-2-methylphenol(2).....  
N-Nitrosodiphenylamine(1).....  
4-Bromophenyl-phenylether.....  
Hexachlorobenzene.....  
Pentachlorophenol(2).....  
Phenanthrene.....  
Anthracene.....  
di-n-Butyl Phthalate..... 360 U  
Fluoranthene.....  
Pyrene.....  
Butyl Benzyl Phthalate.....  
3,3'-Dichlorobenzidine(3).....  
Benzo(a)Anthracene.....  
bis(2-Ethylhexyl)Phthalate..... 390 U 360 U 410 U 390 U  
Chrysene.....  
di-n-Octyl Phthalate.....  
Benzo(b)Fluoranthene.....  
Benzo(k)Fluoranthene.....  
Benzo(a)Pyrene..... 860  
Indeno(1,2,3-cd)Pyrene.....  
Dibenz(a,h)Anthracene.....  
Benzo(g,h,i)Perylene.....  
=====

WESTON ANALYTICS  
PESTICIDE/PCB's  
CLP LIST

=====  
Case Number: 23664    SDG#21    Client:    BAKER    Page: 1  
=====

=====  
Cust ID: 01SB0913    01SB1000    01SB1100    01SB1116    01SB1200    01SB1216  
Sample Information    Matrix:    Soil    Soil    Soil    Soil    Soil    Soil  
                                 D.F.:    1    1    1    1    1    1  
                                 Units:    ug/kg    ug/kg    ug/kg    ug/kg    ug/kg    ug/kg  
=====fl=====fl=====fl=====fl=====fl=====fl=====

Alpha-BHC..... UJ  
Beta-BHC..... UJ  
Delta-BHC..... UJ  
Gamma-BHC (Lindane)..... UJ  
Heptachlor..... UJ  
Aldrin..... UJ  
Heptachlor Epoxide..... UJ  
Endosulfan I..... UJ  
Dieldrin..... UJ  
4,4'-DDE..... UJ  
Endrin..... UJ  
Endosulfan II..... UJ  
4,4'-DDD..... UJ  
Endosulfan Sulfate..... UJ  
4,4'-DDT..... UJ  
Methoxychlor..... UJ  
Endrin Ketone..... UJ  
Alpha Chlordane..... UJ  
Gamma Chlordane..... UJ  
Toxaphene..... UJ  
Aroclor-1016..... UJ  
Aroclor-1221..... UJ  
Aroclor-1232..... UJ  
Aroclor-1242..... UJ  
Aroclor-1248..... UJ  
Aroclor-1254..... UJ  
Aroclor-1260..... UJ

WESTON     LYTICS  
PESTICID.   PCB's  
CLP LIST

=====  
Case Number: 23664     SDC#21     Client:     BAKER     Page: 2  
=====

Cust ID: 01SB1400    01SB1416    01SB1500    01SB1500D    01SB1516    01SB1600  
Sample  
Information            Matrix:        Soil         Soil         Soil         Soil         Soil         Soil  
                          D.F.:            1            1            1            1            1            1  
                          Units:           ug/kg        ug/kg        ug/kg        ug/kg        ug/kg        ug/kg  
=====fl=====fl=====fl=====fl=====fl=====fl=====

Alpha-BHC.....		UJ		UJ		UJ		UJ
Beta-BHC.....		UJ		UJ		UJ		UJ
Delta-BHC.....		UJ		UJ		UJ		UJ
Gamma-BHC (Lindane).....		UJ		UJ		UJ		UJ
Heptachlor.....		UJ		UJ		UJ		UJ
Aldrin.....		UJ		UJ		UJ		UJ
Heptachlor Epoxide.....		UJ		UJ		UJ		UJ
Endosulfan I.....		UJ		UJ		UJ		UJ
Dieldrin.....		UJ		UJ		UJ		UJ
4,4'-DDE.....		UJ		UJ		UJ		UJ
Endrin.....		UJ		UJ		UJ		UJ
Endosulfan II.....		UJ		UJ		UJ		UJ
4,4'-DDD.....		UJ		UJ		UJ		UJ
Endosulfan Sulfate.....		UJ		UJ		UJ		UJ
4,4'-DDT.....		UJ		UJ		UJ		UJ
Methoxychlor.....		UJ		UJ		UJ		UJ
Endrin Ketone.....		UJ		UJ		UJ		UJ
Alpha Chlordane.....		UJ		UJ		UJ		UJ
Gamma Chlordane.....		UJ		UJ		UJ		UJ
Toxaphene.....		UJ		UJ		UJ		UJ
Aroclor-1016.....		UJ		UJ		UJ		UJ
Aroclor-1221.....		UJ		UJ		UJ		UJ
Aroclor-1232.....		UJ		UJ		UJ		UJ
Aroclor-1242.....		UJ		UJ		UJ		UJ
Aroclor-1248.....		UJ		UJ		UJ		UJ
Aroclor-1254.....		UJ		UJ		UJ		UJ
Aroclor-1260.....		UJ		UJ		UJ		UJ

WESTON ANALYTICS  
PESTICIDE/PCB's  
CLP LIST

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=====
Case Number: 23664   SDG#21   Client:   BAKER   Page: 3
-----
Cust ID: 01SB1616   01SB1700   01SB1716   01SB1800   43SB0200   43SB0200D
Sample
Information   Matrix:   Soil      Soil      Soil      Soil      Soil      Soil
              D.F.:     1         1         1         1         1         1
              Units:   ug/kg    ug/kg    ug/kg    ug/kg    ug/kg    ug/kg
=====fl=====fl=====fl=====fl=====fl=====fl=====

```

```

Alpha-BHC..... UJ
Beta-BHC..... UJ
Delta-BHC..... UJ
Gamma-BHC (Lindane)..... UJ
Heptachlor..... UJ
Aldrin..... UJ
Heptachlor Epoxide..... UJ
Endosulfan I..... UJ
Dieldrin..... UJ
4,4'-DDE..... UJ
Endrin..... UJ
Endosulfan II..... UJ
4,4'-DDD..... UJ
Endosulfan Sulfate..... UJ
4,4'-DDT..... UJ
Methoxychlor..... UJ
Endrin Ketone..... UJ
Alpha Chlordane..... UJ
Gamma Chlordane..... UJ
Toxaphene..... UJ
Aroclor-1016..... UJ
Aroclor-1221..... UJ
Aroclor-1232..... UJ
Aroclor-1242..... UJ
Aroclor-1248..... UJ
Aroclor-1254..... UJ
Aroclor-1260..... UJ

```



1 WESTON WAY  
WEST CHESTER, PA 19380-1449  
PHONE: 215-692-3030  
FAX: 215-430-3124

ORGANIC QUALITY ASSURANCE REVIEW  
SITE: BAKER (CLEAN)  
CASE: 23664  
SDG: ~~81~~ 267

REVIEW PERFORMED BY  
THE ANALYTICS DIVISION  
OF  
ROY F. WESTON, INC.

PREPARED BY:



Zohreh Hamid, Ph.D.  
Section Manager - Data Validation

10-21-91  
Date



SITE: BAKER (CLEAN)  
CASE: 23664  
SDG: #267

INTRODUCTION

This quality assurance review is based upon a review of all data generated from twenty (20) water samples for volatile and ten (10) water samples for semivolatile and pesticide/PCB analysis collected on 8 - 7,8,9,20,21,22 - 1991. The samples were analyzed according to criteria set forth in the Contract Laboratory Program (CLP) for TCL target compounds.

This review has been performed in accordance with the confirmation method. The reported analytical results are presented as a summary of the data in Attachment II. All of the analytical data were examined to determine the usability of the analytical results and also to determine contractual compliance relative to the analytical requirements and deliverables specified for CLP method. The applicable qualifier codes have been placed next to the results in the data summary to indicate the qualitative and/or quantitative reliability. The details for this evaluation review are presented in the memo section of this report.

All data have been validated with regard to usability according to the quality assurance set forth in the Functional Guidelines for evaluation of organic analysis for completion of the Data Validation Report Forms and preparation of the final data validation report. If you have any questions or comments on this data review, please call Zoreh Hamid at (215) 344-3745.

QUALITY ASSURANCE REVIEW

The analyses of the samples were performed by CompuChem Laboratories, Inc.

The findings offered in this report are based upon a rigorous review of the following criteria:

- . Data completeness
  - . Holding times
  - \* . GC/MS tuning
  - . Calibration
  - . Surrogate recoveries
  - . Matrix spike/spike duplicate
  - \* . Internal standard
  - \* . Instrument performance
  - \* . Compound identification
  - \* . Compound quantitations
- \* Criteria are met for the parameters.



## EVALUATION BY FRACTION

### I. Volatiles

Holding Time  
 Surrogate Recovery  
 MS/MSD  
 Blank  
 GC/MS Tuning  
 Initial Calibration  
 Continuing Calibration  
 Compound ID (HSL, TIC)  
 Standards  
 Spectra Quality  
 Chromatography  
 Data Completeness

Ten (10) water samples and ten trip blanks/lab pure samples were analyzed within the holding time for volatile target compounds with the exception of sample 63SW01D.

All surrogate and internal standard recoveries were within the CLP contract requirement control limits. Overall, the data are fair. The minor issues are listed in the following section.

The analysis holding time exceeded the "10-day" requirement by three days. The reported sample results and the quantitation limits are qualified estimated.

The RRF for 2-butanone was less than 0.05 in continuing calibration analyzed on 8-22-91. The reported detection limit for the affected sample (63SW01D) is rejected.

The %RSDs were within the 30% QC limit in all initial calibrations with the exception of 2-hexanone (31%) and chloromethane (34%) in calibrations analyzed on 8-17-91. These compounds were not detected in the samples; therefore, the data are not impacted.

A few compounds had %D above 25% in continuing calibrations. The % difference were less than 50% and, these compounds were not detected in the samples, therefore, the data are not impacted.

The chain-of-custodies for lab pure and trip blanks were not included in the data package. These documents should be submitted by the respective laboratory.



Acetone and methylene chloride were detected in the samples and trip blanks, as well as the laboratory blanks. The reported sample results are qualified "U" and should be considered as the sample detection limit.

Aliphatic hydrocarbons were detected as Tentatively Identified Compounds (TIC's). Also Siloxane was reported as TIC. This compounds is considered as a laboratory artifact and the reported results as TIC's should be disregarded.

The sample ID in the chain-of-custody did not coincide the sample ID in the data package for sample 43GW031. The case narrative stated that there was a discrepancy between the identifier on chain-of-custody and identifier on the bottle.

The matrix spike recovery for toluene (126%) was above the upper QC limit in matrix spike samples. However, the spike recoveries for all compounds met the control limits in the spike duplicate sample, therefore, the data are not impacted.





## EVALUATION BY FRACTION

### I. Volatiles

- Holding Time
- Surrogate Recovery
- MS/MSD
- Blank
- GC/MS Tuning
- Initial Calibration
- Continuing Calibration
- Compound ID (HSL, TIC)
- Standards
- Spectra Quality
- Chromatography
- Data Completeness

Ten (10) water samples and ten trip blanks/lab pure samples were analyzed within the holding time for volatile target compounds with the exception of sample 63SW01D.

All surrogate and internal standard recoveries were within the CLP contract requirement control limits. Overall, the data are fair. The minor issues are listed in the following section.

The analysis holding time exceeded the "10-day" requirement by three days. The reported sample results and the quantitation limits are qualified estimated.

The RRF for 2-butanone was less than 0.05 in continuing calibration analyzed on 8-22-91. The reported detection limit for the affected sample (63SW01D) is rejected.

The %RSDs were within the 30% QC limit in all initial calibrations with the exception of 2-hexanone (31%) and chloromethane (34%) in calibrations analyzed on 8-17-91. These compounds were not detected in the samples; therefore, the data are not impacted.

A few compounds had %D above 25% in continuing calibrations. The % difference were less than 50% and, these compounds were not detected in the samples, therefore, the data are not impacted.

The chain-of-custodies for lab pure and trip blanks were not included in the data package. These documents should be submitted by the respective laboratory.



Acetone and methylene chloride were detected in the samples and trip blanks, as well as the laboratory blanks. The reported sample results are qualified "U" and should be considered as the sample detection limit.

Aliphatic hydrocarbons were detected as Tentatively Identified Compounds (TIC's). Also Siloxane was reported as TIC. This compounds is considered as a laboratory artifact and the reported results as TIC's should be disregarded.

The sample ID in the chain-of-custody did not coincide the sample ID in the data package for sample 43GW031. The case narrative stated that there was a discrepancy between the identifier on chain-of-custody and identifier on the bottle.

The matrix spike recovery for toluene (126%) was above the upper QC limit in matrix spike samples. However, the spike recoveries for all compounds met the control limits in the spike duplicate sample, therefore, the data are not impacted.



## EVALUATION BY FRACTION

### II. Base/Neutral/Acids

- Holding Time
- Extraction Time
- Surrogate Recovery
- Blank
- MS/MSD
- GC/MS Tuning
- Initial Calibration
- Continuing Calibration
- Compound ID (HSL, TIC)
- Standards
- Spectra Quality
- Chromatography
- Data Completeness

Ten water samples were extracted and analyzed within the holding time for semivolatile target compounds.

The surrogate recovery of (0%) was obtained for phenol-d5 in sample 01R080 also the recovery of 2-fluorophenol (12%) was less than the lower QC limit of 21%. The reported quantitation limits for acid compounds are considered as false negatives. This sample was reextracted outside the holding time. The phenol-d5 recovery was 12% in the reanalysis sample. The comparisons of the original sample results and the reanalysis data gave an acceptable reproducibility. Since the extraction holding time exceeded for the reanalysis samples, the original sample data are reported on the data summary and the reported quantitation limits for the acid compounds are qualified estimated.

Target compounds were not detected in the samples at levels above the CRQL. The non-target compounds were reported in the samples. These compounds are tabulated and included in this data review for further investigation. The unknowns identified as solvent contaminations are not tabulated as TICs, since these compounds are considered as laboratory artifacts.

The laboratory blanks were free of target compound contamination. Non-target compounds were not detected in the blanks with the exception of unknown ester hexanedioic acid in blank SBLK30. The sample data are not impacted, since this compound was not reported as TIC in the samples.



All %RSDs and RRFs were within the control limits. The %D for three compounds exceeded 25% QC limit on calibration standard analyzed on 8-25-91. These compounds were not detected in the associated sample (01R0820). The reported quantitation limit for 2,4 -dinitrophenol which has %D above 50% is qualified estimated in the aforementioned sample.

The extraction date on Form IV (8-28-91) does not coincide the extraction date of Form 1 for sample "01R0820 Re". The review of Form 1 for the associated blank (SBLK00) confirmed the extraction was performed on 8-28-91. Therefore, the sample was re-extracted outside the holding time. This discrepancy should be clarified by the laboratory.

The surrogate recovery for 2 - fluorophenol (110%) exceeded the 100% QC limit in sample 63R02MSD. However, the surrogate recovery criteria (i.e.: no more than one (1) outlier in each fraction and not less than 10%) are met.

**TENTATIVELY IDENTIFIED COMPOUNDS**  
BNA

Compound Name	01R0820	43GW011	43GW031	44SW02
unknown RT = 7 - 10	X			
Benzamide derivatives		X		
unknown RT = 20			X	X



EVALUATION BY FRACTION

III. Pesticides/PCB

- Holding Time
- Extraction Time
- Surrogate Recovery
- MS/MSD
- Blank
- Linearity Calibration
- DDT/Endrin Degradation
- Analytical Sequence
- DBC Retention Time
- Continuing Calibration
- Retention Time Window
- Standards
- Chromatography
- HSL Compounds
- Data Completeness

This portion of the case consisted of ten water samples analyzed for pesticide/PCB target compounds according to the criteria set forth in the Contract Laboratory Protocol (CLP).

The extraction holding time is exceeded by four (4) days for samples 634SW01MS/MSD. The reported sample data are considered estimated.

The following spike recoveries were outside the QC limits:

<u>Compound Name</u>	<u>% Recovery MS/MSP</u>	<u>QC Limit</u>
Aldrine	-/124	40 - 120
Endrine	-/145	56 - 121
4,4 - DDT	248/306	38 - 127

Also the RPD for gamma-PHC, dieldrin and endrin exceeded the QC limits. Since the target compounds were not detected in the samples, the data are accepted without the qualifier codes.

**ATTACHMENT I**  
**GLOSSARY OF DATA QUALIFIER CODES**



## GLOSSARY OF DATA QUALIFIERS

### CODES RELATING TO IDENTIFICATION

(confidence concerning presence or absence of compounds):

- U = NOT DETECTED, SUBSTANTIALLY ABOVE THE LEVEL REPORTED IN LABORATORY OR FIELD BLANKS.
- R = UNRELIABLE RESULT. ANALYTE MAY OR MAY NOT BE PRESENT IN THE SAMPLE. SUPPORTING DATA NECESSARY TO CONFIRM RESULT.
- N = NEGATED COMPOUND WAS CONSIDERED AS NOT PRESENT IN THE SAMPLE.

(NO CODE) = CONFIRMED IDENTIFICATION

### CODES RELATING TO QUANTITATION

(can be used for both positive results and sample quantitation limits):

- J = ANALYTE PRESENT. REPORTED VALUE MAY NOT BE ACCURATE OR PRECISE.
- L = ANALYTE PRESENT. REPORTED VALUE MAY BE BIASED LOW. ACTUAL VALUE IS EXPECTED TO BE HIGHER.
- UJ = THE REPORTED QUANTITATION LIMITS ARE QUALIFIED ESTIMATED.
- UL = NOT DETECTED. QUANTITATION LIMIT MAY BE HIGHER.

### OTHER CODES

- Q = NO ANALYTICAL RESULT.

**ATTACHMENT II  
DATA SUMMARIES**



WESTON ANALYTICS  
GC/MS DATA SUMMARY  
VOLATILE HAZARDOUS SUBSTANCE LIST COMPOUNDS

=====  
Case Number: 23664      SDG:#267      Client: BAKER      Page: 1  
=====

	Cust ID:	01R0820	43GW011	43GW021	43GW031	43SW03	44SW02
Sample Information	Matrix:	Water	Water	Water	Water	Water	Water
	D.F.:	1	1	1	1	1	1
	Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
		fl	fl	fl	fl	fl	fl

Chloromethane.....							
Bromomethane.....							
Vinyl Chloride.....							
Chloroethane.....							
Methylene Chloride.....	6 U			8 U	5 U		16 U
Acetone.....				10 U		45 U	
Carbon Disulfide.....		7					
1,1-Dichloroethene.....							
1,1-Dichloroethane.....							
Trans-1,2-Dichloroethene.....							
Chloroform.....	24						
1,2-Dichloroethane.....							
2-Butanone.....							
1,1,1-Trichloroethane.....							
Carbon Tetrachloride.....							
Vinyl Acetate.....							
Bromodichloromethane.....	9						
1,2-Dichloropropane.....							
Trans-1,3-Dichloropropene.....							
Trichloroethene.....							
Dibromochloromethane.....	3 J						
1,1,2-Trichloroethane.....							
Benzene.....							
cis-1,3-Dichloropropene.....							
2-Chloroethylvinylether.....							
Bromoform.....							
4-Methyl-2-pentanone.....							
2-Hexanone.....							



WESTON ANALYTICS  
GC/MS DATA SUMMARY  
VOLATILE HAZARDOUS SUBSTANCE LIST COMPOUNDS

Case Number: 23664      SDG:#267      Client: BAKER      Page: 2

Sample Information	Cust ID:	63R02	63SW01	63SW01D	63SW02	LAB PURE	LAB PURE II
	Matrix:	Water	Water	Water	Water	Water	Water
	D.F.:	1	1	1	1	1	1
	Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L

	fl	fl	fl	fl	fl	fl
Chloromethane.....				UJ		
Bromomethane.....				UJ		
Vinyl Chloride.....				UJ		
Chloroethane.....				UJ		
Methylene Chloride.....	5 U			88 U	5 U	15 U
Acetone.....				54 U		
Carbon Disulfide.....				UJ		
1,1-Dichloroethene.....				UJ		
1,1-Dichloroethane.....				UJ		
Trans-1,2-Dichloroethene.....				UJ		
Chloroform.....	2 J			UJ		
1,2-Dichloroethane.....				UJ		
2-Butanone.....				R		
1,1,1-Trichloroethane.....				UJ		
Carbon Tetrachloride.....				UJ		
Vinyl Acetate.....				UJ		
Bromodichloromethane.....				UJ		
1,2-Dichloropropane.....				UJ		
Trans-1,3-Dichloropropene.....				UJ		
Trichloroethene.....				UJ		
Dibromochloromethane.....				UJ		
1,1,2-Trichloroethane.....				UJ		
Benzene.....				UJ		
cis-1,3-Dichloropropene.....				UJ		
2-Chloroethylvinylether.....				UJ		
Bromoform.....				UJ		
4-Methyl-2-pentanone.....				UJ		
2-Hexanone.....				UJ		

Case Number: 23664

SDG:#267

Client: BAKER

Cust ID: 63R02 63SW01 63SW01D 63SW02 LAB PURE LAB PURE II

	fl	fl	fl	fl	fl	fl
Tetrachloroethene.....						UJ
1,1,2,2-Tetrachloroethane.....						UJ
Toluene.....						UJ
Chlorobenzene.....						UJ
Ethylbenzene.....						UJ
Styrene.....						UJ
Total Xylenes.....						UJ

WESTON LYTICS  
GC/MS DATA SUMMARY  
SEMI-VOLATILE HAZARDOUS SUBSTANCE LIST COMPOUNDS

Case Number: 23664      SDG: #267      Client: BAKER      Page: 1

	Cust ID: 01R0820	43GW011	43GW021	43GW031	43SW03	44SW02
Sample Information	Matrix: Water	Water	Water	Water	Water	Water
	D.F.: 1	1	1	1	1	1
	Units: ug/L	ug/L	ug/L	ug/L	ug/L	ug/L

	fl	fl	fl	fl	fl	fl
Phenol.....	UJ					
bis(2-Chloroethyl) Ether.....						
2-Chlorophenol.....	UJ					
1,3-Dichlorobenzene.....						
1,4-Dichlorobenzene.....						
Benzyl Alcohol.....						
1,2-Dichlorobenzene.....						
2-Methylphenol.....	UJ					
bis(2-Chloroisopropyl) Ether.....						
4-Methylphenol.....	UJ					
N-Nitroso-di-n-propylamine.....						
Hexachloroethane.....						
Nitrobenzene.....						
Isophorone.....						
2-Nitrophenol.....	UJ					
2,4-Dimethylphenol.....	UJ					
Benzoic Acid(2).....	UJ					
bis(2-Chloroethoxy)Methane.....						
2,4-Dichlorophenol.....	UJ					
1,2,4-Trichlorobenzene.....						
Naphthalene.....						
4-Chloroaniline.....						
Hexachlororbutadiene.....						
4-Chloro-3-methylphenol.....	UJ					
2-Methylnaphthalene.....						
Hexachlorocyclopentadiene.....						

Cust ID: 01R0820RE 43GW011 43GW021 43GW031 43SW03 44SW02

	fl	fl	fl	fl	fl	fl
2,4,6-Trichlorophenol.....	UJ					
2,4,5-Trichlorophenol(2).....	UJ					
2-Chloronaphthalene.....						
2-Nitroaniline(2).....						
Dimethyl Phthalate.....						
Acenaphthylene.....						
3-Nitroaniline(2).....						
Acenaphthene.....						
2,4-Dinitrophenol(2).....	UJ					
4-Nitrophenol(2).....	UJ					
Dibenzofuran.....						
2,4-Dinitrotoluene.....						
2,6-Dinitrotoluene.....						
Diethyl Phthalate.....						
4-Chlorophenyl-phenylether.....						
Fluorene.....						
4-Nitroaniline(2).....						
4,6-Dinitro-2-methylphenol(2).....	UJ					
N-Nitrosodiphenylamine(1).....						
4-Bromophenyl-phenylether.....						
Hexachlorobenzene.....						
Pentachlorophenol(2).....	UJ					
Phenanthrene.....						
Anthracene.....						
di-n-Butyl Phthalate.....						
Fluoranthene.....						
Pyrene.....						
Butyl Benzyl Phthalate.....						
3,3'-Dichlorobenzidine(3).....						
Benzo(a)Anthracene.....						
bis(2-Ethylhexyl) Phthalate.....						
Chrysene.....						
di-n-Octyl Phthalate.....						
Benzo(b)Fluoranthene.....						
Benzo(k)Fluoranthene.....						
Benzo(a)Pyrene.....						
Indeno(1,2,3-cd)Pyrene.....						
Dibenzo(a,h)Anthracene.....						
Benzo(a,h,i)Perylene.....						

WESTON ANALYTICS  
 PESTIC. /PCB's  
 CLP LIST

=====  
 Case Number: 23664    SDG: #267    Client: BAKER    Page: 1  
 =====

	Cust ID:	01R0820	43GW011	43GW021	43GW031	43SW03	44SW02
Sample Information	Matrix:	Water	Water	Water	Water	Water	Water
	D.F.:	1	1	1	1	1	1
	Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
		fl	fl	fl	fl	fl	fl

Alpha-BHC.....  
 Beta-BHC.....  
 Delta-BHC.....  
 Gamma-BHC (Lindane).....  
 Heptachlor.....  
 Aldrin.....  
 Heptachlor Epoxide.....  
 Endosulfan I.....  
 Dieldrin.....  
 4,4'-DDE.....  
 Endrin.....  
 Endosulfan II.....  
 4,4'-DDD.....  
 Endosulfan Sulfate.....  
 4,4'-DDT.....  
 Methoxychlor.....  
 Endrin Ketone.....  
 Alpha Chlordane.....  
 Gamma Chlordane.....  
 Toxaphene.....  
 Aroclor-1016.....  
 Aroclor-1221.....  
 Aroclor-1232.....  
 Aroclor-1242.....  
 Aroclor-1248.....  
 Aroclor-1254.....  
 Aroclor-1260.....



1 WESTON WAY  
WEST CHESTER, PA 19380-1449  
PHONE: 215-692-3030  
FAX: 215-430-3124

November 6, 1991

Mr. R. D. Wattras  
Project Manager  
Baker Environmental, Inc.  
Airport Office Park, Building 3  
420 Rouser Road  
Coraopolis, PA 15108

Dear Mr. Wattras,

Attached are the completed data validation reports for Baker Environmental, Inc. It has been a pleasure providing data validation services to your firm. We look forward to assisting in any future projects.

Please do not hesitate to contact me with any questions or comments at (215) 344-3745.

Very truly yours,

ROY F. WESTON, INC.

Zohreh Hamid, Ph.D  
Section Manager  
Analytics Division

ZH:elt

enc.





1 WESTON WAY  
WEST CHESTER, PA 19380-1449  
PHONE: 215-692-3030  
FAX: 215-430-3124

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ORGANIC QUALITY ASSURANCE REVIEW  
SITE: BAKER (CLEAN)  
CASE: 23664  
SDG: 41

REVIEW PERFORMED BY  
THE ANALYTICS DIVISION  
OF  
ROY F. WESTON, INC.

VERIFIED BY: \_\_\_\_\_

*Zohreh Hamid*

Zohreh Hamid, Ph.D.  
Section Manager - Data Validation

*11-6-91*

Date

---



SITE: BAKER (CLEAN)  
CASE: 23664  
SDG: 41

INTRODUCTION

This quality assurance review is based upon a review of all data generated from twenty (20) soil samples collected on 07-26,27,28-91. The samples were analyzed according to criteria set forth in the Contract Laboratory Program (CLP) for TCL Volatile, Semivolatile and Pesticide/PCB target compounds.

This review has been performed in accordance with the confirmation method. The reported analytical results are presented as a summary of the data in Attachment II. All of the analytical data were examined to determine the usability of the analytical results and also to determine contractual compliance relative to the analytical requirements and deliverables specified for CLP method. The applicable qualifier codes have been placed next to the results in the data summary to indicate the qualitative and/or quantitative reliability. The details of this evaluation review are presented in the memo section of this report.

All data have been validated with regard to usability according to the quality assurance guidelines set forth in the USEPA Functional Guidelines for evaluation of organic analysis for completion of the Data Validation Report Forms and preparation of the final data validation report. If you have any questions or comments on this data review, please call Zohreh Hamid at (215) 344-3745.

QUALITY ASSURANCE REVIEW

The analyses of the samples were performed by CompuChem Laboratories, Inc.

The findings offered in this report are based upon a rigorous review of the following criteria:

- \*   •   Holding times
- \*   •   GC/MS tuning
- \*   •   Calibration
- \*   •   Blanks
- Surrogate recoveries
- Matrix spike/spike duplicate
- Internal standard
- \*   •   Instrument performance
- \*   •   Compound identification
- \*   •   Compound quantitations
- Data completeness
  
- \*   =   All criteria were met for this classification.



EVALUATION BY FRACTION

I. Volatiles

Holding Time  
 Surrogate Recovery  
 MS/MSD  
 Blank  
 GC/MS Tuning  
 Initial Calibration  
 Continuing Calibration  
 Compound ID (HSL, TIC)  
 Standards  
 Spectra Quality  
 Chromatography  
 Data Completeness

Twenty (20) soil samples were analyzed within holding time.

The surrogate and internal standard recoveries were within the control limits. All spike recoveries met the CLP criteria. The laboratory blanks had common laboratory contamination at levels less than CRQL. Problems associated with the sample analysis are listed in the following section.

The %D for 2-butanone (99.9%) exceeded 25% in the continuing calibration analyzed on 8-4-91. The reported quantitation limit for the affected sample (633B0406) is rejected and is flagged "R" in the data summary.

The %RSD for methylene chloride and acetone exceeded 30% requirement limits. Also up to eight (8) compounds had %D above 25% in the continuing calibrations. These compounds with the exception of acetone and methylene chloride were not detected in the samples, therefore, the quantitation limits for the compounds with %D above 50% are considered estimated and are flagged "UJ".

Methylene chloride and acetone were detected in the laboratory blanks at levels less than CRQL. The reported sample results which are not substantially above the blank levels are flagged "U" and should be considered as their detection limits. 1,1,2,2-Tetrachloroethane was reported in the blank. This compound was not detected in the samples; therefore, the data are not impacted.



EVALUATION BY FRACTION

II. Base/Neutral/Acids

- \_\_\_\_\_ Holding Time
- \_\_\_\_\_ Extraction Time
- \_\_\_\_\_ Surrogate Recovery
- X Blank
- X MS/MSD
- \_\_\_\_\_ GC/MS Tuning
- X Initial Calibration
- X Continuing Calibration
- \_\_\_\_\_ Compound ID (HSL, TIC)
- \_\_\_\_\_ Standards
- \_\_\_\_\_ Spectra Quality
- \_\_\_\_\_ Chromatography
- \_\_\_\_\_ Data Completeness

This portion of the case consisted of twenty (20) soil samples. The samples were extracted/analyzed within the holding times established in USEPA.

All surrogate and internal standard recoveries were within the control limits. Overall the data are representative. The minor problems are listed in the following section.

The following spike recoveries were less than the lower control limits in matrix spike duplicate (MSD) sample.

<u>Compound Name</u>	<u>% Recovery</u>	<u>Lower QC Limit</u>
N-Nitroso-di-n-propylamine	39	41
1,2,4-Trichlorobenzene	37	38

Also, the RPD for 1,2,4-trichlorobenzene and acenaphthene exceeded the control limits. These compounds were not detected in the samples, also, since the spike recoveries met the criteria in matrix spike sample no qualifier codes have been applied to the data.

Di-n-butylphthalate and bis(2-ethylhexyl)phthalate (common laboratory contaminates) are detected in the samples as well as the laboratory blanks at levels less than CRQL. The associated sample results are adjusted to the corresponding sample CRQL, and are flagged "U" in the data summary.



QA ORGANIC DATA REVIEW  
BAKER (CLEAN)  
CASE: 23664  
SDG: 41  
Page 5 of 6

The low concentration of bis(2-ethylhexyl)phthalate in some samples are flagged "J" by the laboratory since the corresponding laboratory blank was free of target compound contamination. However, this compound is considered as the laboratory artifact contamination and the reported results should be disregarded. Therefore, the reported results are adjusted to the corresponding CRQLs and are flagged "U" in the data summary.

Up to 8 compounds had %RSD and/or %D above the 30% and 25% in the initial and continuing calibrations. These compounds were not detected in the samples and since the % differences (%Ds) were less than 50%, the reported sample data are not impacted.

Up to eleven TICs were reported in the samples. Aldol condensation products, and solvent contaminates are reported in the samples as well-as the laboratory blanks. Unknown TICs (Alkane, Siloxane and Benzene derivatives) are reported in the samples.

Note:

The quantitation reports and the TIC spectra were not included in the data package for sample 44SB0600. The respective laboratory has been contacted. The acceptance of the sample data is dependent upon the resubmission of the requested documents.



EVALUATION BY FRACTION

III. Pesticides/PCB

- Holding Time
- Extraction Time
- Surrogate Recovery
- MS/MSD
- Blank
- Linearity Calibration
- DDT/Endrin Degradation
- Analytical Sequence
- DBC Retention Time
- Continuing Calibration
- Retention Time Window
- Standards
- Chromatography
- HSL Compounds
- Data Completeness

This case consisted of twenty (20) soil samples analyzed for pesticide/PCB target compounds.

The extraction holding time exceeded for Samples 44SB0600 and 63SB0400 by 10 and 12 days respectively. The reported results and the quantitation limits are qualified estimated.

The (0%) DBC surrogate recovery was obtained for Sample 63SB0400. The laboratory case narrative stated that this sample was re-extracted outside the holding time due to the surrogate recovery below the quality control limit of ten percent (10%). The sample demonstrated the matrix effect. This sample has not been included in the data package.

The quantitation analysis was not performed for samples 44SB0608 and 43SB0506MSD. Only the confirmation analysis was reported and included in the data package. The reported quantitation limits are qualified estimated for the associated samples.

A few compounds had %D above 15% requirement criteria, these standards were analyzed at the end of the sample analysis, therefore, there is no impact to the data.

Compounds were detected in the samples as-well-as the laboratory blanks at levels less than CRQL. Therefore, these compounds were not reported by the laboratory.

**ATTACHMENT I**  
**GLOSSARY OF DATA QUALIFIER CODES**



## GLOSSARY OF DATA QUALIFIERS

### CODES RELATING TO IDENTIFICATION

(confidence concerning presence or absence of compounds):

- U = NOT DETECTED, SUBSTANTIALLY ABOVE THE LEVEL REPORTED IN LABORATORY OR FIELD BLANKS.
- R = UNRELIABLE RESULT. ANALYTE MAY OR MAY NOT BE PRESENT IN THE SAMPLE. SUPPORTING DATA NECESSARY TO CONFIRM RESULT.
- N = NEGATED COMPOUND WAS CONSIDERED AS NOT PRESENT IN THE SAMPLE.

(NO CODE) = CONFIRMED IDENTIFICATION

### CODES RELATING TO QUANTITATION

(can be used for both positive results and sample quantitation limits):

- J = ANALYTE PRESENT. REPORTED VALUE MAY NOT BE ACCURATE OR PRECISE.
- L = ANALYTE PRESENT. REPORTED VALUE MAY BE BIASED LOW. ACTUAL VALUE IS EXPECTED TO BE HIGHER.
- UJ = THE REPORTED QUANTITATION LIMITS ARE QUALIFIED ESTIMATED.
- UL = NOT DETECTED. QUANTITATION LIMIT MAY BE HIGHER.

### OTHER CODES

- Q = NO ANALYTICAL RESULT.



**ATTACHMENT II  
DATA SUMMARIES**

WESTON ANALYTICS  
GC/MS L SUMMARY  
VOLATILE HAZARDOUS SUBSTANCE LIST COMPOUNDS

Case Number: 23664    SDG#: 41    Client: BAKER Page: 1

Sample Information	Matrix:	Soil	Soil	Soil	Soil	Soil	Soil
	D.F.:	1	1	1	1	1	1
	Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg

	Cust ID: 01SB1816	43SB0100	43SB0103	43SB0500	43SB0506	44SB0500
Chloromethane.....						
Bromomethane.....						
Vinyl Chloride.....						
Chloroethane.....						
Methylene Chloride.....		37 U	47 U	84 U	29 U	37 U    16 U
Acetone.....		21 U	19 U	16 U	17 U	24 U    11 U
Carbon Disulfide.....						
1,1-Dichloroethene.....						
1,1-Dichloroethane.....						
Trans-1,2-Dichloroethene.....						
Chloroform.....						
1,2-Dichloroethane.....						
2-Butanone.....						
1,1,1-Trichloroethane.....						
Carbon Tetrachloride.....						
Vinyl Acetate.....						
Bromodichloromethane.....						
1,2-Dichloropropane.....						
Trans-1,3-Dichloropropene.....						
Trichloroethene.....						
Dibromochloromethane.....						
1,1,2-Trichloroethane.....						
Benzene.....						
cis-1,3-Dichloropropene.....						
2-Chloroethylvinylether.....						
Bromoform.....						
4-Methyl-2-pentanone.....						
2-Hexanone.....						

UJ

=====  
Case Number: 23664

SDG#: 41

Client: BAKER

Page: 1  
=====

Cust ID: 01SB1816 43SB0100 43SB0103 43SB0500 43SB0506 44SB0500

=====  
=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====

Tetrachloroethene.....  
1,1,2,2-Tetrachloroethane.....  
Toluene.....  
Chlorobenzene.....  
Ethylbenzene.....  
Styrene.....  
Total Xylenes.....

WESTON ANALYTICS  
GC/MS . . . SUMMARY  
SEMI-VOLATILE HAZARDOUS SUBSTANCE LIST COMPOUNDS

=====  
Case Number: 23664    SDG#: 41    Client: BAKER    Page: 1  
-----

Sample Information	Cust ID:	01SB1816	43SB0100	43SB0103	43SB0506	43SB0500	44SB0500
Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil
D.F.:	1	1	1	1	1	1	1
Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg

=====  
=====fl=====fl=====fl=====fl=====fl=====fl=====fl

- Phenol.....
- bis(2-Chloroethyl) Ether.....
- 2-Chlorophenol.....
- 1,3-Dichlorobenzene.....
- 1,4-Dichlorobenzene.....
- Benzyl Alcohol.....
- 1,2-Dichlorobenzene.....
- 2-Methylphenol.....
- bis(2-Chloroisopropyl) Ether.....
- 4-Methylphenol.....
- N-Nitroso-di-n-propylamine.....
- Hexachloroethane.....
- Nitrobenzene.....
- Isophorone.....
- 2-Nitrophenol.....
- 2,4-Dimethylphenol.....
- Benzoic Acid(2).....
- bis(2-Chloroethoxy)Methane.....
- 2,4-Dichlorophenol.....
- 1,2,4-Trichlorobenzene.....
- Naphthalene.....
- 4-Chloroaniline.....
- Hexachlororbutadiene.....
- 4-Chloro-3-methylphenol.....
- 2-Methylnaphthalene.....
- Hexachlorocyclopentadiene.....

Cust ID: 01SB1816    43SB0100    43SB0103    43SB0506    43SB0500    44SB0500

=====  
=====fl=====fl=====fl=====fl=====fl=====fl=====fl

2,4,6-Trichlorophenol.....					
2,4,5-Trichlorophenol(2).....					
2-Chloronaphthalene.....					
2-Nitroaniline(2).....					
Dimethyl Phthalate.....					
Acenaphthylene.....					
3-Nitroaniline(2).....					
Acenaphthene.....					
2,4-Dinitrophenol(2).....					
4-Nitrophenol(2).....					
Dibenzofuran.....					
2,4-Dinitrotoluene.....					
2,6-Dinitrotoluene.....					
Diethyl Phthalate.....					
4-Chlorophenyl-phenylether.....					
Fluorene.....					
4-Nitroaniline(2).....					
4,6-Dinitro-2-methylphenol(2).....					
N-Nitrosodiphenylamine(1).....					
4-Bromophenyl-phenylether.....					
Hexachlorobenzene.....					
Pentachlorophenol(2).....					
Phenanthrene.....					
Anthracene.....					
di-n-Butyl Phthalate.....	380 U		490 U		
Fluoranthene.....					
Pyrene.....					
Butyl Benzyl Phthalate.....					
3,3'-Dichlorobenzidine(3).....					
Benzo(a)Anthracene.....					
bis(2-Ethylhexyl)Phthalate.....	380 U		490 U	380 U	370 U
Chrysene.....					
di-n-Octyl Phthalate.....					
Benzo(b)Fluoranthene.....					
Benzo(k)Fluoranthene.....					
Benzo(a)Pyrene.....					
Indeno(1,2,3-cd)Pyrene.....					
Dibenz(a,h)Anthracene.....					
Benzo(a,h,i)Perylene.....					

WESTON ANALYTICS  
 PESTI /PCB's  
 CLF LIST

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=====
Case Number: 23664   SDG#: 41   Client:   BAKER                               Page: 1
-----
                Cust ID: 01SB1816   43SB0100   43SB0103   43SB0500   43SB0506   44SB0500
Sample
Information      Matrix:   Soil      Soil      Soil      Soil      Soil      Soil
                D.F.:      1         1         1         1         1         1
                Units:   ug/kg    ug/kg    ug/kg    ug/kg    ug/kg    ug/kg
=====fl=====fl=====fl=====fl=====fl=====fl=====

```

- Alpha-BHC.....
- Beta-BHC.....
- Delta-BHC.....
- Gamma-BHC (Lindane).....
- Heptachlor.....
- Aldrin.....
- Heptachlor Epoxide.....
- Endosulfan I.....
- Dieldrin.....
- 4,4'-DDE.....
- Endrin.....
- Endosulfan II.....
- 4,4'-DDD.....
- Endosulfan Sulfate.....
- 4,4'-DDT.....
- Methoxychlor.....
- Endrin Ketone.....
- Alpha Chlordane.....
- Gamma Chlordane.....
- Toxaphene.....
- Aroclor-1016.....
- Aroclor-1221.....
- Aroclor-1232.....
- Aroclor-1242.....
- Aroclor-1248.....
- Aroclor-1254.....
- Aroclor-1260.....

**APPENDIX E**  
**INORGANIC DATA VALIDATION REPORTS**

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INORGANIC QUALITY ASSURANCE REVIEW  
SITE: BAKER ENVIRONMENTAL  
CASE: 50024  
SDG: 664125

REVIEW PERFORMED BY  
THE ANALYTICS DIVISION  
OF  
ROY F. WESTON, INC.

PREPARED BY: *Douglas J. Godfrey* 9-30-91  
Date  
Douglas J. Godfrey  
Project Scientist - Data Validation

VERIFIED BY: *Kelly Muir Pittler* 9-30-91  
Date  
*for.* Zohreh Hamid, Ph.D.  
Section Manager - Data Validation





BAKER ENVIRONMENTAL  
LABORATORY COMPUCHEM LABORATORIES

CASE: 50024

SDG: 664125

The laboratory's portion of SDG 664125 consisted of twenty soil samples analyzed for Target Analyte List (TAL) inorganics by Compuchem Laboratories.

The laboratory reported no problems with the receipt or subsequent analysis of the samples received on 7/25,26/91.

The laboratory performed the analyses according to the procedures set forth in the USEPA CLP Method (7/88). Analysis of the blanks indicated a slight contamination or baseline drift for Al, Ba, Be, Ca, Fe, Mg, Mn, Na, and Zn. Initial and continuing calibration verification samples were within acceptable control limits. Problems affecting the data usability are discussed in the following sections. A list of samples with criteria deficiencies and qualifier codes is summarized in TABLE I. A glossary of qualifier codes is presented in Attachment I.

Issues

The calibration blanks contained Al, Ba, Be, Ca, Fe, Mg, Mn, and Zn above the IDL. All associated sample results  $\geq$ IDL but  $\leq$ 5x the blank level are qualified (U) due to contamination or baseline drift (Mg = 01SB0200, 01SB0400, 01SB0600, 01SB0800, 01SB1316; Zn = 01SB0500, 01SB05135, 01SB0600, 01SB0613, 01SB0713, 01SB0913, 01SB1316; and Ca = 01SB03125, 1SB04145, 01SB0214, 01SB0114, 01SB05135, 01SB0613, 01SB0813, 01SB0913, 01SB1316). All associated sample results  $<$ IDL or  $>$ 5x the blank value are accepted unqualified.

The Preparation Blank contained Al, Ca, and Na above the IDL. All associated sample results  $\geq$ IDL but  $\leq$ 5x the blank level are qualified (U) due to blank contamination or baseline drift (Na = all samples). The preparation blank results are negated for Al and Ca due to calibration blank difficulties, so no samples were qualified due to preparation blank problems for these elements.

The matrix spike percent recoveries for Sb (44.1) and Pb (73.0) were below the CLP control limits ( $\pm$ 25%). All associated sample results are qualified as estimated.



Notes:

The client ID on page 142 should be 01SB03135 not 01SB03125.

The CCV values for Pb and Tl were incorrectly entered with blank spaces in the IIA forms. All reported data is correct and within control limits so no qualification is required (CCV page 29 should be CCV2 page 28, and CCV 1 & 2 page 30 should be CCV 1 & 2 page 29).

The duplicate digestion sample was outside the CLP control limit for Al, but was within acceptable validation control limits, so no qualification was required.



Sample #	Analyte	+DL	-QL	Comments
All Samples	Na	U	-	1
	Sb, Pb	J	UJ	2
	Al, Ba, Be, Ca, Fe, Mg, Mn, Zn	U	-	3

Comments

- 1 Due to preparation blank contamination or baseline drift, all associated sample results  $\geq$ IDL but  $\leq$ 5x the blank level are qualified U, and results  $<$ IDL or  $>$ 5x the blank level are accepted unqualified.
- 2 Due to a low matrix spike percent recovery, all associated sample results are qualified as estimated.
- 3 Due to calibration blank contamination or baseline drift, all associated sample results  $\geq$ IDL but  $\leq$ 5x the blank level are qualified U, and results  $<$ IDL or  $>$ 5x the blank level are accepted unqualified.



INFORMATION REGARDING REPORT CONTENT

All data have been validated with regard to usability according to USEPA Functional Guidelines for Evaluating Inorganic Analyses (7/88). If you have any questions or comments on this data review, please contact Zohreh Hamid at (215) 344-3745.

INORGANIC ATTACHMENTS

- 1) Attachment I - Glossary of Qualifier Codes.
- 2) Attachment II - Data Summary. This includes: All positive results with qualifier codes if applicable; all estimated detection limits qualified with "UJ".

**ATTACHMENT I**  
**GLOSSARY OF DATA QUALIFIERS**



## GLOSSARY OF DATA QUALIFIERS

### CODES RELATING TO IDENTIFICATION

(confidence concerning presence or absence of compounds):

- U = NOT DETECTED, SUBSTANTIALLY ABOVE THE LEVEL REPORTED IN LABORATORY OR FIELD BLANKS.
- R = UNRELIABLE RESULT. ANALYTE MAY OR MAY NOT BE PRESENT IN THE SAMPLE. SUPPORTING DATA NECESSARY TO CONFIRM RESULT.
- N = NEGATED COMPOUND WAS CONSIDERED AS NOT PRESENT IN THE SAMPLE.

(NO CODE) = CONFIRMED IDENTIFICATION

### CODES RELATING TO QUANTITATION

(can be used for both positive results and sample quantitation limits):

- J = ANALYTE PRESENT. REPORTED VALUE MAY NOT BE ACCURATE OR PRECISE.
- L = ANALYTE PRESENT. REPORTED VALUE MAY BE BIASED LOW. ACTUAL VALUE IS EXPECTED TO BE HIGHER.
- UJ = THE REPORTED QUANTITATION LIMITS ARE QUALIFIED ESTIMATED.
- UL = NOT DETECTED. QUANTITATION LIMIT MAY BE HIGHER.

### OTHER CODES

- Q = NO ANALYTICAL RESULT.

**ATTACHMENT II  
DATA SUMMARY**











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**INORGANIC QUALITY ASSURANCE REVIEW**  
**BAKER ENVIRONMENTAL**  
**CASE: 50024**  
**SDG: 664144**

**REVIEW PERFORMED BY**  
**THE ANALYTICS DIVISION**  
**OF**  
**ROY F. WESTON, INC.**

PREPARED BY: 

Douglas J. Godfrey  
Project Scientist - Data Validation

10-8-91

Date

VERIFIED BY: 

Zohreh Hamid, Ph.D.  
Section Manager - Data Validation

10-8-91

Date



BAKER ENVIRONMENTAL  
COMPUCHEM LABORATORIES

CASE: 50024  
SDG: 664144

The laboratory's portion of SDG 664144 consisted of twenty (20) soil samples analyzed for Target Analyte List (TAL) metals and Cyanide by Compuchem Laboratories.

The laboratory reported no problems with the samples received on 7/26,27/91.

The laboratory performed the analyses according to the procedures set forth in the USEPA CLP method (7/88). The initial and continuing calibration verification samples were within acceptable control limits. Problems affecting the data usability are discussed in the following sections. A list of the samples with the criteria deficiencies and qualifier codes are summarized in TABLE I. A glossary of qualifier codes is presented in Attachment I.

Issues

The calibration blanks and preparation blank contained Al, Ba, Be, Ca, Fe, Mg, Mn, Na, and Zn above the IDL. All associated sample results  $\geq$  IDL but  $\leq$  5x the blank levels are qualified "U" due to contaminations. The reported sample results are qualified as follows:

The reported sample results for Al and Fe were  $\geq$  5x the highest blank contamination levels, therefore, the reported result for this analytes are considered as true values and are not qualified due to the blank contaminations.

The result for Be in Sample 01SB1000 is qualified "U" non-detected. This analyte was not detected in any other samples.

The results for Ca and Zn are considered estimated due to the RPD outlier. However, those sample results which are not substantially above 5x the blank contamination are flagged "U" and should be considered as detection limits. Also the reported results for Ba, Mg, and Mn are compared to the blank level contaminations and are flagged accordingly. All associated sample results  $\leq$  IDL or  $\geq$  5x the blank values are not qualified "U" and accepted as true values.

The matrix spike percent recoveries for Sb (65.9) and Ag (57.8) were below the CLP control limits of 75%. All associated sample detection limits are qualified as estimated.

# WESTON

The %RPD's for Ca (37.5), Cr (43.2), and Zn (39) were above the control requirement limit of 35%. The reported results are qualified estimated.

The 26-day analysis holding time was exceeded for Mercury by 23 days. The laboratory case narrative stated that the Mercury samples were initially analyzed within holding time consideration. However, the initial analysis failed continuing calibration verification criteria, therefore, the samples were reanalyzed outside the holding time. The reported results and the detection limits are considered biased low and are qualified estimated.

The analytical post matrix spike recoveries for Pb were less than quality control limit of 85% for Sample 01SB1000, 01SB1400, and 01SB1716. The results are reported from the Method of Standard Addition (MSA). The correlation coefficient for Sample 01SB1000 did not meet the criteria. The result for Sample 01SB1000 is considered estimated.

TABLE I

Sample ID	Analyte	+ Result	- QL	Comment
All samples	Ba, Na	U	--	1
01SB1000	Be	U	--	1
All samples with the exception of 01SB1000 & 01SB1200	Mg	U	--	1
All samples with the exception of 01SB1000 & 01SB1200	Mn	U	--	1
All samples with the exception of 01SB1700	Zn	U	--	1
01SB (0913, 1116, 1700, 1800, 1416, 1500, 1500D, 1516), 43SB0 (200, 200D, 204) & 63SB0500	Ca	U	--	1
All samples	Sb, Ag	--	UJ	2
All samples	Cr	J	--	3
01SB1700	Zn	J	--	3
All sample results above 5x the blank contamination	Ca	J	--	3
01SB1000	Pb	J	--	4
All samples	Hg	--	UJ	5



Comments

1. Due to the preparation blank and/or the calibration verification blank contaminations, the sample results  $\geq$  IDL but  $\leq$  5x the blank levels are qualified "U".
2. Due to the low matrix spike recovery, all associated sample results and the detection limits are qualified estimated.
3. Due to the percent duplicate outlier "indicated a non-homogeneous sample matrix," the reported results are considered estimated.
4. The result is determined and reported from the Method of Standard Addition (MSA) with correlation coefficient less than 0.995. The result is considered estimated.
5. The analysis holding time was exceeded.



**ATTACHMENT I**  
**GLOSSARY OF DATA QUALIFIER CODES**



## GLOSSARY OF DATA QUALIFIERS

### CODES RELATING TO IDENTIFICATION

(confidence concerning presence or absence of compounds):

- U = NOT DETECTED, SUBSTANTIALLY ABOVE THE LEVEL REPORTED IN LABORATORY OR FIELD BLANKS.
- R = UNRELIABLE RESULT. ANALYTE MAY OR MAY NOT BE PRESENT IN THE SAMPLE. SUPPORTING DATA NECESSARY TO CONFIRM RESULT.
- N = NEGATED COMPOUND WAS CONSIDERED AS NOT PRESENT IN THE SAMPLE.

(NO CODE) = CONFIRMED IDENTIFICATION

### CODES RELATING TO QUANTITATION

(can be used for both positive results and sample quantitation limits):

- J = ANALYTE PRESENT. REPORTED VALUE MAY NOT BE ACCURATE OR PRECISE.
- L = ANALYTE PRESENT. REPORTED VALUE MAY BE BIASED LOW. ACTUAL VALUE IS EXPECTED TO BE HIGHER.
- UJ = THE REPORTED QUANTITATION LIMITS ARE QUALIFIED ESTIMATED.
- UL = NOT DETECTED. QUANTITATION LIMIT MAY BE HIGHER.

### OTHER CODES

- Q = NO ANALYTICAL RESULT.

**ATTACHMENT II  
DATA SUMMARIES**













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INORGANIC QUALITY ASSURANCE REVIEW  
BAKER ENVIRONMENTAL  
CASE: 50024  
SDG: 664164

REVIEW PERFORMED BY  
THE ANALYTICS DIVISION  
OF  
ROY F. WESTON, INC.

PREPARED BY:   
Douglas J. Godfrey  
Project Scientist - Data Validation

10-8-91  
Date

VERIFIED BY:   
Zohreh Hamid, Ph.D.  
Section Manager - Data Validation

10-8-91  
Date

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BAKER ENVIRONMENTAL  
COMPUCHEM LABORATORIES

CASE: 50024

SDG: 664164

The laboratory's portion of SDG 664164 consisted of twenty (20) soil samples analyzed for the inorganic Target Analyte List metal (TAL) and Cyanide by Compuchem Laboratories.

The laboratory reported no problems with the receipt of the samples received on 7-30-1991.

The laboratory performed the analyses according to the procedures set forth in the USEPA CLP method (7/88). The initial and continuing calibration verification samples were within acceptable control limits. Problems affecting the data usability are discussed in the following sections. A list of the samples with the criteria deficiencies and qualifier codes are summarized in TABLE I. A glossary of qualifier codes is presented in Attachment I.

Issues

The calibration blanks contained Al, Ba, Be, Ca, Fe, Mn, and Zn above the IDL. All associated sample results  $\geq$  IDL but  $\leq$  5x the blank levels are qualified "U" due to the blank contamination.

The results for Al and Fe in all samples were  $\geq$  5x the blank contamination levels, therefore, the qualifier codes have not been applied to these analytes due to the laboratory artifact.

The preparation blank contained "Na" at levels comparable to the sample results. Therefore, the results for all samples are flagged "U" and should be considered as sample detection limits.

The preparation blank and calibration blanks contained "Ca" at levels less than CRDL. The reported sample results which are not substantially above the blank levels are qualified in the data summary.

The low amount of "Zn" was detected in the preparation blank. The level of this analyte in the samples were above 5x the associated blank level. Even though, the data are not contractually qualified, the low results of "Zn" in the sample could be attributed to the laboratory artifact contamination.



The matrix spike percent recovery for Ag (61.7) was below the CLP control limit of 75%. All associated sample detection limits are qualified estimated.

The relative percent duplicate for Pb (29.8) exceeded 20% contract requirement limits. The reported sample results are flagged with "\*" by the laboratory. However, since the value of RPD did not exceed 35% the data are considered acceptable, and qualifier codes were not applied to these soil samples.

Due to the matrix interferences the analytical spike recovery for Pb was outside the control limits in Sample 63SB0406. The result for this analyte was determined by the Method of Standard Additions (MSA). The correlation coefficient for this analyte (0.999) was above the acceptable limit of 0.995. Therefore, the reported result is accepted.

The analytical post spike recoveries were above the upper QC limit of 115% in the following samples.

<u>Sample</u>	<u>Analyte</u>	<u>%Recovery</u>
43SB0506	Se	120
63SB0400	Se	120
43SB0100	As	126.9
43SB0103	As	119
43SB0500	As	121.8
44SB608	As	118
63SB02045	As	117
63SB0503	As	131

These analyte were not detected in the samples, therefore, the data are not impacted.

TABLE I

Sample ID	Analyte	+ Result	- QL	Comments
01SB1816, 43SB0100, 43SB0506, 44SB0507, 44SB0608, 63SB0200, 63SB02045, 63SB0503, 63SB0600, 43SB0500, 63SB06045	Ba	U	--	1
63SB0107, 63SB0406	Be	U	--	1
All samples with the exception of 43SB0103, 44SB0500, 44SB0600, 63SB0406	Ca	U	--	1
01SB1816, 43SB0100, 43SB0506, 44SB0507, 44SB0608, 63SB02045	Mn	U	--	1
All samples	Na	U	--	1
All samples	Ag		UJ	2

Comments

1. Due to the preparation and/or the calibration blanks contaminations, the reported results which are  $\geq$  IDL but  $\leq$  5x the blank level are qualified "U" and should be considered as the sample detection limits.
2. Due to the matrix spike recovery below the lower control limits indicating matrix possible matrix problems, the reported quantitation limits are considered estimated.

**ATTACHMENT I**  
**GLOSSARY OF DATA QUALIFIER CODES**



## GLOSSARY OF DATA QUALIFIERS

### CODES RELATING TO IDENTIFICATION

(confidence concerning presence or absence of compounds):

- U = NOT DETECTED, SUBSTANTIALLY ABOVE THE LEVEL REPORTED IN LABORATORY OR FIELD BLANKS.
- R = UNRELIABLE RESULT. ANALYTE MAY OR MAY NOT BE PRESENT IN THE SAMPLE. SUPPORTING DATA NECESSARY TO CONFIRM RESULT.
- N = NEGATED COMPOUND WAS CONSIDERED AS NOT PRESENT IN THE SAMPLE.

(NO CODE) = CONFIRMED IDENTIFICATION

### CODES RELATING TO QUANTITATION

(can be used for both positive results and sample quantitation limits):

- J = ANALYTE PRESENT. REPORTED VALUE MAY NOT BE ACCURATE OR PRECISE.
- L = ANALYTE PRESENT. REPORTED VALUE MAY BE BIASED LOW. ACTUAL VALUE IS EXPECTED TO BE HIGHER.
- UJ = THE REPORTED QUANTITATION LIMITS ARE QUALIFIED ESTIMATED.
- UL = NOT DETECTED. QUANTITATION LIMIT MAY BE HIGHER.

### OTHER CODES

- Q = NO ANALYTICAL RESULT.

**ATTACHMENT II  
DATA SUMMARIES**







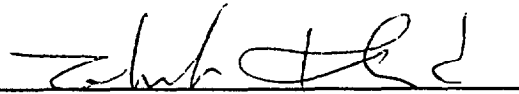
1 WESTON WAY  
WEST CHESTER, PA 19380-1449  
PHONE: 215-692-3030  
FAX: 215-430-3124

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**INORGANIC QUALITY ASSURANCE REVIEW**  
**BAKER ENVIRONMENTAL**  
**CASE: 50024**  
**SDG: 664307**

**REVIEW PERFORMED BY**  
**THE ANALYTICS DIVISION**  
**OF**  
**ROY F. WESTON, INC.**

PREPARED BY:



Zohreh Hamid, Ph.D.  
Section Manager - Data Validation

10-24-91  
Date



BAKER ENVIRONMENTAL  
COMPUCHEM LABORATORIES

CASE: 50024  
SDG: 664307

The laboratory's portion of SDG 664307 consisted of sixteen (16) water samples analyzed for the inorganic Target Analysis List TAL and Cyanide by CompuChem Laboratories.

The laboratory reported no problems with the analysis of the samples received on 8-21,23,24,26-91.

The laboratory performed the analyses according to the procedures set forth in the USEPA CLP method (7/88). Problems affecting the data usability are discussed in the following sections. A list of the samples with the criteria deficiencies and qualifier codes is presented in Attachment I.

Issues

Due to the matrix interferences or the analytical problems the matrix spike recovery for CN (0.0%) was below the lower control limit of 75%. This analyte was not detected in the samples, therefore the possibility of false negative exist. The reported detection limit for this analyte is rejected.

The preparation blank contained "Al", "Ca", "Fe", "Mg", "Za", and Na at levels less than CRDL, but above the IDL. All associated sample results  $\geq$  IDL but  $\leq$  5x the blank levels should be qualified "U".

The concentration of "Al", "Ca", "Mg", "Na", "Zn" and "Fe" were above 5 times the blank contaminations in the samples. The reported results are considered as true values and are not qualified based on the blank contaminations with the exception of "Al" and "Fe" in samples (01R0820 and 63R0823) and "Ca", "Na" and "Zn" in sample 63R0823.

The RPD for "Zn" (88.6) exceeded the 20% criteria. The reported sample results are qualified estimated.

"As" in samples 44GW-011 and 65GW021 were determined by ICP. Also "As" in sample 44GW-011 was determined by Method of Standard Addition (MSA). Comparison of the results did not give an acceptable reproducibility (570 ug/L vs. 58.4ug/L). The reported result for "As" in this sample is rejected.



The results for "Pb" in samples 44GW-011, 44GW-031, 44GW-031D and 63GW-021 were determined by ICP analyses. Also "Pb" in sample 44GW-011 was analyzed by "MSA". Comparison of ICP and MSA results gave not an acceptable reproducibility. The reported result for "Pb" in this sample is rejected.

The analytical post matrix spike recovery for "As" exceeded the 115% requirement limit in several samples. the reported detection limits are not qualified, however, the corresponding sample results are qualified "J" in the data summary.

The analytical spike recoveries for "Se" in all samples with the exception of sample "63GW021" were outside the QC limits of 85 - 115%. The result and detection limits are qualified estimated.

The analytical spike recoveries for "Pb" in sample "63R-0823" (80%) and "63GW-031" (131.6) were outside the QC limit. The reported results are biased and are qualified in the data summary.

The sample ID for sample "01R0820" was not listed on Form XIV in analysis of mercury. This form should be resubmitted. Also the sample ID for sample "44GW-31" was not listed on Form XIII in analysis of mercury. This form should be corrected and resubmitted by the laboratory.

The sample "43GW011" was listed on the Baker Environmental memo dated September 27, 1991. This sample was not included in the data packages. Instead, the results for sample BG5-1 was submitted along with the data package. Also, the laboratory sample ID "439634" was assigned to the sample "43GW011" in the chain-of-custody. The same laboratory ID number was assigned to sample BG5-1 on the entire data package. The chain-of-custody for sample BG5-1 was not included in the data package. It is this reviewer's opinion that sample "43GW011" is the same as "BG5-1. However, this discrepancy should be clarified by the respective client and the laboratory.

Sample 44GW-011 was inadvertently listed as 43GW011 in the case narrative. The case narrative should be corrected and resubmitted by the laboratory.

The Sample ID "43GW0301" on the chain-of-custody" did not coincide with the Sample ID "43GW031" in the data package. This sample was identified as "43GW031" on the bottles.



TABLE I

SAMPLE ID	ANALYTE	RESULTS	-QL	COMMENTS
All samples	CN		R	1
All samples	Zn	J		2
44GW-011	As, Pb		R	3
44GW-031D 65GW-011	As	J		4
All samples with the exception of sample 63GW021	Se		UJ	5
63R-0823 63GW-031	Pb	J		5
01R0820, 63R0823	Al, Fe	U		6
63R0823	Ca, Na, Zn	U		6

Comments

1. Due to the analytical problems, the spike recovery of 0% was obtained for CN. The reported detection limits are rejected.
2. Due to the analytical problems or matrix interference, the RPD exceeded 20% QC limit.
3. Due to the analytical problems, the reproducibility of the analyte failed the 50% requirement limit.
4. Due to the high recovery of analytical spike, the reported result is qualified estimated.
5. Due to the interference or analytical problems, the analytical spike was outside the QC limit. The reported results and the detection limits are qualified estimated.
6. Due to the preparation blank contaminations, the reported sample results which are not substantially above the blank level are qualified "U".

**ATTACHMENT I**  
**GLOSSARY OF DATA QUALIFIER CODES**



## GLOSSARY OF DATA QUALIFIERS

### CODES RELATING TO IDENTIFICATION

(confidence concerning presence or absence of compounds):

- U = NOT DETECTED, SUBSTANTIALLY ABOVE THE LEVEL REPORTED IN LABORATORY OR FIELD BLANKS.
- R = UNRELIABLE RESULT. ANALYTE MAY OR MAY NOT BE PRESENT IN THE SAMPLE. SUPPORTING DATA NECESSARY TO CONFIRM RESULT.
- N = NEGATED COMPOUND WAS CONSIDERED AS NOT PRESENT IN THE SAMPLE.

(NO CODE) = CONFIRMED IDENTIFICATION

### CODES RELATING TO QUANTITATION

(can be used for both positive results and sample quantitation limits):

- J = ANALYTE PRESENT. REPORTED VALUE MAY NOT BE ACCURATE OR PRECISE.
- L = ANALYTE PRESENT. REPORTED VALUE MAY BE BIASED LOW. ACTUAL VALUE IS EXPECTED TO BE HIGHER.
- UJ = THE REPORTED QUANTITATION LIMITS ARE QUALIFIED ESTIMATED.
- UL = NOT DETECTED. QUANTITATION LIMIT MAY BE HIGHER.

### OTHER CODES

- Q = NO ANALYTICAL RESULT.

**ATTACHMENT II  
DATA SUMMARIES**

50524 / 664307

CASE NUMBER:

CLIENT NAME:

DATA VALIDATION - INORGANIC SUMMARY							
LAB/CLIENT ID:	01R0820	43GW021	43GW031	43GW031D	44GW-011	44GW-021	
UNIT	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MATRIX	water	water	water	water	water	water	water
Aluminum	251 U	177000	66000	78300	537000	73000	
Antimony							
Arsenic		23.4			570 R		
Barium	9.5	745	220	233	3180	315	
Beryllium		4.2	1.5	1.7	36.6	1.4	
Cadmium		6.9			32.0		
Calcium	27700	10300	22300	20800	191000	2430	
Chromium		249	161	181	895	126	
Cobalt		27.7			93.2		
Copper		67.8	104	94.8	313	28.6	
	37.3 U	105000	126000	134000	662000	150000	
Lead		28.8	27.7	42.3	508 R	15.8	
Magnesium	2210	11800	6800	7400	35700	3640	
Manganese		297	72.6	74.1	1730	88.0	
Mercury			0.24		1.1		
Nickel		143	20.5	29.4	486	21.9	
Potassium	1290	10900	5190	6010	32500	4540	
Selenium		UJ	UJ	UJ	8.4 J	UJ	
Silver							
Sodium	7830	14600	22100	17900	7500	4060	
Thallium					2.7		
Vanadium		233	122	140	759	184	
Zinc	63.2 J	661 J	214 J	300 J	2800 J	87.3 J	
Cyanide							



**APPENDIX F**  
**LABORATORY ORGANIC DATA SHEETS**

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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0100

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1

Matrix: (soil/water) SOIL Lab Sample ID: 432969

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR032969A13

Level: (low/med) LOW Date Received: 07/25/91

% Moisture: not dec. 10 Date Analyzed: 07/29/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	22	B
67-64-1	-----Acetone	29	
75-15-0	-----Carbon Disulfide	6	U
75-35-4	-----1,1-Dichloroethene	6	U
75-34-3	-----1,1-Dichloroethane	6	U
540-59-0	-----1,2-Dichloroethene (total)	6	U
67-66-3	-----Chloroform	6	U
107-06-2	-----1,2-Dichloroethane	6	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	6	U
56-23-5	-----Carbon Tetrachloride	6	U
108-05-4	-----Vinyl Acetate	6	U
75-27-4	-----Bromodichloromethane	6	U
78-87-5	-----1,2-Dichloropropane	6	U
10061-01-5	-----cis-1,3-Dichloropropene	6	U
79-01-6	-----Trichloroethene	6	U
124-48-1	-----Dibromochloromethane	6	U
79-00-5	-----1,1,2-Trichloroethane	6	U
71-43-2	-----Benzene	6	U
10061-02-6	-----Trans-1,3-Dichloropropene	6	U
75-25-2	-----Bromoform	6	U
108-10-1	-----4-Methyl-2-Pentanone	11	U
591-78-6	-----2-Hexanone	11	U
127-18-4	-----Tetrachloroethene	6	U
79-34-5	-----1,1,2,2-Tetrachloroethane	6	U
108-88-3	-----Toluene	1	J
108-90-7	-----Chlorobenzene	6	U
100-41-4	-----Ethylbenzene	6	U
100-42-5	-----Styrene	6	U
1330-20-7	-----Total Xylenes	6	U

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1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

01SB0100

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432969  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR032969A13  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 10 Date Analyzed: 07/29/91  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 2

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CARENE	12.09	130	J
2.	UNKNOWN CYCLIC HYDROCARBON	14.59	14	J

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0114

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432992  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH032992C13  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 11 Date Analyzed: 07/29/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	13	B
67-64-1	-----Acetone	35	
75-15-0	-----Carbon Disulfide	6	U
75-35-4	-----1,1-Dichloroethene	6	U
75-34-3	-----1,1-Dichloroethane	6	U
540-59-0	-----1,2-Dichloroethene (total)	6	U
67-66-3	-----Chloroform	6	U
107-06-2	-----1,2-Dichloroethane	6	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	6	U
56-23-5	-----Carbon Tetrachloride	6	U
108-05-4	-----Vinyl Acetate	6	U
75-27-4	-----Bromodichloromethane	6	U
78-87-5	-----1,2-Dichloropropane	6	U
10061-01-5	-----cis-1,3-Dichloropropene	6	U
79-01-6	-----Trichloroethene	6	U
124-48-1	-----Dibromochloromethane	6	U
79-00-5	-----1,1,2-Trichloroethane	6	U
71-43-2	-----Benzene	6	U
10061-02-6	-----Trans-1,3-Dichloropropene	6	U
75-25-2	-----Bromoform	6	U
108-10-1	-----4-Methyl-2-Pentanone	11	U
591-78-6	-----2-Hexanone	11	U
127-18-4	-----Tetrachloroethene	6	U
79-34-5	-----1,1,2,2-Tetrachloroethane	6	U
108-88-3	-----Toluene	6	U
108-90-7	-----Chlorobenzene	6	U
100-41-4	-----Ethylbenzene	6	U
100-42-5	-----Styrene	6	U
1330-20-7	-----Total Xylenes	6	U

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1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0114

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
Matrix: (soil/water) SOIL Lab Sample ID: 432992  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH032992C13  
Level: (low/med) LOW Date Received: 07/25/91  
% Moisture: not dec. 11 Date Analyzed: 07/29/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0200

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432970  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH032970A13  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 8 Date Analyzed: 07/27/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	19	B
67-64-1	-----Acetone	12	B
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (total)	5	U
67-66-3	-----Chloroform	5	U
107-06-2	-----1,2-Dichloroethane	5	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	5	U
56-23-5	-----Carbon Tetrachloride	5	U
108-05-4	-----Vinyl Acetate	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	11	U
591-78-6	-----2-Hexanone	11	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
1330-20-7	-----Total Xylenes	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0200

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
Matrix: (soil/water) SOIL Lab Sample ID: 432970  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH032970A13  
Level: (low/med) LOW Date Received: 07/25/91  
% Moisture: not dec. 8 Date Analyzed: 07/27/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0214

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432991  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH032991C13  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 8 Date Analyzed: 07/29/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	10	B
67-64-1	-----Acetone	11	U
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (total)	5	U
67-66-3	-----Chloroform	5	U
107-06-2	-----1,2-Dichloroethane	5	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	5	U
56-23-5	-----Carbon Tetrachloride	5	U
108-05-4	-----Vinyl Acetate	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	11	U
591-78-6	-----2-Hexanone	11	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
1330-20-7	-----Total Xylenes	5	U



1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0214

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432991  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH032991C13  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 8 Date Analyzed: 07/29/91  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0300

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432974  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH032974A13  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 9 Date Analyzed: 07/27/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	19	B
67-64-1	-----Acetone	11	U
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (total)	5	U
67-66-3	-----Chloroform	5	U
107-06-2	-----1,2-Dichloroethane	5	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	5	U
56-23-5	-----Carbon Tetrachloride	5	U
108-05-4	-----Vinyl Acetate	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	11	U
591-78-6	-----2-Hexanone	11	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
1330-20-7	-----Total Xylenes	5	U

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1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0300

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
Matrix: (soil/water) SOIL Lab Sample ID: 432974  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH032974A13  
Level: (low/med) LOW Date Received: 07/25/91  
% Moisture: not dec. 9 Date Analyzed: 07/27/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB03135

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432987  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH032987C13  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 7 Date Analyzed: 07/29/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	11	B
67-64-1	-----Acetone	11	U
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (total)	5	U
67-66-3	-----Chloroform	5	U
107-06-2	-----1,2-Dichloroethane	5	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	5	U
56-23-5	-----Carbon Tetrachloride	5	U
108-05-4	-----Vinyl Acetate	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	11	U
591-78-6	-----2-Hexanone	11	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
1330-20-7	-----Total Xylenes	5	U

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1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB03135

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
Matrix: (soil/water) SOIL Lab Sample ID: 432987  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH032987C13  
Level: (low/med) LOW Date Received: 07/25/91  
% Moisture: not dec. 7 Date Analyzed: 07/29/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0400

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432983  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH032983A13  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 7 Date Analyzed: 07/27/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	15	B
67-64-1	-----Acetone	11	U
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (total)	5	U
67-66-3	-----Chloroform	5	U
107-06-2	-----1,2-Dichloroethane	5	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	5	U
56-23-5	-----Carbon Tetrachloride	5	U
108-05-4	-----Vinyl Acetate	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	11	U
591-78-6	-----2-Hexanone	11	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
1330-20-7	-----Total Xylenes	5	U

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1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

01SB0400
----------

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1

Matrix: (soil/water) SOIL Lab Sample ID: 432983

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH032983A13

Level: (low/med) LOW Date Received: 07/25/91

% Moisture: not dec. 7 Date Analyzed: 07/27/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB04145

Lab Name: COMPUCHEM.RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432990  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH032990C13  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 9 Date Analyzed: 07/29/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	12	B
67-64-1	Acetone	7	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	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	11	U
591-78-6	2-Hexanone	11	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
1330-20-7	Total Xylenes	5	U



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB04145

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
Matrix: (soil/water) SOIL Lab Sample ID: 432990  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH032990C13  
Level: (low/med) LOW Date Received: 07/25/91  
% Moisture: not dec. 9 Date Analyzed: 07/29/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0500

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432985  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH032985A13  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 9 Date Analyzed: 07/27/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	13	B
67-64-1	-----Acetone	10	BJ
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (total)	5	U
67-66-3	-----Chloroform	5	U
107-06-2	-----1,2-Dichloroethane	5	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	5	U
56-23-5	-----Carbon Tetrachloride	5	U
108-05-4	-----Vinyl Acetate	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	11	U
591-78-6	-----2-Hexanone	11	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
1330-20-7	-----Total Xylenes	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0500

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
Matrix: (soil/water) SOIL Lab Sample ID: 432985  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH032985A13  
Level: (low/med) LOW Date Received: 07/25/91  
% Moisture: not dec. 9 Date Analyzed: 07/27/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB05135

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433370  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033370A13  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 5 Date Analyzed: 07/29/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	19	B
67-64-1	-----Acetone	17	
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (total)	5	U
67-66-3	-----Chloroform	5	U
107-06-2	-----1,2-Dichloroethane	5	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	5	U
56-23-5	-----Carbon Tetrachloride	5	U
108-05-4	-----Vinyl Acetate	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	11	U
591-78-6	-----2-Hexanone	11	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
1330-20-7	-----Total Xylenes	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB05135

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
Matrix: (soil/water) SOIL Lab Sample ID: 433370  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033370A13  
Level: (low/med) LOW Date Received: 07/26/91  
% Moisture: not dec. 5 Date Analyzed: 07/29/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM, RTP

Contract: (2-88)-REVS

01SB0600

Lab Code: COMPU

Case No.: 23664

SAS No.: \_\_\_\_\_

SDG No.: 1

Matrix: (soil/water) SOIL

Lab Sample ID: 433376

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: GH033376C13

Level: (low/med) LOW

Date Received: 07/26/91

% Moisture: not dec. 8

Date Analyzed: 07/30/91

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	21	B
67-64-1	Acetone	12	B
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	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	11	U
591-78-6	2-Hexanone	11	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
1330-20-7	Total Xylenes	5	U

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1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0600

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433376  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033376C13  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 Date Analyzed: 07/30/91  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0613

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433378  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033378A13  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 12 Date Analyzed: 07/29/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	16	B
67-64-1	-----Acetone	23	
75-15-0	-----Carbon Disulfide	6	U
75-35-4	-----1,1-Dichloroethene	6	U
75-34-3	-----1,1-Dichloroethane	6	U
540-59-0	-----1,2-Dichloroethene (total)	6	U
67-66-3	-----Chloroform	6	U
107-06-2	-----1,2-Dichloroethane	6	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	6	U
56-23-5	-----Carbon Tetrachloride	6	U
108-05-4	-----Vinyl Acetate	6	U
75-27-4	-----Bromodichloromethane	6	U
78-87-5	-----1,2-Dichloropropane	6	U
10061-01-5	-----cis-1,3-Dichloropropene	6	U
79-01-6	-----Trichloroethene	6	U
124-48-1	-----Dibromochloromethane	6	U
79-00-5	-----1,1,2-Trichloroethane	6	U
71-43-2	-----Benzene	6	U
10061-02-6	-----Trans-1,3-Dichloropropene	6	U
75-25-2	-----Bromoform	6	U
108-10-1	-----4-Methyl-2-Pentanone	11	U
591-78-6	-----2-Hexanone	11	U
127-18-4	-----Tetrachloroethene	6	U
79-34-5	-----1,1,2,2-Tetrachloroethane	6	U
108-88-3	-----Toluene	6	U
108-90-7	-----Chlorobenzene	6	U
100-41-4	-----Ethylbenzene	6	U
100-42-5	-----Styrene	6	U
1330-20-7	-----Total Xylenes	6	U

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1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0613

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433378  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033378A13  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 12 Date Analyzed: 07/29/91  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0700

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433380  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR033380C18  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 4 Date Analyzed: 07/31/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	24	B
67-64-1	Acetone	14	B
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	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
108-05-4	Vinyl Acetate	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
1330-20-7	Total Xylenes	5	U

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1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

01SB0700

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433380  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR033380C18  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 4 Date Analyzed: 07/31/91  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0713

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433382  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033382C13  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 11 Date Analyzed: 07/30/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3-----	Chloromethane	11	U
74-83-9-----	Bromomethane	11	U
75-01-4-----	Vinyl Chloride	11	U
75-00-3-----	Chloroethane	11	U
75-09-2-----	Methylene Chloride	23	B
67-64-1-----	Acetone	11	BJ
75-15-0-----	Carbon Disulfide	6	U
75-35-4-----	1,1-Dichloroethene	6	U
75-34-3-----	1,1-Dichloroethane	6	U
540-59-0-----	1,2-Dichloroethene (total)	6	U
67-66-3-----	Chloroform	6	U
107-06-2-----	1,2-Dichloroethane	6	U
78-93-3-----	2-Butanone	11	U
71-55-6-----	1,1,1-Trichloroethane	6	U
56-23-5-----	Carbon Tetrachloride	6	U
108-05-4-----	Vinyl Acetate	6	U
75-27-4-----	Bromodichloromethane	6	U
78-87-5-----	1,2-Dichloropropane	6	U
10061-01-5-----	cis-1,3-Dichloropropene	6	U
79-01-6-----	Trichloroethene	6	U
124-48-1-----	Dibromochloromethane	6	U
79-00-5-----	1,1,2-Trichloroethane	6	U
71-43-2-----	Benzene	6	U
10061-02-6-----	Trans-1,3-Dichloropropene	6	U
75-25-2-----	Bromoform	6	U
108-10-1-----	4-Methyl-2-Pentanone	11	U
591-78-6-----	2-Hexanone	11	U
127-18-4-----	Tetrachloroethene	6	U
79-34-5-----	1,1,2,2-Tetrachloroethane	6	U
108-88-3-----	Toluene	6	U
108-90-7-----	Chlorobenzene	6	U
100-41-4-----	Ethylbenzene	6	U
100-42-5-----	Styrene	6	U
1330-20-7-----	Total Xylenes	6	U

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1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0713

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433382  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033382C13  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 11 Date Analyzed: 07/30/91  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0800

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433385  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033385C13  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 19 Date Analyzed: 07/30/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	12	U
74-83-9	-----Bromomethane	12	U
75-01-4	-----Vinyl Chloride	12	U
75-00-3	-----Chloroethane	12	U
75-09-2	-----Methylene Chloride	26	B
67-64-1	-----Acetone	12	U
75-15-0	-----Carbon Disulfide	6	U
75-35-4	-----1,1-Dichloroethene	6	U
75-34-3	-----1,1-Dichloroethane	6	U
540-59-0	-----1,2-Dichloroethene (total)	6	U
67-66-3	-----Chloroform	6	U
107-06-2	-----1,2-Dichloroethane	6	U
78-93-3	-----2-Butanone	12	U
71-55-6	-----1,1,1-Trichloroethane	6	U
56-23-5	-----Carbon Tetrachloride	6	U
108-05-4	-----Vinyl Acetate	6	U
75-27-4	-----Bromodichloromethane	6	U
78-87-5	-----1,2-Dichloropropane	6	U
10061-01-5	-----cis-1,3-Dichloropropene	6	U
79-01-6	-----Trichloroethene	6	U
124-48-1	-----Dibromochloromethane	6	U
79-00-5	-----1,1,2-Trichloroethane	6	U
71-43-2	-----Benzene	6	U
10061-02-6	-----Trans-1,3-Dichloropropene	6	U
75-25-2	-----Bromoform	6	U
108-10-1	-----4-Methyl-2-Pentanone	12	U
591-78-6	-----2-Hexanone	12	U
127-18-4	-----Tetrachloroethene	6	U
79-34-5	-----1,1,2,2-Tetrachloroethane	6	U
108-88-3	-----Toluene	6	U
108-90-7	-----Chlorobenzene	6	U
100-41-4	-----Ethylbenzene	6	U
100-42-5	-----Styrene	6	U
1330-20-7	-----Total Xylenes	6	U

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1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0800

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
Matrix: (soil/water) SOIL Lab Sample ID: 433385  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033385C13  
Level: (low/med) LOW Date Received: 07/26/91  
% Moisture: not dec. 19 Date Analyzed: 07/30/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0813

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433395  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033395C13  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 10 Date Analyzed: 07/30/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	45	B
67-64-1	-----Acetone	14	B
75-15-0	-----Carbon Disulfide	6	U
75-35-4	-----1,1-Dichloroethene	6	U
75-34-3	-----1,1-Dichloroethane	6	U
540-59-0	-----1,2-Dichloroethene (total)	6	U
67-66-3	-----Chloroform	6	U
107-06-2	-----1,2-Dichloroethane	6	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	6	U
56-23-5	-----Carbon Tetrachloride	6	U
108-05-4	-----Vinyl Acetate	6	U
75-27-4	-----Bromodichloromethane	6	U
78-87-5	-----1,2-Dichloropropane	6	U
10061-01-5	-----cis-1,3-Dichloropropene	6	U
79-01-6	-----Trichloroethene	6	U
124-48-1	-----Dibromochloromethane	6	U
79-00-5	-----1,1,2-Trichloroethane	6	U
71-43-2	-----Benzene	6	U
10061-02-6	-----Trans-1,3-Dichloropropene	6	U
75-25-2	-----Bromoform	6	U
108-10-1	-----4-Methyl-2-Pentanone	11	U
591-78-6	-----2-Hexanone	11	U
127-18-4	-----Tetrachloroethene	6	U
79-34-5	-----1,1,2,2-Tetrachloroethane	6	U
108-88-3	-----Toluene	6	U
108-90-7	-----Chlorobenzene	6	U
100-41-4	-----Ethylbenzene	6	U
100-42-5	-----Styrene	6	U
1330-20-7	-----Total Xylenes	6	U

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1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0813

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
Matrix: (soil/water) SOIL Lab Sample ID: 433395  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033395C13  
Level: (low/med) LOW Date Received: 07/26/91  
% Moisture: not dec. 10 Date Analyzed: 07/30/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0900

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433397  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033397A13  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 4 Date Analyzed: 07/30/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	31	B
67-64-1	-----Acetone	14	B
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (total)	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
108-05-4	-----Vinyl Acetate	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
1330-20-7	-----Total Xylenes	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0900

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
Matrix: (soil/water) SOIL Lab Sample ID: 433397  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033397A13  
Level: (low/med) LOW Date Received: 07/26/91  
& Moisture: not dec. 4 Date Analyzed: 07/30/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0913

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433399  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033399A13  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 Date Analyzed: 07/30/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	28	B
67-64-1	Acetone	16	B
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	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	11	U
591-78-6	2-Hexanone	11	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
1330-20-7	Total Xylenes	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0913

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
Matrix: (soil/water) SOIL Lab Sample ID: 433399  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033399A13  
Level: (low/med) LOW Date Received: 07/26/91  
% Moisture: not dec. 8 Date Analyzed: 07/30/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1300

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433400  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033400A13  
 Level: (low/med) LOW Date Received: 07/26/91  
 ‡ Moisture: not dec. 10 Date Analyzed: 07/30/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	26	B
67-64-1	-----Acetone	11	BJ
75-15-0	-----Carbon Disulfide	6	U
75-35-4	-----1,1-Dichloroethene	6	U
75-34-3	-----1,1-Dichloroethane	6	U
540-59-0	-----1,2-Dichloroethene (total)	6	U
67-66-3	-----Chloroform	6	U
107-06-2	-----1,2-Dichloroethane	6	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	6	U
56-23-5	-----Carbon Tetrachloride	6	U
108-05-4	-----Vinyl Acetate	6	U
75-27-4	-----Bromodichloromethane	6	U
78-87-5	-----1,2-Dichloropropane	6	U
10061-01-5	-----cis-1,3-Dichloropropene	6	U
79-01-6	-----Trichloroethene	6	U
124-48-1	-----Dibromochloromethane	6	U
79-00-5	-----1,1,2-Trichloroethane	6	U
71-43-2	-----Benzene	6	U
10061-02-6	-----Trans-1,3-Dichloropropene	6	U
75-25-2	-----Bromoform	6	U
108-10-1	-----4-Methyl-2-Pentanone	11	U
591-78-6	-----2-Hexanone	11	U
127-18-4	-----Tetrachloroethene	6	U
79-34-5	-----1,1,2,2-Tetrachloroethane	6	U
108-88-3	-----Toluene	6	U
108-90-7	-----Chlorobenzene	6	U
100-41-4	-----Ethylbenzene	6	U
100-42-5	-----Styrene	6	U
1330-20-7	-----Total Xylenes	6	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1300

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433400  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033400A13  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 10 Date Analyzed: 07/30/91  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1316

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433403  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033403A13  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 Date Analyzed: 07/29/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	10	B
67-64-1	Acetone	20	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	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	11	U
591-78-6	2-Hexanone	11	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
1330-20-7	Total Xylenes	5	U

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1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1316

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433403  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033403A13  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 Date Analyzed: 07/29/91  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0100MS

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432971  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH032971A13  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 10 Date Analyzed: 07/27/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	12	B
67-64-1	-----Acetone	11	U
75-15-0	-----Carbon Disulfide	6	U
75-35-4	-----1,1-Dichloroethene	6	U
75-34-3	-----1,1-Dichloroethane	6	U
540-59-0	-----1,2-Dichloroethene (total)	6	U
67-66-3	-----Chloroform	6	U
107-06-2	-----1,2-Dichloroethane	6	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	6	U
56-23-5	-----Carbon Tetrachloride	6	U
108-05-4	-----Vinyl Acetate	6	U
75-27-4	-----Bromodichloromethane	6	U
78-87-5	-----1,2-Dichloropropane	6	U
10061-01-5	-----cis-1,3-Dichloropropene	6	U
79-01-6	-----Trichloroethene	6	U
124-48-1	-----Dibromochloromethane	6	U
79-00-5	-----1,1,2-Trichloroethane	6	U
71-43-2	-----Benzene	6	U
10061-02-6	-----Trans-1,3-Dichloropropene	6	U
75-25-2	-----Bromoform	6	U
108-10-1	-----4-Methyl-2-Pentanone	11	U
591-78-6	-----2-Hexanone	11	U
127-18-4	-----Tetrachloroethene	6	U
79-34-5	-----1,1,2,2-Tetrachloroethane	6	U
108-88-3	-----Toluene	6	U
108-90-7	-----Chlorobenzene	6	U
100-41-4	-----Ethylbenzene	6	U
100-42-5	-----Styrene	6	U
1330-20-7	-----Total Xylenes	6	U

FORM I VOA

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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0100MSD

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432972  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH032972A13  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 10 Date Analyzed: 07/27/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	12	B
67-64-1	Acetone	9	BJ
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	6	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Total Xylenes	6	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0100

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432969  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032969A20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl) Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
100-51-6	Benzyl Alcohol	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
39638-32-9	Bis(2-Chloroethyl) Ether	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy)Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0100

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432969  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032969A20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2-----	3-Nitroaniline	1800	U
83-32-9-----	Acenaphthene	370	U
51-28-5-----	2,4-Dinitrophenol	1800	U
100-02-7-----	4-Nitrophenol	1800	U
132-64-9-----	Dibenzofuran	370	U
121-14-2-----	2,4-Dinitrotoluene	370	U
84-66-2-----	Diethylphthalate	370	U
7005-72-3-----	4-Chlorophenyl-phenylether	370	U
86-73-7-----	Fluorene	370	U
100-01-6-----	4-Nitroaniline	1800	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	370	U
101-55-3-----	4-Bromophenyl-phenylether	370	U
118-74-1-----	Hexachlorobenzene	370	U
87-86-5-----	Pentachlorophenol	1800	U
85-01-8-----	Phenanthrene	370	U
120-12-7-----	Anthracene	370	U
84-74-2-----	Di-n-Butylphthalate	370	U
206-44-0-----	Fluoranthene	370	U
129-00-0-----	Pyrene	370	U
85-68-7-----	Butylbenzylphthalate	370	U
91-94-1-----	3,3'-Dichlorobenzidine	730	U
56-55-3-----	Benzo(a)Anthracene	370	U
218-01-9-----	Chrysene	370	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	370	U
117-84-0-----	Di-n-Octyl Phthalate	370	U
205-99-2-----	Benzo(b)Fluoranthene	370	U
207-08-9-----	Benzo(k)Fluoranthene	370	U
50-32-8-----	Benzo(a)Pyrene	370	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	370	U
53-70-3-----	Dibenzo(a,h)Anthracene	370	U
191-24-2-----	Benzo(g,h,i)Perylene	370	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0100

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432969  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032969A20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.2 Dilution Factor: 1.00

Number TICs found: 9

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.05	480	BJ
2.	SOLVENT CONTAMINANT	5.13	330	BJ
3.	UNKNOWN	5.95	300	J
4.	ALDOL	6.15	480	AJ
5.	ALDOL	6.62	440	AJ
6.	UNKNOWN	7.27	260	J
7.	UNKNOWN	19.05	150	J
8.	UNKNOWN	21.25	590	J
9.	UNKNOWN	25.09	740	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0114

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432992  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032992B20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 11 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl) Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
100-51-6	Benzyl Alcohol	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
39638-32-9	Bis(2-Chloroethyl) Ether	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy)Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U

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1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0114

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432992  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032992B20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 11 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.00

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl) Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
100-51-6	Benzyl Alcohol	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
39638-32-9	Bis(2-Chloroethyl) Ether	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy) Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U

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1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0114

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432992  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032992B20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 11 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2-----	3-Nitroaniline	1800	U
83-32-9-----	Acenaphthene	370	U
51-28-5-----	2,4-Dinitrophenol	1800	U
100-02-7-----	4-Nitrophenol	1800	U
132-64-9-----	Dibenzofuran	370	U
121-14-2-----	2,4-Dinitrotoluene	370	U
84-66-2-----	Diethylphthalate	370	U
7005-72-3-----	4-Chlorophenyl-phenylether	370	U
86-73-7-----	Fluorene	370	U
100-01-6-----	4-Nitroaniline	1800	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	370	U
101-55-3-----	4-Bromophenyl-phenylether	370	U
118-74-1-----	Hexachlorobenzene	370	U
87-86-5-----	Pentachlorophenol	1800	U
85-01-8-----	Phenanthrene	370	U
120-12-7-----	Anthracene	370	U
84-74-2-----	Di-n-Butylphthalate	370	U
206-44-0-----	Fluoranthene	370	U
129-00-0-----	Pyrene	370	U
85-68-7-----	Butylbenzylphthalate	370	U
91-94-1-----	3,3'-Dichlorobenzidine	740	U
56-55-3-----	Benzo(a)Anthracene	370	U
218-01-9-----	Chrysene	370	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	370	U
117-84-0-----	Di-n-Octyl Phthalate	370	U
205-99-2-----	Benzo(b)Fluoranthene	370	U
207-08-9-----	Benzo(k)Fluoranthene	370	U
50-32-8-----	Benzo(a)Pyrene	370	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	370	U
53-70-3-----	Dibenzo(a,h)Anthracene	370	U
191-24-2-----	Benzo(g,h,i)Perylene	370	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0114

Lab Name: COMPUCHEM.RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432992  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032992B20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 11 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.00

Number TICs found: 2

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	.RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.08	410	BJ
2.	SOLVENT CONTAMINANT	5.18	340	BJ

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1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0200

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432970  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032970A20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 6.1 Dilution Factor: 1.00

CONCENTRATION UNITS:

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

108-95-2-----Phenol	360	U
111-44-4-----bis(2-Chloroethyl) Ether	360	U
95-57-8-----2-Chlorophenol	360	U
541-73-1-----1,3-Dichlorobenzene	360	U
106-46-7-----1,4-Dichlorobenzene	360	U
100-51-6-----Benzyl Alcohol	360	U
95-50-1-----1,2-Dichlorobenzene	360	U
95-48-7-----2-Methylphenol	360	U
39638-32-9-----Bis(2-Chloroethyl) Ether	360	U
106-44-5-----4-Methylphenol	360	U
621-64-7-----N-Nitroso-Di-n-Propylamine	360	U
67-72-1-----Hexachloroethane	360	U
98-95-3-----Nitrobenzene	360	U
78-59-1-----Isophorone	360	U
88-75-5-----2-Nitrophenol	360	U
105-67-9-----2,4-Dimethylphenol	360	U
65-85-0-----Benzoic Acid	1700	U
111-91-1-----bis(2-Chloroethoxy)Methane	360	U
120-83-2-----2,4-Dichlorophenol	360	U
120-82-1-----1,2,4-Trichlorobenzene	360	U
91-20-3-----Naphthalene	360	U
106-47-8-----4-Chloroaniline	360	U
87-68-3-----Hexachlorobutadiene	360	U
59-50-7-----4-Chloro-3-Methylphenol	360	U
91-57-6-----2-Methylnaphthalene	360	U
77-47-4-----Hexachlorocyclopentadiene	360	U
88-06-2-----2,4,6-Trichlorophenol	360	U
95-95-4-----2,4,5-Trichlorophenol	1700	U
91-58-7-----2-Chloronaphthalene	360	U
88-74-4-----2-Nitroaniline	1700	U
131-11-3-----Dimethyl Phthalate	360	U
208-96-8-----Acenaphthylene	360	U
606-20-2-----2,6-Dinitrotoluene	360	U

FORM I SV-1

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1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0200

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432970  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032970A20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 6.1 Dilution Factor: 1.00

CONCENTRATION UNITS:

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

99-09-2-----3-Nitroaniline	1700	U
83-32-9-----Acenaphthene	360	U
51-28-5-----2,4-Dinitrophenol	1700	U
100-02-7-----4-Nitrophenol	1700	U
132-64-9-----Dibenzofuran	360	U
121-14-2-----2,4-Dinitrotoluene	360	U
84-66-2-----Diethylphthalate	360	U
7005-72-3-----4-Chlorophenyl-phenylether	360	U
86-73-7-----Fluorene	360	U
100-01-6-----4-Nitroaniline	1700	U
534-52-1-----4,6-Dinitro-2-Methylphenol	1700	U
86-30-6-----N-Nitrosodiphenylamine (1)	360	U
101-55-3-----4-Bromophenyl-phenylether	360	U
118-74-1-----Hexachlorobenzene	360	U
87-86-5-----Pentachlorophenol	1700	U
85-01-8-----Phenanthrene	360	U
120-12-7-----Anthracene	360	U
84-74-2-----Di-n-Butylphthalate	360	U
206-44-0-----Fluoranthene	360	U
129-00-0-----Pyrene	360	U
85-68-7-----Butylbenzylphthalate	360	U
91-94-1-----3,3'-Dichlorobenzidine	720	U
56-55-3-----Benzo(a)Anthracene	360	U
218-01-9-----Chrysene	360	U
117-81-7-----bis(2-Ethylhexyl) Phthalate	360	U
117-84-0-----Di-n-Octyl Phthalate	360	U
205-99-2-----Benzo(b) Fluoranthene	360	U
207-08-9-----Benzo(k) Fluoranthene	360	U
50-32-8-----Benzo(a) Pyrene	360	U
193-39-5-----Indeno(1,2,3-cd) Pyrene	360	U
53-70-3-----Dibenzo(a,h) Anthracene	360	U
191-24-2-----Benzo(g,h,i) Perylene	360	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0200

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432970  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032970A20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 6.1 Dilution Factor: 1.00

Number TICs found: 5

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKENE	5.12	400	BJ
2.	UNKNOWN ALKENE	5.20	290	BJ
3.	UNKNOWN	6.02	690	J
4.	ALDOL	6.23	140	BAJ
5.	ALDOL	7.35	250	AJ

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0214

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432991  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032991B20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl) Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
100-51-6	Benzyl Alcohol	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
39638-32-9	Bis(2-Chloroethyl) Ether	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-Di-n-Propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
65-85-0	Benzoic Acid	1700	U
111-91-1	bis(2-Chloroethoxy) Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethyl Phthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0214

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432991  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032991B20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 0.50

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	360	U
51-28-5	2,4-Dinitrophenol	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-Methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
84-74-2	Di-n-Butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	720	U
56-55-3	Benzo(a)Anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)Phthalate	260	J
117-84-0	Di-n-Octyl Phthalate	360	U
205-99-2	Benzo(b)Fluoranthene	360	U
207-08-9	Benzo(k)Fluoranthene	360	U
50-32-8	Benzo(a)Pyrene	360	U
193-39-5	Indeno(1,2,3-cd)Pyrene	360	U
53-70-3	Dibenzo(a,h)Anthracene	360	U
191-24-2	Benzo(g,h,i)Perylene	360	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0214

Lab Name: COMPUCHEM RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432991  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032991B20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 0.50

Number TICs found: 2 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	.RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.12	400	BJ
2.	SOLVENT CONTAMINANT	5.20	330	BJ



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0300

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432974  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032974A20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.3 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl) Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
100-51-6	Benzyl Alcohol	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
39638-32-9	Bis(2-Chloroethyl) Ether	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-Di-n-Propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy)Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0300

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1

Matrix: (soil/water) SOIL Lab Sample ID: 432974

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032974A20

Level: (low/med) LOW Date Received: 07/25/91

% Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91

GPC Cleanup: (Y/N) N pH: 5.3 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2-----	3-Nitroaniline	1800	U
83-32-9-----	Acenaphthene	360	U
51-28-5-----	2,4-Dinitrophenol	1800	U
100-02-7-----	4-Nitrophenol	1800	U
132-64-9-----	Dibenzofuran	360	U
121-14-2-----	2,4-Dinitrotoluene	360	U
84-66-2-----	Diethylphthalate	360	U
7005-72-3-----	4-Chlorophenyl-phenylether	360	U
86-73-7-----	Fluorene	360	U
100-01-6-----	4-Nitroaniline	1800	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	360	U
101-55-3-----	4-Bromophenyl-phenylether	360	U
118-74-1-----	Hexachlorobenzene	360	U
87-86-5-----	Pentachlorophenol	1800	U
85-01-8-----	Phenanthrene	360	U
120-12-7-----	Anthracene	360	U
84-74-2-----	Di-n-Butylphthalate	360	U
206-44-0-----	Fluoranthene	360	U
129-00-0-----	Pyrene	360	U
85-68-7-----	Butylbenzylphthalate	360	U
91-94-1-----	3,3'-Dichlorobenzidine	730	U
56-55-3-----	Benzo(a)Anthracene	360	U
218-01-9-----	Chrysene	360	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	110	J
117-84-0-----	Di-n-Octyl Phthalate	360	U
205-99-2-----	Benzo(b)Fluoranthene	360	U
207-08-9-----	Benzo(k)Fluoranthene	360	U
50-32-8-----	Benzo(a)Pyrene	360	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	360	U
53-70-3-----	Dibenzo(a,h)Anthracene	360	U
191-24-2-----	Benzo(g,h,i)Perylene	360	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0300

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432974  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032974A20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.3 Dilution Factor: 1.00

Number TICs found: 9 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.12	480	BJ
2.	SOLVENT CONTAMINANT	5.22	370	BJ
3.	UNKNOWN	6.02	440	J
4.	ALDOL	6.23	370	AJ
5.	ALDOL	6.70	480	AJ
6.	UNKNOWN	7.35	290	J
7.	UNKNOWN	19.10	150	J
8.	UNKNOWN	24.17	290	J
9.	UNKNOWN	25.29	370	J

FORM I SV-TIC

1/87 Rev.

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB03135

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432987  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032987B20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 7 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl) Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
100-51-6	Benzyl Alcohol	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
39638-32-9	Bis(2-Chloroethyl) Ether	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
65-85-0	Benzoic Acid	1700	U
111-91-1	bis(2-Chloroethoxy) Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethyl Phthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB03135

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432987  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032987B20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 7 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	350	U
51-28-5	2,4-Dinitrophenol	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-Methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
84-74-2	Di-n-Butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	710	U
56-55-3	Benzo(a) Anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl) Phthalate	120	J
117-84-0	Di-n-Octyl Phthalate	350	U
205-99-2	Benzo(b) Fluoranthene	350	U
207-08-9	Benzo(k) Fluoranthene	350	U
50-32-8	Benzo(a) Pyrene	350	U
193-39-5	Indeno(1,2,3-cd) Pyrene	350	U
53-70-3	Dibenzo(a,h) Anthracene	350	U
191-24-2	Benzo(g,h,i) Perylene	350	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB03135

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432987  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032987B20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 7 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.3 Dilution Factor: 1.00

Number TICs found: 6

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.08	290	BJ
2.	SOLVENT CONTAMINANT	5.18	290	BJ
3.	ALDOL	6.20	210	AJ
4.	ALDOL	6.67	140	AJ
5.	UNKNOWN	7.32	140	J
6.	UNKNOWN	21.30	790	J

FORM I SV-TIC

1/87 Rev.

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0400

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432983  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032983B20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 7 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 6.5 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl) Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
100-51-6	Benzyl Alcohol	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
39638-32-9	Bis(2-Chloroethyl) Ether	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
65-85-0	Benzoic Acid	1700	U
111-91-1	bis(2-Chloroethoxy)Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethyl Phthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0400

Lab Name: COMPUCHEM.RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432983  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032983B20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 7 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 6.5 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	350	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	79	J
132-64-9-----	Dibenzofuran	350	U
121-14-2-----	2,4-Dinitrotoluene	350	U
84-66-2-----	Diethylphthalate	350	U
7005-72-3-----	4-Chlorophenyl-phenylether	350	U
86-73-7-----	Fluorene	350	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	350	U
101-55-3-----	4-Bromophenyl-phenylether	350	U
118-74-1-----	Hexachlorobenzene	350	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	350	U
120-12-7-----	Anthracene	350	U
84-74-2-----	Di-n-Butylphthalate	350	U
206-44-0-----	Fluoranthene	350	U
129-00-0-----	Pyrene	350	U
85-68-7-----	Butylbenzylphthalate	350	U
91-94-1-----	3,3'-Dichlorobenzidine	710	U
56-55-3-----	Benzo(a)Anthracene	350	U
218-01-9-----	Chrysene	350	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	160	J
117-84-0-----	Di-n-Octyl Phthalate	350	U
205-99-2-----	Benzo(b)Fluoranthene	350	U
207-08-9-----	Benzo(k)Fluoranthene	350	U
50-32-8-----	Benzo(a)Pyrene	350	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	350	U
53-70-3-----	Dibenzo(a,h)Anthracene	350	U
191-24-2-----	Benzo(g,h,i)Perylene	350	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0400

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432983  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032983B20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 7 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 6.5 Dilution Factor: 1.00

Number TICs found: 10

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.08	470	BJ
2.	SOLVENT CONTAMINANT	5.18	360	BJ
3.	UNKNOWN	5.97	390	J
4.	ALDOL	6.20	360	AJ
5.	ALDOL	6.67	140	AJ
6.	UNKNOWN	7.32	470	J
7.	UNKNOWN	16.80	540	J
8.	UNKNOWN	17.15	140	J
9.	UNKNOWN	24.85	640	J
10.	UNKNOWN	25.26	390	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB04145

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432990  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032990B20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.1 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl) Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
100-51-6	Benzyl Alcohol	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
39638-32-9	Bis(2-Chloroethyl) Ether	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-Di-n-Propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy) Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB04145

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432990  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032990B20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.1 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	360	U
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
84-74-2	Di-n-Butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	730	U
56-55-3	Benzo(a)Anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl) Phthalate	210	J
117-84-0	Di-n-Octyl Phthalate	360	U
205-99-2	Benzo(b)Fluoranthene	360	U
207-08-9	Benzo(k)Fluoranthene	360	U
50-32-8	Benzo(a)Pyrene	360	U
193-39-5	Indeno(1,2,3-cd)Pyrene	360	U
53-70-3	Dibenzo(a,h)Anthracene	360	U
191-24-2	Benzo(g,h,i)Perylene	360	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB04145

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432990  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032990B20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.1 Dilution Factor: 1.00

Number TICs found: 5

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.07	440	BJ
2.	SOLVENT CONTAMINANT	5.13	370	BJ
3.	UNKNOWN	16.12	370	J
4.	UNKNOWN	16.50	770	J
5.	UNKNOWN	23.94	620	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0500

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432985  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032985B20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

108-95-2-----Phenol	360	U
111-44-4-----bis(2-Chloroethyl)Ether	360	U
95-57-8-----2-Chlorophenol	360	U
541-73-1-----1,3-Dichlorobenzene	360	U
106-46-7-----1,4-Dichlorobenzene	360	U
100-51-6-----Benzyl Alcohol	360	U
95-50-1-----1,2-Dichlorobenzene	360	U
95-48-7-----2-Methylphenol	360	U
39638-32-9-----Bis(2-Chloroethyl)Ether	360	U
106-44-5-----4-Methylphenol	360	U
621-64-7-----N-Nitroso-Di-n-Propylamine	360	U
67-72-1-----Hexachloroethane	360	U
98-95-3-----Nitrobenzene	360	U
78-59-1-----Isophorone	360	U
88-75-5-----2-Nitrophenol	360	U
105-67-9-----2,4-Dimethylphenol	360	U
65-85-0-----Benzoic Acid	1800	U
111-91-1-----bis(2-Chloroethoxy)Methane	360	U
120-83-2-----2,4-Dichlorophenol	360	U
120-82-1-----1,2,4-Trichlorobenzene	360	U
91-20-3-----Naphthalene	360	U
106-47-8-----4-Chloroaniline	360	U
87-68-3-----Hexachlorobutadiene	360	U
59-50-7-----4-Chloro-3-Methylphenol	360	U
91-57-6-----2-Methylnaphthalene	360	U
77-47-4-----Hexachlorocyclopentadiene	360	U
88-06-2-----2,4,6-Trichlorophenol	360	U
95-95-4-----2,4,5-Trichlorophenol	1800	U
91-58-7-----2-Chloronaphthalene	360	U
88-74-4-----2-Nitroaniline	1800	U
131-11-3-----Dimethyl Phthalate	360	U
208-96-8-----Acenaphthylene	360	U
606-20-2-----2,6-Dinitrotoluene	360	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0500

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432985  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032985B20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2-----	3-Nitroaniline	1800	U
83-32-9-----	Acenaphthene	360	U
51-28-5-----	2,4-Dinitrophenol	1800	U
100-02-7-----	4-Nitrophenol	1800	U
132-64-9-----	Dibenzofuran	360	U
121-14-2-----	2,4-Dinitrotoluene	360	U
84-66-2-----	Diethylphthalate	360	U
7005-72-3-----	4-Chlorophenyl-phenylether	360	U
86-73-7-----	Fluorene	360	U
100-01-6-----	4-Nitroaniline	1800	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	360	U
101-55-3-----	4-Bromophenyl-phenylether	360	U
118-74-1-----	Hexachlorobenzene	360	U
87-86-5-----	Pentachlorophenol	1800	U
85-01-8-----	Phenanthrene	360	U
120-12-7-----	Anthracene	360	U
84-74-2-----	Di-n-Butylphthalate	360	U
206-44-0-----	Fluoranthene	360	U
129-00-0-----	Pyrene	360	U
85-68-7-----	Butylbenzylphthalate	360	U
91-94-1-----	3,3'-Dichlorobenzidine	730	U
56-55-3-----	Benzo(a)Anthracene	360	U
218-01-9-----	Chrysene	360	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	53	J
117-84-0-----	Di-n-Octyl Phthalate	360	U
205-99-2-----	Benzo(b)Fluoranthene	360	U
207-08-9-----	Benzo(k)Fluoranthene	360	U
50-32-8-----	Benzo(a)Pyrene	360	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	360	U
53-70-3-----	Dibenzo(a,h)Anthracene	360	U
191-24-2-----	Benzo(g,h,i)Perylene	360	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0500

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432985  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032985B20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.00

Number TICs found: 5

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.07	400	BJ
2.	SOLVENT CONTAMINANT	5.17	370	BJ
3.	ALDOL	6.18	150	AJ
4.	UNKNOWN	7.30	330	J
5.	UNKNOWN	19.27	1800	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB05135

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433370  
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH033370C20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 5 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl) Ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
100-51-6	Benzyl Alcohol	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
39638-32-9	Bis(2-Chloroethyl) Ether	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-Di-n-Propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
65-85-0	Benzoic Acid	1700	U
111-91-1	bis(2-Chloroethoxy)Methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethyl Phthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB05135

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433370  
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH033370C20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 5 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	340	U
51-28-5	2,4-Dinitrophenol	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	340	U
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-Methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
84-74-2	Di-n-Butylphthalate	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	680	U
56-55-3	Benzo(a)Anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl) Phthalate	180	J
117-84-0	Di-n-Octyl Phthalate	340	U
205-99-2	Benzo(b)Fluoranthene	340	U
207-08-9	Benzo(k)Fluoranthene	340	U
50-32-8	Benzo(a)Pyrene	340	U
193-39-5	Indeno(1,2,3-cd)Pyrene	340	U
53-70-3	Dibenzo(a,h)Anthracene	340	U
191-24-2	Benzo(g,h,i)Perylene	340	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB05135

Lab Name: COMPUCHEM.RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433370  
 Sample wSample wt/vol: 30.5 (g/mL) G Lab File ID: GH033370C  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 5 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.1 Dilution Factor: 1.0

Number TICs found: 3 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.03	480	BJ
2.	SOLVENT CONTAMINANT	5.12	450	BJ
3.	ALDOL	6.13	310	ABJ

FORM I SV-TIC

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1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0600

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433376  
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH033376C20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 6.5 Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl) Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
100-51-6	Benzyl Alcohol	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
39638-32-9	Bis(2-Chloroethyl) Ether	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
65-85-0	Benzoic Acid	1700	U
111-91-1	bis(2-Chloroethoxy) Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethyl Phthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0600

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433376  
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH033376C20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 6.5 Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	350	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	350	U
121-14-2-----	2,4-Dinitrotoluene	350	U
84-66-2-----	Diethylphthalate	350	U
7005-72-3-----	4-Chlorophenyl-phenylether	350	U
86-73-7-----	Fluorene	350	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	350	U
101-55-3-----	4-Bromophenyl-phenylether	350	U
118-74-1-----	Hexachlorobenzene	350	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	350	U
120-12-7-----	Anthracene	350	U
84-74-2-----	Di-n-Butylphthalate	350	U
206-44-0-----	Fluoranthene	350	U
129-00-0-----	Pyrene	350	U
85-68-7-----	Butylbenzylphthalate	350	U
91-94-1-----	3,3'-Dichlorobenzidine	710	U
56-55-3-----	Benzo(a)Anthracene	350	U
218-01-9-----	Chrysene	350	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	350	U
117-84-0-----	Di-n-Octyl Phthalate	350	U
205-99-2-----	Benzo(b)Fluoranthene	350	U
207-08-9-----	Benzo(k)Fluoranthene	350	U
50-32-8-----	Benzo(a)Pyrene	350	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	350	U
53-70-3-----	Dibenzo(a,h)Anthracene	350	U
191-24-2-----	Benzo(g,h,i)Perylene	350	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0600

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433376  
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH033376C20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 6.5 Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	4.95	640	BJ
2.	SOLVENT CONTAMINANT	5.05	460	BJ
3.	ALDOL	6.05	180	ABJ

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0613

Lab Name: COMPUCHEM.RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433378  
 Sample wt/vol: 30.6 (g/mL) G Lab File ID: GH033378C20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 12 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl) Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
100-51-6	Benzyl Alcohol	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
39638-32-9	Bis(2-Chloroethyl) Ether	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy) Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0613

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433378  
 Sample wt/vol: 30.6 (g/mL) G Lab File ID: GH033378C20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 12 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.4 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	370	U
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-Butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	740	U
56-55-3	Benzo(a)Anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)Phthalate	93	J
117-84-0	Di-n-Octyl Phthalate	370	U
205-99-2	Benzo(b)Fluoranthene	370	U
207-08-9	Benzo(k)Fluoranthene	370	U
50-32-8	Benzo(a)Pyrene	370	U
193-39-5	Indeno(1,2,3-cd)Pyrene	370	U
53-70-3	Dibenzo(a,h)Anthracene	370	U
191-24-2	Benzo(g,h,i)Perylene	370	U

(1) - Cannot be separated from Diphenylamine

1F  
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0613

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433378  
 Sample wt/vol: 30.6 (g/mL) G Lab File ID: GH033378C20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 12 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.4 Dilution Factor: 1.00

Number TICs found: 4 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.03	710	BJ
2.	SOLVENT CONTAMINANT	5.12	560	BJ
3.	ALDOL	6.13	370	ABJ
4.	UNKNOWN	19.00	150	J



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0700

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433380  
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: GH033380A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 4 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl) Ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
100-51-6	Benzyl Alcohol	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
39638-32-9	Bis(2-Chloroethyl) Ether	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-Di-n-Propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
65-85-0	Benzoic Acid	1600	U
111-91-1	bis(2-Chloroethoxy) Methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl Phthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0700

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433380  
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: GH033380A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 4 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2-----	3-Nitroaniline	1600	U
83-32-9-----	Acenaphthene	340	U
51-28-5-----	2,4-Dinitrophenol	1600	U
100-02-7-----	4-Nitrophenol	1600	U
132-64-9-----	Dibenzofuran	340	U
121-14-2-----	2,4-Dinitrotoluene	340	U
84-66-2-----	Diethylphthalate	340	U
7005-72-3-----	4-Chlorophenyl-phenylether	340	U
86-73-7-----	Fluorene	340	U
100-01-6-----	4-Nitroaniline	1600	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6-----	N-Nitrosodiphenylamine (1)	340	U
101-55-3-----	4-Bromophenyl-phenylether	340	U
118-74-1-----	Hexachlorobenzene	340	U
87-86-5-----	Pentachlorophenol	1600	U
85-01-8-----	Phenanthrene	340	U
120-12-7-----	Anthracene	340	U
84-74-2-----	Di-n-Butylphthalate	36	J
206-44-0-----	Fluoranthene	340	U
129-00-0-----	Pyrene	340	U
85-68-7-----	Butylbenzylphthalate	340	U
91-94-1-----	3,3'-Dichlorobenzidine	680	U
56-55-3-----	Benzo(a)Anthracene	340	U
218-01-9-----	Chrysene	340	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	120	J
117-84-0-----	Di-n-Octyl Phthalate	340	U
205-99-2-----	Benzo(b) Fluoranthene	340	U
207-08-9-----	Benzo(k) Fluoranthene	340	U
50-32-8-----	Benzo(a) Pyrene	340	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	340	U
53-70-3-----	Dibenzo(a,h) Anthracene	340	U
191-24-2-----	Benzo(g,h,i) Perylene	340	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0700

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433380  
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: GH033380A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 4 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

Number TICs found: 24

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	4.95	760	BJ
2.	SOLVENT CONTAMINANT	5.05	550	BJ
3.	UNKNOWN	5.82	1300	J
4.	ALDOL	6.05	410	ABJ
5.	ALDOL	6.53	410	AJ
6.	UNKNOWN	7.18	620	J
7.	UNKNOWN HYDROCARBON	17.12	340	J
8.	UNKNOWN	17.79	720	J
9.	UNKNOWN HYDROCARBON	17.85	240	J
10.	UNKNOWN	18.17	480	J
11.	UNKNOWN HYDROCARBON	18.37	380	J
12.	UNKNOWN	18.69	480	J
13.	UNKNOWN	18.94	380	J
14.	UNKNOWN	19.07	240	J
15.	UNKNOWN	19.19	340	J
16.	UNKNOWN	19.32	210	J
17.	UNKNOWN	19.49	310	J
18.	UNKNOWN	19.67	240	J
19.	UNKNOWN	19.90	380	J
20.	UNKNOWN	20.62	240	J
21.	UNKNOWN	20.77	480	J
22.	UNKNOWN	21.04	210	J
23.	UNKNOWN	21.54	410	J
24.	UNKNOWN	22.55	340	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0713

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433382  
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH033382A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 11 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.7 Dilution Factor: 1.0

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

108-95-2-----Phenol	360	U
111-44-4-----bis(2-Chloroethyl) Ether	360	U
95-57-8-----2-Chlorophenol	360	U
541-73-1-----1,3-Dichlorobenzene	360	U
106-46-7-----1,4-Dichlorobenzene	360	U
100-51-6-----Benzyl Alcohol	360	U
95-50-1-----1,2-Dichlorobenzene	360	U
95-48-7-----2-Methylphenol	360	U
39638-32-9-----Bis(2-Chloroethyl) Ether	360	U
106-44-5-----4-Methylphenol	360	U
621-64-7-----N-Nitroso-Di-n-Propylamine	360	U
67-72-1-----Hexachloroethane	360	U
98-95-3-----Nitrobenzene	360	U
78-59-1-----Isophorone	360	U
88-75-5-----2-Nitrophenol	360	U
105-67-9-----2,4-Dimethylphenol	360	U
65-85-0-----Benzoic Acid	1800	U
111-91-1-----bis(2-Chloroethoxy)Methane	360	U
120-83-2-----2,4-Dichlorophenol	360	U
120-82-1-----1,2,4-Trichlorobenzene	360	U
91-20-3-----Naphthalene	360	U
106-47-8-----4-Chloroaniline	360	U
87-68-3-----Hexachlorobutadiene	360	U
59-50-7-----4-Chloro-3-Methylphenol	360	U
91-57-6-----2-Methylnaphthalene	360	U
77-47-4-----Hexachlorocyclopentadiene	360	U
88-06-2-----2,4,6-Trichlorophenol	360	U
95-95-4-----2,4,5-Trichlorophenol	1800	U
91-58-7-----2-Chloronaphthalene	360	U
88-74-4-----2-Nitroaniline	1800	U
131-11-3-----Dimethyl Phthalate	360	U
208-96-8-----Acenaphthylene	360	U
606-20-2-----2,6-Dinitrotoluene	360	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0713

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433382  
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH033382A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 11 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.7 Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	360	U
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
84-74-2	Di-n-Butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	730	U
56-55-3	Benzo(a)Anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl) Phthalate	180	J
117-84-0	Di-n-Octyl Phthalate	360	U
205-99-2	Benzo(b) Fluoranthene	360	U
207-08-9	Benzo(k) Fluoranthene	360	U
50-32-8	Benzo(a) Pyrene	360	U
193-39-5	Indeno(1,2,3-cd) Pyrene	360	U
53-70-3	Dibenzo(a,h) Anthracene	360	U
191-24-2	Benzo(g,h,i) Perylene	360	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0713

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433382  
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH033382A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 11 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.7 Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

Number TICs found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.02	660	BJ
2.	SOLVENT CONTAMINANT	5.10	520	BJ
3.	ALDOL	6.12	330	ABJ
4.	UNKNOWN	19.00	550	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0800

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433385  
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH033385A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 19 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl) Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
100-51-6	Benzyl Alcohol	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
39638-32-9	Bis(2-Chloroethyl) Ether	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
65-85-0	Benzoic Acid	1900	U
111-91-1	bis(2-Chloroethoxy) Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1900	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethyl Phthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0800

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433385  
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH033385A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 19 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2-----	3-Nitroaniline	1900	U
83-32-9-----	Acenaphthene	400	U
51-28-5-----	2,4-Dinitrophenol	1900	U
100-02-7-----	4-Nitrophenol	1900	U
132-64-9-----	Dibenzofuran	400	U
121-14-2-----	2,4-Dinitrotoluene	400	U
84-66-2-----	Diethylphthalate	400	U
7005-72-3-----	4-Chlorophenyl-phenylether	400	U
86-73-7-----	Fluorene	400	U
100-01-6-----	4-Nitroaniline	1900	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1900	U
86-30-6-----	N-Nitrosodiphenylamine (1)	400	U
101-55-3-----	4-Bromophenyl-phenylether	400	U
118-74-1-----	Hexachlorobenzene	400	U
87-86-5-----	Pentachlorophenol	1900	U
85-01-8-----	Phenanthrene	400	U
120-12-7-----	Anthracene	400	U
84-74-2-----	Di-n-Butylphthalate	60	J
206-44-0-----	Fluoranthene	400	U
129-00-0-----	Pyrene	400	U
85-68-7-----	Butylbenzylphthalate	400	U
91-94-1-----	3,3'-Dichlorobenzidine	800	U
56-55-3-----	Benzo(a)Anthracene	400	U
218-01-9-----	Chrysene	400	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	130	J
117-84-0-----	Di-n-Octyl Phthalate	400	U
205-99-2-----	Benzo(b) Fluoranthene	400	U
207-08-9-----	Benzo(k) Fluoranthene	400	U
50-32-8-----	Benzo(a) Pyrene	400	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	400	U
53-70-3-----	Dibenzo(a,h) Anthracene	400	U
191-24-2-----	Benzo(g,h,i) Perylene	400	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0800

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433385  
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH033385A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 19 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.0

Number TICs found: 12 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.02	690	BJ
2.	SOLVENT CONTAMINANT	5.08	530	BJ
3.	UNKNOWN	5.87	1400	J
4.	ALDOL	6.12	530	ABJ
5.	ALDOL	6.60	570	J
6.	UNKNOWN	7.27	850	J
7.	UNKNOWN HYDROCARBON	11.87	200	J
8.	UNKNOWN HYDROCARBON	12.57	570	J
9.	UNKNOWN HYDROCARBON	13.25	240	J
10.	UNKNOWN HYDROCARBON	13.32	160	J
11.	UNKNOWN HYDROCARBON	13.90	240	J
12.	UNKNOWN	19.05	320	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0813

Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433395  
 Sample wt/vol: 30.6 (g/mL) G Lab File ID: GH033395A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 SPC Cleanup: (Y/N) N pH: 5.3 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl) Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
100-51-6	Benzyl Alcohol	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
39638-32-9	Bis(2-Chloroethyl) Ether	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-Di-n-Propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
65-85-0	Benzoic Acid	1700	U
111-91-1	bis(2-Chloroethoxy)Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	1700	U
95-95-4	2,4,5-Trichlorophenol	360	U
91-58-7	2-Chloronaphthalene	1700	U
88-74-4	2-Nitroaniline	360	U
131-11-3	Dimethyl Phthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0813

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433395  
 Sample wt/vol: 30.6 (g/mL) G Lab File ID: GH033395A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	360	U
51-28-5	2,4-Dinitrophenol	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-Methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
84-74-2	Di-n-Butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	720	U
56-55-3	Benzo(a)Anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)Phthalate	81	J
117-84-0	Di-n-Octyl Phthalate	360	U
205-99-2	Benzo(b)Fluoranthene	360	U
207-08-9	Benzo(k)Fluoranthene	360	U
50-32-8	Benzo(a)Pyrene	360	U
193-39-5	Indeno(1,2,3-cd)Pyrene	360	U
53-70-3	Dibenzo(a,h)Anthracene	360	U
191-24-2	Benzo(g,h,i)Perylene	360	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0813

Lab Name: COMPUCHEM RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433395  
 Sample wt/vol: 30.6 (g/mL) G Lab File ID: GH033395A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.3 Dilution Factor: 1.00

Number TICs found: 3

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.05	760	BJ
2.	SOLVENT CONTAMINANT	5.13	540	BJ
3.	ALDOL	6.13	290	ABJ

FORM I SV-TIC

1/87 Rev.

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0900

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433397  
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH033397A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 4 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl) Ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
100-51-6	Benzyl Alcohol	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
39638-32-9	Bis(2-Chloroethyl) Ether	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-Di-n-Propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
65-85-0	Benzoic Acid	1600	U
111-91-1	bis(2-Chloroethoxy) Methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl Phthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0900

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433397  
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH033397A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 4 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2-----	3-Nitroaniline	1600	U
83-32-9-----	Acenaphthene	340	U
51-28-5-----	2,4-Dinitrophenol	1600	U
100-02-7-----	4-Nitrophenol	1600	U
132-64-9-----	Dibenzofuran	340	U
121-14-2-----	2,4-Dinitrotoluene	340	U
84-66-2-----	Diethylphthalate	340	U
7005-72-3-----	4-Chlorophenyl-phenylether	340	U
86-73-7-----	Fluorene	340	U
100-01-6-----	4-Nitroaniline	1600	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6-----	N-Nitrosodiphenylamine (1)	340	U
101-55-3-----	4-Bromophenyl-phenylether	340	U
118-74-1-----	Hexachlorobenzene	340	U
87-86-5-----	Pentachlorophenol	1600	U
85-01-8-----	Phenanthrene	340	U
120-12-7-----	Anthracene	340	U
84-74-2-----	Di-n-Butylphthalate	46	J
206-44-0-----	Fluoranthene	340	U
129-00-0-----	Pyrene	340	U
85-68-7-----	Butylbenzylphthalate	340	U
91-94-1-----	3,3'-Dichlorobenzidine	680	U
56-55-3-----	Benzo(a)Anthracene	340	U
218-01-9-----	Chrysene	340	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	72	J
117-84-0-----	Di-n-Octyl Phthalate	340	U
205-99-2-----	Benzo(b)Fluoranthene	340	U
207-08-9-----	Benzo(k)Fluoranthene	340	U
50-32-8-----	Benzo(a)Pyrene	340	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	340	U
53-70-3-----	Dibenzo(a,h)Anthracene	340	U
191-24-2-----	Benzo(g,h,i)Perylene	340	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0900

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433397  
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH033397A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 4 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.0

Number TICs found: 24 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.00	620	BJ
2.	SOLVENT CONTAMINANT	5.08	440	BJ
3.	UNKNOWN	5.85	580	J
4.	ALDOL	6.10	270	ABJ
5.	ALDOL	6.58	270	AJ
6.	UNKNOWN	17.77	620	J
7.	UNKNOWN	17.94	240	J
8.	UNKNOWN	18.27	650	J
9.	UNKNOWN	18.77	820	J
10.	UNKNOWN	19.04	270	J
11.	UNKNOWN	19.20	340	J
12.	UNKNOWN	19.29	680	J
13.	UNKNOWN	19.45	240	J
14.	UNKNOWN	19.59	510	J
15.	UNKNOWN	19.77	210	J
16.	UNKNOWN	20.05	510	J
17.	UNKNOWN	20.70	310	J
18.	UNKNOWN	20.94	480	J
19.	UNKNOWN	21.32	240	J
20.	UNKNOWN	21.44	210	J
21.	UNKNOWN	21.65	310	J
22.	UNKNOWN	21.72	680	J
23.	UNKNOWN	22.65	510	J
24.	UNKNOWN	24.07	240	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0913

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433399  
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: GH033399A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl) Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
100-51-6	Benzyl Alcohol	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
39638-32-9	Bis(2-Chloroethyl) Ether	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
65-85-0	Benzoic Acid	1700	U
111-91-1	bis(2-Chloroethoxy)Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethyl Phthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0913

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433399  
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: GH033399A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CONCENTRATION UNITS:

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

99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	350	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	350	U
121-14-2-----	2,4-Dinitrotoluene	350	U
84-66-2-----	Diethylphthalate	350	U
7005-72-3-----	4-Chlorophenyl-phenylether	350	U
86-73-7-----	Fluorene	350	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	350	U
101-55-3-----	4-Bromophenyl-phenylether	350	U
118-74-1-----	Hexachlorobenzene	350	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	350	U
120-12-7-----	Anthracene	350	U
84-74-2-----	Di-n-Butylphthalate	82	J
206-44-0-----	Fluoranthene	350	U
129-00-0-----	Pyrene	350	U
85-68-7-----	Butylbenzylphthalate	350	U
91-94-1-----	3,3'-Dichlorobenzidine	710	U
56-55-3-----	Benzo(a)Anthracene	350	U
218-01-9-----	Chrysene	350	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	78	J
117-84-0-----	Di-n-Octyl Phthalate	350	U
205-99-2-----	Benzo(b)Fluoranthene	350	U
207-08-9-----	Benzo(k)Fluoranthene	350	U
50-32-8-----	Benzo(a)Pyrene	350	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	350	U
53-70-3-----	Dibenzo(a,h)Anthracene	350	U
191-24-2-----	Benzo(g,h,i)Perylene	350	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0913

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433399  
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: GH033399A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

Number TICs found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	4.98	540	BJ
2.	SOLVENT CONTAMINANT	5.07	500	BJ
3.	ALDOL	6.10	360	ABJ
4.	UNKNOWN	19.04	180	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1300

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433400  
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: GJ033400B20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl) Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
100-51-6	Benzyl Alcohol	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
39638-32-9	Bis(2-Chloroethyl) Ether	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-Di-n-Propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy)Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0913

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433399  
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: GH033399A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

Number TICs found: 4

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	4.98	540	BJ
2.	SOLVENT CONTAMINANT	5.07	500	BJ
3.	ALDOL	6.10	360	ABJ
4.	UNKNOWN	19.04	180	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1300

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433400  
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: GJ033400B20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl) Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
100-51-6	Benzyl Alcohol	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
39638-32-9	Bis(2-Chloroethyl) Ether	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-Di-n-Propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy)Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1300

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433400  
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: GJ033400B20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	360	U
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
84-74-2	Di-n-Butylphthalate	39	J
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	730	U
56-55-3	Benzo(a)Anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl) Phthalate	63	J
117-84-0	Di-n-Octyl Phthalate	360	U
205-99-2	Benzo(b) Fluoranthene	360	U
207-08-9	Benzo(k) Fluoranthene	360	U
50-32-8	Benzo(a) Pyrene	360	U
193-39-5	Indeno(1,2,3-cd) Pyrene	360	U
53-70-3	Dibenzo(a,h) Anthracene	360	U
191-24-2	Benzo(g,h,i) Perylene	360	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1300

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433400  
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: GJ033400B20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

Number TICs found: 24

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.05	590	BJ
2.	SOLVENT CONTAMINANT	5.12	440	BJ
3.	UNKNOWN	5.90	1400	J
4.	ALDOL	6.13	730	ABJ
5.	ALDOL	6.62	510	BJ
6.	UNKNOWN	7.28	440	J
7.	UNKNOWN HYDROCARBON	17.67	370	J
8.	UNKNOWN	17.77	510	J
9.	UNKNOWN HYDROCARBON	17.94	920	J
10.	UNKNOWN HYDROCARBON	18.15	550	J
11.	UNKNOWN	18.24	330	J
12.	UNKNOWN	18.32	400	J
13.	UNKNOWN	18.44	440	J
14.	UNKNOWN	18.74	770	J
15.	UNKNOWN	19.27	370	J
16.	UNKNOWN	19.57	370	J
17.	UNKNOWN	19.90	620	J
18.	UNKNOWN	20.35	290	J
19.	UNKNOWN	20.69	440	J
20.	UNKNOWN	20.84	330	J
21.	UNKNOWN	21.05	220	J
22.	UNKNOWN	21.62	480	J
23.	UNKNOWN	22.27	220	J
24.	UNKNOWN	22.60	370	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1316

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433403  
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: GH033403A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl) Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
100-51-6	Benzyl Alcohol	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
39638-32-9	Bis(2-Chloroethyl) Ether	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
65-85-0	Benzoic Acid	1700	U
111-91-1	bis(2-Chloroethoxy) Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethyl Phthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1316

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433403  
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: GH033403A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	350	U
51-28-5	2,4-Dinitrophenol	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-Methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
84-74-2	Di-n-Butylphthalate	46	J
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	710	U
56-55-3	Benzo(a)Anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)Phthalate	46	J
117-84-0	Di-n-Octyl Phthalate	350	U
205-99-2	Benzo(b)Fluoranthene	350	U
207-08-9	Benzo(k)Fluoranthene	350	U
50-32-8	Benzo(a)Pyrene	350	U
193-39-5	Indeno(1,2,3-cd)Pyrene	350	U
53-70-3	Dibenzo(a,h)Anthracene	350	U
191-24-2	Benzo(g,h,i)Perylene	350	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1316

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433403  
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: GH033403A20  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.0

Number TICs found: 4 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.03	720	BJ
2.	SOLVENT CONTAMINANT	5.10	540	BJ
3.	ALDOL	6.13	250	ABJ
4.	UNKNOWN	19.07	140	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0100MS

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432976  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032976A20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl) Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
100-51-6	Benzyl Alcohol	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
39638-32-9	Bis(2-Chloroethyl) Ether	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy) Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0100MS

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432976  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032976A20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	370	U
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-Butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	730	U
56-55-3	Benzo(a)Anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)Phthalate	370	U
117-84-0	Di-n-Octyl Phthalate	370	U
205-99-2	Benzo(b)Fluoranthene	370	U
207-08-9	Benzo(k)Fluoranthene	370	U
50-32-8	Benzo(a)Pyrene	370	U
193-39-5	Indeno(1,2,3-cd)Pyrene	370	U
53-70-3	Dibenzo(a,h)Anthracene	370	U
191-24-2	Benzo(g,h,i)Perylene	370	U

(1) - Cannot be separated from Diphenylamine

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0100MSD

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432977  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032977A20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl) Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
100-51-6	Benzyl Alcohol	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
39638-32-9	Bis(2-Chloroethyl) Ether	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy)Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0100MSD

Lab Name: COMPUCHEM.RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432977  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH032977A20  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.2 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2-----	3-Nitroaniline	1800	U
83-32-9-----	Acenaphthene	370	U
51-28-5-----	2,4-Dinitrophenol	1800	U
100-02-7-----	4-Nitrophenol	1800	U
132-64-9-----	Dibenzofuran	370	U
121-14-2-----	2,4-Dinitrotoluene	370	U
84-66-2-----	Diethylphthalate	370	U
7005-72-3-----	4-Chlorophenyl-phenylether	370	U
86-73-7-----	Fluorene	370	U
100-01-6-----	4-Nitroaniline	1800	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	370	U
101-55-3-----	4-Bromophenyl-phenylether	370	U
118-74-1-----	Hexachlorobenzene	370	U
87-86-5-----	Pentachlorophenol	1800	U
85-01-8-----	Phenanthrene	370	U
120-12-7-----	Anthracene	370	U
84-74-2-----	Di-n-Butylphthalate	370	U
206-44-0-----	Fluoranthene	370	U
129-00-0-----	Pyrene	370	U
85-68-7-----	Butylbenzylphthalate	370	U
91-94-1-----	3,3'-Dichlorobenzidine	730	U
56-55-3-----	Benzo(a)Anthracene	370	U
218-01-9-----	Chrysene	370	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	370	U
117-84-0-----	Di-n-Octyl Phthalate	370	U
205-99-2-----	Benzo(b)Fluoranthene	370	U
207-08-9-----	Benzo(k)Fluoranthene	370	U
50-32-8-----	Benzo(a)Pyrene	370	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	370	U
53-70-3-----	Dibenzo(a,h)Anthracene	370	U
191-24-2-----	Benzo(g,h,i)Perylene	370	U

(1) - Cannot be separated from Diphenylamine

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0100

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1

Matrix: (soil/water) SOIL Lab Sample ID: 432969

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 07/25/91

% Moisture: not dec. 10 dec. \_\_\_\_\_

Date Extracted: 07/29/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/29/91

GPC Cleanup: (Y/N) N pH: 5.2

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.8	U
319-85-7	beta-BHC	8.8	U
319-86-8	delta-BHC	8.8	U
58-89-9	gamma-BHC	8.8	U
76-44-8	Heptachlor	8.8	U
309-00-2	Aldrin	8.8	U
1024-57-3	Heptachlor epoxide	8.8	U
959-98-8	Endosulfan I	8.8	U
60-57-1	Dieldrin	18	U
72-55-9	4,4'-DDE	18	U
72-20-8	Endrin	18	U
33213-65-9	Endosulfan II	18	U
72-54-8	4,4'-DDD	18	U
1031-07-8	Endosulfan sulfate	18	U
50-29-3	4,4'-DDT	18	U
72-43-5	p,p'-Methoxychlor	88	U
53494-70-5	Endrin ketone	18	U
5103-71-9	alpha-Chlordane	88	U
5103-74-2	gamma-Chlordane	88	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	88	U
11104-28-2	Aroclor-1221	88	U
11141-16-5	Aroclor-1232	88	U
53469-21-9	Aroclor-1242	88	U
12672-29-6	Aroclor-1248	88	U
11097-69-1	Aroclor-1254	180	U
11096-82-5	Aroclor-1260	180	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0114

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1

Matrix: (soil/water) SOIL Lab Sample ID: 432992

Sample wt/vol: 30.1 (g/mL) G Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Received: 07/25/91

% Moisture: not dec. 11 dec. \_\_\_\_\_ Date Extracted: 07/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	9.0	U
319-85-7	beta-BHC	9.0	U
319-86-8	delta-BHC	9.0	U
58-89-9	gamma-BHC	9.0	U
76-44-8	Heptachlor	9.0	U
309-00-2	Aldrin	9.0	U
1024-57-3	Heptachlor epoxide	9.0	U
959-98-8	Endosulfan I	9.0	U
60-57-1	Dieldrin	18	U
72-55-9	4,4'-DDE	18	U
72-20-8	Endrin	18	U
33213-65-9	Endosulfan II	18	U
72-54-8	4,4'-DDD	18	U
1031-07-8	Endosulfan sulfate	18	U
50-29-3	4,4'-DDT	18	U
72-43-5	p,p'-Methoxychlor	90	U
53494-70-5	Endrin ketone	18	U
5103-71-9	alpha-Chlordane	90	U
5103-74-2	gamma-Chlordane	90	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	90	U
11104-28-2	Aroclor-1221	90	U
11141-16-5	Aroclor-1232	90	U
53469-21-9	Aroclor-1242	90	U
12672-29-6	Aroclor-1248	90	U
11097-69-1	Aroclor-1254	180	U
11096-82-5	Aroclor-1260	180	U



1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0200

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1

Matrix: (soil/water) SOIL Lab Sample ID: 432970

Sample wt/vol: 30.4 (g/mL) G Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Received: 07/25/91

% Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/29/91

GPC Cleanup: (Y/N) N pH: 6.1 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.6	U
319-85-7	beta-BHC	8.6	U
319-86-8	delta-BHC	8.6	U
58-89-9	gamma-BHC	8.6	U
76-44-8	Heptachlor	8.6	U
309-00-2	Aldrin	8.6	U
1024-57-3	Heptachlor epoxide	8.6	U
959-98-8	Endosulfan I	8.6	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	86	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	86	U
5103-74-2	gamma-Chlordane	86	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	86	U
53469-21-9	Aroclor-1242	86	U
12672-29-6	Aroclor-1248	86	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0214

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432991  
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.1 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.6	U
319-85-7	beta-BHC	8.6	U
319-86-8	delta-BHC	8.6	U
58-89-9	gamma-BHC	8.6	U
76-44-8	Heptachlor	8.6	U
309-00-2	Aldrin	8.6	U
1024-57-3	Heptachlor epoxide	8.6	U
959-98-8	Endosulfan I	8.6	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	86	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	86	U
5103-74-2	gamma-Chlordane	86	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	86	U
53469-21-9	Aroclor-1242	86	U
12672-29-6	Aroclor-1248	86	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0200

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.:          SDG No.: 1  
Matrix: (soil/water) SOIL Lab Sample ID: 432970  
Sample wt/vol: 30.4 (g/mL) G Lab File ID:           
Level: (low/med) LOW Date Received: 07/25/91  
% Moisture: not dec. 8 dec.          Date Extracted: 07/29/91  
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/29/91  
GPC Cleanup: (Y/N) N pH: 6.1 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.6	U
319-85-7	beta-BHC	8.6	U
319-86-8	delta-BHC	8.6	U
58-89-9	gamma-BHC	8.6	U
76-44-8	Heptachlor	8.6	U
309-00-2	Aldrin	8.6	U
1024-57-3	Heptachlor epoxide	8.6	U
959-98-8	Endosulfan I	8.6	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	86	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	86	U
5103-74-2	gamma-Chlordane	86	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	86	U
53469-21-9	Aroclor-1242	86	U
12672-29-6	Aroclor-1248	86	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0214

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432991  
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.1 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	Q
319-84-6	alpha-BHC	8.6 U
319-85-7	beta-BHC	8.6 U
319-86-8	delta-BHC	8.6 U
58-89-9	gamma-BHC	8.6 U
76-44-8	Heptachlor	8.6 U
309-00-2	Aldrin	8.6 U
1024-57-3	Heptachlor epoxide	8.6 U
959-98-8	Endosulfan I	8.6 U
60-57-1	Dieldrin	17 U
72-55-9	4,4'-DDE	17 U
72-20-8	Endrin	17 U
33213-65-9	Endosulfan II	17 U
72-54-8	4,4'-DDD	17 U
1031-07-8	Endosulfan sulfate	17 U
50-29-3	4,4'-DDT	17 U
72-43-5	p,p'-Methoxychlor	86 U
53494-70-5	Endrin ketone	17 U
5103-71-9	alpha-Chlordane	86 U
5103-74-2	gamma-Chlordane	86 U
8001-35-2	Toxaphene	170 U
12674-11-2	Aroclor-1016	86 U
11104-28-2	Aroclor-1221	86 U
11141-16-5	Aroclor-1232	86 U
53469-21-9	Aroclor-1242	86 U
12672-29-6	Aroclor-1248	86 U
11097-69-1	Aroclor-1254	170 U
11096-82-5	Aroclor-1260	170 U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0300

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1

Matrix: (soil/water) SOIL Lab Sample ID: 432974

Sample wt/vol: 30.4 (g/mL) G Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Received: 07/25/91

% Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/29/91

GPC Cleanup: (Y/N) N pH: 5.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.7	U
319-85-7	beta-BHC	8.7	U
319-86-8	delta-BHC	8.7	U
58-89-9	gamma-BHC	8.7	U
76-44-8	Heptachlor	8.7	U
309-00-2	Aldrin	8.7	U
1024-57-3	Heptachlor epoxide	8.7	U
959-98-8	Endosulfan I	8.7	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	87	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	87	U
5103-74-2	gamma-Chlordane	87	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	87	U
53469-21-9	Aroclor-1242	87	U
12672-29-6	Aroclor-1248	87	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0400

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPH Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432983  
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 7 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/29/91  
 GPC Cleanup: (Y/N) N pH: 6.5 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.5	U
319-85-7	beta-BHC	8.5	U
319-86-8	delta-BHC	8.5	U
58-89-9	gamma-BHC	8.5	U
76-44-8	Heptachlor	8.5	U
309-00-2	Aldrin	8.5	U
1024-57-3	Heptachlor epoxide	8.5	U
959-98-8	Endosulfan I	8.5	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	85	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	85	U
5103-74-2	gamma-Chlordane	85	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	85	U
11104-28-2	Aroclor-1221	85	U
11141-16-5	Aroclor-1232	85	U
53469-21-9	Aroclor-1242	85	U
12672-29-6	Aroclor-1248	85	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB04145

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432990  
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/30/91  
 GPC Cleanup: (Y/N) N pH: 5.1 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.7	U
319-85-7	beta-BHC	8.7	U
319-86-8	delta-BHC	8.7	U
58-89-9	gamma-BHC	8.7	U
76-44-8	Heptachlor	8.7	U
309-00-2	Aldrin	8.7	U
1024-57-3	Heptachlor epoxide	8.7	U
959-98-8	Endosulfan I	8.7	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	87	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	87	U
5103-74-2	gamma-Chlordane	87	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	87	U
53469-21-9	Aroclor-1242	87	U
12672-29-6	Aroclor-1248	87	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB05135

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433370  
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 5 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.1 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.3	U
319-85-7	beta-BHC	8.3	U
319-86-8	delta-BHC	8.3	U
58-89-9	gamma-BHC	8.3	U
76-44-8	Heptachlor	8.3	U
309-00-2	Aldrin	8.3	U
1024-57-3	Heptachlor epoxide	8.3	U
959-98-8	Endosulfan I	8.3	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	83	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	83	U
5103-74-2	gamma-Chlordane	83	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	83	U
11104-28-7	Aroclor-1221	83	U
11141-16-5	Aroclor-1232	83	U
53469-21-9	Aroclor-1242	83	U
12672-29-6	Aroclor-1248	83	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U



1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0500

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432985  
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/29/91  
 GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	Q
319-84-6	alpha-BHC	8.7   U
319-85-7	beta-BHC	8.7   U
319-86-8	delta-BHC	8.7   U
58-89-9	gamma-BHC	8.7   U
76-44-8	Heptachlor	8.7   U
309-00-2	Aldrin	8.7   U
1024-57-3	Heptachlor epoxide	8.7   U
959-98-8	Endosulfan I	8.7   U
60-57-1	Dieldrin	17   U
72-55-9	4,4'-DDE	17   U
72-20-8	Endrin	17   U
33213-65-9	Endosulfan II	17   U
72-54-8	4,4'-DDD	17   U
1031-07-8	Endosulfan sulfate	17   U
50-29-3	4,4'-DDT	17   U
72-43-5	p,p'-Methoxychlor	87   U
53494-70-5	Endrin ketone	17   U
5103-71-9	alpha-Chlordane	87   U
5103-74-2	gamma-Chlordane	87   U
8001-35-2	Toxaphene	170   U
12674-11-2	Aroclor-1016	87   U
11104-28-2	Aroclor-1221	87   U
11141-16-5	Aroclor-1232	87   U
53469-21-9	Aroclor-1242	87   U
12672-29-6	Aroclor-1248	87   U
11097-69-1	Aroclor-1254	170   U
11096-82-5	Aroclor-1260	170   U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0600

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433376  
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 6.5 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
319-84-6	alpha-BHC	8.6	U
319-85-7	beta-BHC	8.6	U
319-86-8	delta-BHC	8.6	U
58-89-9	gamma-BHC	8.6	U
76-44-8	Heptachlor	8.6	U
309-00-2	Aldrin	8.6	U
1024-57-3	Heptachlor epoxide	8.6	U
959-98-8	Endosulfan I	8.6	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	86	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	86	U
5103-74-2	gamma-Chlordane	86	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	86	U
53469-21-9	Aroclor-1242	86	U
12672-29-6	Aroclor-1248	86	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0613

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433378  
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 12 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	9.0	U
319-85-7	beta-BHC	9.0	U
319-86-8	delta-BHC	9.0	U
58-89-9	gamma-BHC	9.0	U
76-44-8	Heptachlor	9.0	U
309-00-2	Aldrin	9.0	U
1024-57-3	Heptachlor epoxide	9.0	U
959-98-8	Endosulfan I	9.0	U
60-57-1	Dieldrin	18	U
72-55-9	4,4'-DDE	18	U
72-20-8	Endrin	18	U
33213-65-9	Endosulfan II	18	U
72-54-8	4,4'-DDD	18	U
1031-07-8	Endosulfan sulfate	18	U
50-29-3	4,4'-DDT	18	U
72-43-5	p,p'-Methoxychlor	90	U
53494-70-5	Endrin ketone	18	U
5103-71-9	alpha-Chlordane	90	U
5103-74-2	gamma-Chlordane	90	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	90	U
11104-28-2	Aroclor-1221	90	U
11141-16-5	Aroclor-1232	90	U
53469-21-9	Aroclor-1242	90	U
12672-29-6	Aroclor-1248	90	U
11097-69-1	Aroclor-1254	180	U
11096-82-5	Aroclor-1260	180	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0700

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433380  
 Sample wt/vol: 30.2 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 4 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
319-84-6	alpha-BHC	8.3	U
319-85-7	beta-BHC	8.3	U
319-86-8	delta-BHC	8.3	U
58-89-9	gamma-BHC	8.3	U
76-44-8	Heptachlor	8.3	U
309-00-2	Aldrin	8.3	U
1024-57-3	Heptachlor epoxide	8.3	U
959-98-8	Endosulfan I	8.3	U
60-57-1	Dieldrin	16	U
72-55-9	4,4'-DDE	16	U
72-20-8	Endrin	16	U
33213-65-9	Endosulfan II	16	U
72-54-8	4,4'-DDD	16	U
1031-07-8	Endosulfan sulfate	16	U
50-29-3	4,4'-DDT	16	U
72-43-5	p,p'-Methoxychlor	83	U
53494-70-5	Endrin ketone	16	U
5103-71-9	alpha-Chlordane	83	U
5103-74-2	gamma-Chlordane	83	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	83	U
11104-28-2	Aroclor-1221	83	U
11141-16-5	Aroclor-1232	83	U
53469-21-9	Aroclor-1242	83	U
12672-29-6	Aroclor-1248	83	U
11097-69-1	Aroclor-1254	160	U
11096-82-5	Aroclor-1260	160	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0713

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1

Matrix: (soil/water) SOIL Lab Sample ID: 433382

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 07/26/91

% Moisture: not dec. 11 dec. \_\_\_\_\_

Date Extracted: 07/29/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/01/91

GPC Cleanup: (Y/N) N pH: 5.7

Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

319-84-6-----alpha-BHC	8.8 U
319-85-7-----beta-BHC	8.8 U
319-86-8-----delta-BHC	8.8 U
58-89-9-----gamma-BHC	8.8 U
76-44-8-----Heptachlor	8.8 U
309-00-2-----Aldrin	8.8 U
1024-57-3-----Heptachlor epoxide	8.8 U
959-98-8-----Endosulfan I	8.8 U
60-57-1-----Dieldrin	18 U
72-55-9-----4,4'-DDE	18 U
72-20-8-----Endrin	18 U
33213-65-9-----Endosulfan II	18 U
72-54-8-----4,4'-DDD	18 U
1031-07-8-----Endosulfan sulfate	18 U
50-29-3-----4,4'-DDT	18 U
72-43-5-----p,p'-Methoxychlor	88 U
53494-70-5-----Endrin ketone	18 U
5103-71-9-----alpha-Chlordane	88 U
5103-74-2-----gamma-Chlordane	88 U
8001-35-2-----Toxaphene	180 U
12674-11-2-----Aroclor-1016	88 U
11104-28-2-----Aroclor-1221	88 U
11141-16-5-----Aroclor-1232	88 U
53469-21-9-----Aroclor-1242	88 U
12672-29-6-----Aroclor-1248	88 U
11097-69-1-----Aroclor-1254	180 U
11096-82-5-----Aroclor-1260	180 U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0800

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433385  
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 19 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	9.7	U
319-85-7	beta-BHC	9.7	U
319-86-8	delta-BHC	9.7	U
58-89-9	gamma-BHC	9.7	U
76-44-8	Heptachlor	9.7	U
309-00-2	Aldrin	9.7	U
1024-57-3	Heptachlor epoxide	9.7	U
959-98-8	Endosulfan I	9.7	U
60-57-1	Dieldrin	19	U
72-55-9	4,4'-DDE	19	U
72-20-8	Endrin	19	U
33213-65-9	Endosulfan II	19	U
72-54-8	4,4'-DDD	19	U
1031-07-8	Endosulfan sulfate	19	U
50-29-3	4,4'-DDT	19	U
72-43-5	p,p'-Methoxychlor	97	U
53494-70-5	Endrin ketone	19	U
5103-71-9	alpha-Chlordane	97	U
5103-74-2	gamma-Chlordane	97	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	97	U
11104-28-2	Aroclor-1221	97	U
11141-16-5	Aroclor-1232	97	U
53469-21-9	Aroclor-1242	97	U
12672-29-6	Aroclor-1248	97	U
11097-69-1	Aroclor-1254	190	U
11096-82-5	Aroclor-1260	190	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0813

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433395  
 Sample wt/vol: 30.7 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.7	U
319-85-7	beta-BHC	8.7	U
319-86-8	delta-BHC	8.7	U
58-89-9	gamma-BHC	8.7	U
76-44-8	Heptachlor	8.7	U
309-00-2	Aldrin	8.7	U
1024-57-3	Heptachlor epoxide	8.7	U
959-98-8	Endosulfan I	8.7	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	87	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	87	U
5103-74-2	gamma-Chlordane	87	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	87	U
53469-21-9	Aroclor-1242	87	U
12672-29-6	Aroclor-1248	87	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0900

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433397  
 Sample wt/vol: 30.6 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 4 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.2	U
319-85-7	beta-BHC	8.2	U
319-86-8	delta-BHC	8.2	U
58-89-9	gamma-BHC	8.2	U
76-44-8	Heptachlor	8.2	U
309-00-2	Aldrin	8.2	U
1024-57-3	Heptachlor epoxide	8.2	U
959-98-8	Endosulfan I	8.2	U
60-57-1	Dieldrin	16	U
72-55-9	4,4'-DDE	16	U
72-20-8	Endrin	16	U
33213-65-9	Endosulfan II	16	U
72-54-8	4,4'-DDD	16	U
1031-07-8	Endosulfan sulfate	16	U
50-29-3	4,4'-DDT	16	U
72-43-5	p,p'-Methoxychlor	82	U
53494-70-5	Endrin ketone	16	U
5103-71-9	alpha-Chlordane	82	U
5103-74-2	gamma-Chlordane	82	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	82	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	82	U
53469-21-9	Aroclor-1242	82	U
12672-29-6	Aroclor-1248	82	U
11097-69-1	Aroclor-1254	160	U
11096-82-5	Aroclor-1260	160	U



1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0913

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433399  
 Sample wt/vol: 30.2 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.6	U
319-85-7	beta-BHC	8.6	U
319-86-8	delta-BHC	8.6	U
58-89-9	gamma-BHC	8.6	U
76-44-8	Heptachlor	8.6	U
309-00-2	Aldrin	8.6	U
1024-57-3	Heptachlor epoxide	8.6	U
959-98-8	Endosulfan I	8.6	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	86	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	86	U
5103-74-2	gamma-Chlordane	86	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	86	U
53469-21-9	Aroclor-1242	86	U
12672-29-6	Aroclor-1248	86	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1300

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433400  
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.7	U
319-85-7	beta-BHC	8.7	U
319-86-8	delta-BHC	8.7	U
58-89-9	gamma-BHC	8.7	U
76-44-8	Heptachlor	8.7	U
309-00-2	Aldrin	8.7	U
1024-57-3	Heptachlor epoxide	8.7	U
959-98-8	Endosulfan I	8.7	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	87	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	87	U
5103-74-2	gamma-Chlordane	87	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	87	U
53469-21-9	Aroclor-1242	87	U
12672-29-6	Aroclor-1248	87	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0913

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433399  
 Sample wt/vol: 30.2 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	<u>UG/KG</u> Q
319-84-6	alpha-BHC	8.6	U
319-85-7	beta-BHC	8.6	U
319-86-8	delta-BHC	8.6	U
58-89-9	gamma-BHC	8.6	U
76-44-8	Heptachlor	8.6	U
309-00-2	Aldrin	8.6	U
1024-57-3	Heptachlor epoxide	8.6	U
959-98-8	Endosulfan I	8.6	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	86	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	86	U
5103-74-2	gamma-Chlordane	86	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	86	U
53469-21-9	Aroclor-1242	86	U
12672-29-6	Aroclor-1248	86	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1300

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1

Matrix: (soil/water) SOIL Lab Sample ID: 433400

Sample wt/vol: 30.5 (g/mL) G Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Received: 07/26/91

% Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.7	U
319-85-7	beta-BHC	8.7	U
319-86-8	delta-BHC	8.7	U
58-89-9	gamma-BHC	8.7	U
76-44-8	Heptachlor	8.7	U
309-00-2	Aldrin	8.7	U
1024-57-3	Heptachlor epoxide	8.7	U
959-98-8	Endosulfan I	8.7	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	87	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	87	U
5103-74-2	gamma-Chlordane	87	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	87	U
53469-21-9	Aroclor-1242	87	U
12672-29-6	Aroclor-1248	87	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1316

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 433403  
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/01/91  
 GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	Q
319-84-6	alpha-BHC	8.6   U
319-85-7	beta-BHC	8.6   U
319-86-8	delta-BHC	8.6   U
58-89-9	gamma-BHC	8.6   U
76-44-8	Heptachlor	8.6   U
309-00-2	Aldrin	8.6   U
1024-57-3	Heptachlor epoxide	8.6   U
959-98-8	Endosulfan I	8.6   U
60-57-1	Dieldrin	17   U
72-55-9	4,4'-DDE	17   U
72-20-8	Endrin	17   U
33213-65-9	Endosulfan II	17   U
72-54-8	4,4'-DDD	17   U
1031-07-8	Endosulfan sulfate	17   U
50-29-3	4,4'-DDT	17   U
72-43-5	p,p'-Methoxychlor	86   U
53494-70-5	Endrin ketone	17   U
5103-71-9	alpha-Chlordane	86   U
5103-74-2	gamma-Chlordane	86   U
8001-35-2	Toxaphene	170   U
12674-11-2	Aroclor-1016	86   U
11104-28-2	Aroclor-1221	86   U
11141-16-5	Aroclor-1232	86   U
53469-21-9	Aroclor-1242	86   U
12672-29-6	Aroclor-1248	86   U
11097-69-1	Aroclor-1254	170   U
11096-82-5	Aroclor-1260	170   U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB03135

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432987  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 7 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/29/91  
 GPC Cleanup: (Y/N) N pH: 5.3 Dilution Factor: 1.00

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
319-84-6	alpha-BHC	8.6	U
319-85-7	beta-BHC	8.6	U
319-86-8	delta-BHC	8.6	U
58-89-9	gamma-BHC	8.6	U
76-44-8	Heptachlor	8.6	U
309-00-2	Aldrin	8.6	U
1024-57-3	Heptachlor epoxide	8.6	U
959-98-8	Endosulfan I	8.6	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	86	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	86	U
5103-74-2	gamma-Chlordane	86	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	86	U
53469-21-9	Aroclor-1242	86	U
12672-29-6	Aroclor-1248	86	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0100MS

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432979  
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/29/91  
 GPC Cleanup: (Y/N) N pH: 5.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.8	U
319-85-7	beta-BHC	8.8	U
319-86-8	delta-BHC	8.8	U
58-89-9	gamma-BHC	8.8	U
76-44-8	Heptachlor	8.8	U
309-00-2	Aldrin	8.8	U
1024-57-3	Heptachlor epoxide	8.8	U
959-98-8	Endosulfan I	8.8	U
60-57-1	Dieldrin	18	U
72-55-9	4,4'-DDE	18	U
72-20-8	Endrin	18	U
33213-65-9	Endosulfan II	18	U
72-54-8	4,4'-DDD	18	U
1031-07-8	Endosulfan sulfate	18	U
50-29-3	4,4'-DDT	18	U
72-43-5	p,p'-Methoxychlor	88	U
53494-70-5	Endrin ketone	18	U
5103-71-9	alpha-Chlordane	88	U
5103-74-2	gamma-Chlordane	88	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	88	U
11104-28-2	Aroclor-1221	88	U
11141-16-5	Aroclor-1232	88	U
53469-21-9	Aroclor-1242	88	U
12672-29-6	Aroclor-1248	88	U
11097-69-1	Aroclor-1254	180	U
11096-82-5	Aroclor-1260	180	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0100MSD

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 1  
 Matrix: (soil/water) SOIL Lab Sample ID: 432980  
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/25/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/29/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/29/91  
 GPC Cleanup: (Y/N) N pH: 5.2 Dilution Factor: 1.00

CONCENTRATION UNITS:

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

319-84-6	alpha-BHC	8.8	U
319-85-7	beta-BHC	8.8	U
319-86-8	delta-BHC	8.8	U
58-89-9	gamma-BHC	8.8	U
76-44-8	Heptachlor	8.8	U
309-00-2	Aldrin	8.8	U
1024-57-3	Heptachlor epoxide	8.8	U
959-98-8	Endosulfan I	8.8	U
60-57-1	Dieldrin	18	U
72-55-9	4,4'-DDE	18	U
72-20-8	Endrin	18	U
33213-65-9	Endosulfan II	18	U
72-54-8	4,4'-DDD	18	U
1031-07-8	Endosulfan sulfate	18	U
50-29-3	4,4'-DDT	18	U
72-43-5	p,p'-Methoxychlor	88	U
53494-70-5	Endrin ketone	18	U
5103-71-9	alpha-Chlordane	88	U
5103-74-2	gamma-Chlordane	88	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	88	U
11104-28-2	Aroclor-1221	88	U
11141-16-5	Aroclor-1232	88	U
53469-21-9	Aroclor-1242	88	U
12672-29-6	Aroclor-1248	88	U
11097-69-1	Aroclor-1254	180	U
11096-82-5	Aroclor-1260	180	U



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0913

Lab Name: COMPUCHEM.RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433896  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033896B54  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 10 Date Analyzed: 07/31/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	20	B
67-64-1	-----Acetone	10	BJ
75-15-0	-----Carbon Disulfide	6	U
75-35-4	-----1,1-Dichloroethene	6	U
75-34-3	-----1,1-Dichloroethane	6	U
540-59-0	-----1,2-Dichloroethene (total)	6	U
67-66-3	-----Chloroform	6	U
107-06-2	-----1,2-Dichloroethane	6	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	6	U
56-23-5	-----Carbon Tetrachloride	6	U
108-05-4	-----Vinyl Acetate	6	U
75-27-4	-----Bromodichloromethane	6	U
78-87-5	-----1,2-Dichloropropane	6	U
10061-01-5	-----cis-1,3-Dichloropropene	6	U
79-01-6	-----Trichloroethene	6	U
124-48-1	-----Dibromochloromethane	6	U
79-00-5	-----1,1,2-Trichloroethane	6	U
71-43-2	-----Benzene	6	U
10061-02-6	-----Trans-1,3-Dichloropropene	6	U
75-25-2	-----Bromoform	6	U
108-10-1	-----4-Methyl-2-Pentanone	11	U
591-78-6	-----2-Hexanone	11	U
127-18-4	-----Tetrachloroethene	6	U
79-34-5	-----1,1,2,2-Tetrachloroethane	6	U
108-88-3	-----Toluene	6	U
108-90-7	-----Chlorobenzene	6	U
100-41-4	-----Ethylbenzene	6	U
100-42-5	-----Styrene	6	U
1330-20-7	-----Total Xylenes	6	U

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1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

01SB0913

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433896  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033896B54  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 10 Date Analyzed: 07/31/91  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1000

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21

Matrix: (soil/water) SOIL Lab Sample ID: 433899

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033899B54

Level: (low/med) LOW Date Received: 07/27/91

% Moisture: not dec. 3 Date Analyzed: 07/30/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	8	B
67-64-1	-----Acetone	38	B
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (total)	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
108-05-4	-----Vinyl Acetate	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
1330-20-7	-----Total Xylenes	5	U

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1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.:

01SB1000

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
Matrix: (soil/water) SOIL Lab Sample ID: 433899  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033899B54  
Level: (low/med) LOW Date Received: 07/27/91  
% Moisture: not dec. 3 Date Analyzed: 07/30/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1100

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433897  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033897B54  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 4 Date Analyzed: 07/30/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	9	B
67-64-1	-----Acetone	34	B
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (total)	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
108-05-4	-----Vinyl Acetate	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
1330-20-7	-----Total Xylenes	5	U

1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1100

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433897  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033897B54  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 4 Date Analyzed: 07/30/91  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1116

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433898  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033898B54  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 4 Date Analyzed: 07/30/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	7	B
67-64-1	-----Acetone	15	B
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (total)	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
108-05-4	-----Vinyl Acetate	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
1330-20-7	-----Total Xylenes	5	U

1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1116

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433898  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033898B54  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 4 Date Analyzed: 07/30/91  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1200

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433405  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR033405B54  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 4 Date Analyzed: 07/31/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	30	B
67-64-1	-----Acetone	9	BJ
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (total)	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
108-05-4	-----Vinyl Acetate	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
1330-20-7	-----Total Xylenes	5	U

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1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1200

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
Matrix: (soil/water) SOIL Lab Sample ID: 433405  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR033405B54  
Level: (low/med) LOW Date Received: 07/26/91  
% Moisture: not dec. 4 Date Analyzed: 07/31/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO:

01SB1216

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433406  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033406B54  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 20 Date Analyzed: 07/30/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	11	B
67-64-1	Acetone	15	B
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	6	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Total Xylenes	6	U

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1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1216

Lab Name: COMPUCHEM.RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
Matrix: (soil/water) SOIL Lab Sample ID: 433406  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033406B54  
Level: (low/med) LOW Date Received: 07/26/91  
% Moisture: not dec. 20 Date Analyzed: 07/30/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1400

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433404  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033404B54  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 Date Analyzed: 07/30/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	Q
74-87-3	-----Chloromethane	11 U
74-83-9	-----Bromomethane	11 U
75-01-4	-----Vinyl Chloride	11 U
75-00-3	-----Chloroethane	11 U
75-09-2	-----Methylene Chloride	5 BJ
67-64-1	-----Acetone	13 B
75-15-0	-----Carbon Disulfide	5 U
75-35-4	-----1,1-Dichloroethene	5 U
75-34-3	-----1,1-Dichloroethane	5 U
540-59-0	-----1,2-Dichloroethene (total)	5 U
67-66-3	-----Chloroform	5 U
107-06-2	-----1,2-Dichloroethane	5 U
78-93-3	-----2-Butanone	11 U
71-55-6	-----1,1,1-Trichloroethane	5 U
56-23-5	-----Carbon Tetrachloride	5 U
108-05-4	-----Vinyl Acetate	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	11 U
591-78-6	-----2-Hexanone	11 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
1330-20-7	-----Total Xylenes	5 U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1400

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
Matrix: (soil/water) SOIL Lab Sample ID: 433404  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033404B54  
Level: (low/med) LOW Date Received: 07/26/91  
% Moisture: not dec. 8 Date Analyzed: 07/30/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1416

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433407  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033407A54  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 19 Date Analyzed: 07/30/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	12	U
74-83-9	-----Bromomethane	12	U
75-01-4	-----Vinyl Chloride	12	U
75-00-3	-----Chloroethane	12	U
75-09-2	-----Methylene Chloride	7	B
67-64-1	-----Acetone	18	B
75-15-0	-----Carbon Disulfide	6	U
75-35-4	-----1,1-Dichloroethene	6	U
75-34-3	-----1,1-Dichloroethane	6	U
540-59-0	-----1,2-Dichloroethene (total)	6	U
67-66-3	-----Chloroform	6	U
107-06-2	-----1,2-Dichloroethane	6	U
78-93-3	-----2-Butanone	12	U
71-55-6	-----1,1,1-Trichloroethane	6	U
56-23-5	-----Carbon Tetrachloride	6	U
108-05-4	-----Vinyl Acetate	6	U
75-27-4	-----Bromodichloromethane	6	U
78-87-5	-----1,2-Dichloropropane	6	U
10061-01-5	-----cis-1,3-Dichloropropene	6	U
79-01-6	-----Trichloroethene	6	U
124-48-1	-----Dibromochloromethane	6	U
79-00-5	-----1,1,2-Trichloroethane	6	U
71-43-2	-----Benzene	6	U
10061-02-6	-----Trans-1,3-Dichloropropene	6	U
75-25-2	-----Bromoform	6	U
108-10-1	-----4-Methyl-2-Pentanone	12	U
591-78-6	-----2-Hexanone	12	U
127-18-4	-----Tetrachloroethene	6	U
79-34-5	-----1,1,2,2-Tetrachloroethane	6	U
108-88-3	-----Toluene	6	U
108-90-7	-----Chlorobenzene	6	U
100-41-4	-----Ethylbenzene	6	U
100-42-5	-----Styrene	6	U
1330-20-7	-----Total Xylenes	6	U

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1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1416

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
Matrix: (soil/water) SOIL Lab Sample ID: 433407  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033407A54  
Level: (low/med) LOW Date Received: 07/26/91  
% Moisture: not dec. 19 Date Analyzed: 07/30/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1500

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433902  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033902B54  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 9 Date Analyzed: 07/30/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	34	B
67-64-1	-----Acetone	13	B
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (total)	5	U
67-66-3	-----Chloroform	5	U
107-06-2	-----1,2-Dichloroethane	5	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	5	U
56-23-5	-----Carbon Tetrachloride	5	U
108-05-4	-----Vinyl Acetate	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	11	U
591-78-6	-----2-Hexanone	11	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
1330-20-7	-----Total Xylenes	5	U

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1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

01SB1500

Lab Name: COMPUCHEM.RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433902  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033902B54  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 9 Date Analyzed: 07/30/91  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1500D

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433900  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033900B54  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 9 Date Analyzed: 07/30/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	6	B
67-64-1	Acetone	22	B
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	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	11	U
591-78-6	2-Hexanone	11	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
1330-20-7	Total Xylenes	5	U

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1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1500D

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433900  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033900B54  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 9 Date Analyzed: 07/30/91  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1516

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433901  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033901B54  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 15 Date Analyzed: 07/30/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	12	U
74-83-9	-----Bromomethane	12	U
75-01-4	-----Vinyl Chloride	12	U
75-00-3	-----Chloroethane	12	U
75-09-2	-----Methylene Chloride	9	B
67-64-1	-----Acetone	26	B
75-15-0	-----Carbon Disulfide	6	U
75-35-4	-----1,1-Dichloroethene	6	U
75-34-3	-----1,1-Dichloroethane	6	U
540-59-0	-----1,2-Dichloroethene (total)	6	U
67-66-3	-----Chloroform	6	U
107-06-2	-----1,2-Dichloroethane	6	U
78-93-3	-----2-Butanone	12	U
71-55-6	-----1,1,1-Trichloroethane	6	U
56-23-5	-----Carbon Tetrachloride	6	U
108-05-4	-----Vinyl Acetate	6	U
75-27-4	-----Bromodichloromethane	6	U
78-87-5	-----1,2-Dichloropropane	6	U
10061-01-5	-----cis-1,3-Dichloropropene	6	U
79-01-6	-----Trichloroethene	6	U
124-48-1	-----Dibromochloromethane	6	U
79-00-5	-----1,1,2-Trichloroethane	6	U
71-43-2	-----Benzene	6	U
10061-02-6	-----Trans-1,3-Dichloropropene	6	U
75-25-2	-----Bromoform	6	U
108-10-1	-----4-Methyl-2-Pentanone	12	U
591-78-6	-----2-Hexanone	12	U
127-18-4	-----Tetrachloroethene	6	U
79-34-5	-----1,1,2,2-Tetrachloroethane	6	U
108-88-3	-----Toluene	6	U
108-90-7	-----Chlorobenzene	6	U
100-41-4	-----Ethylbenzene	6	U
100-42-5	-----Styrene	6	U
1330-20-7	-----Total Xylenes	6	U

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1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1516

Lab Name: COMPUCHEM.RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
Matrix: (soil/water) SOIL Lab Sample ID: 433901  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033901B54  
Level: (low/med) LOW Date Received: 07/27/91  
% Moisture: not dec. 15 Date Analyzed: 07/30/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1600

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433905  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033905B54  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 5 Date Analyzed: 07/31/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	23	B
67-64-1	-----Acetone	9	BJ
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (total)	5	U
67-66-3	-----Chloroform	5	U
107-06-2	-----1,2-Dichloroethane	5	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	5	U
56-23-5	-----Carbon Tetrachloride	5	U
108-05-4	-----Vinyl Acetate	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	11	U
591-78-6	-----2-Hexanone	11	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
1330-20-7	-----Total Xylenes	5	U

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1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1600

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433905  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033905B54  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 5 Date Analyzed: 07/31/91  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1616

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433903  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033903B54  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 16 Date Analyzed: 07/31/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	20	B
67-64-1	Acetone	42	B
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	6	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Total Xylenes	6	U

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1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1616

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
Matrix: (soil/water) SOIL Lab Sample ID: 433903  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033903B54  
Level: (low/med) LOW Date Received: 07/27/91  
% Moisture: not dec. 16 Date Analyzed: 07/31/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1700

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433904  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033904B54  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 4 Date Analyzed: 07/31/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	20	B
67-64-1	-----Acetone	13	B
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (total)	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
108-05-4	-----Vinyl Acetate	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
1330-20-7	-----Total Xylenes	5	U

FORM I VOA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1700

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
Matrix: (soil/water) SOIL Lab Sample ID: 433904  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033904B54  
Level: (low/med) LOW Date Received: 07/27/91  
% Moisture: not dec. 4 Date Analyzed: 07/31/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1716

Lab Name: COMPUCHEM.RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433907  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033907B54  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 19 Date Analyzed: 07/31/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	12	U
74-83-9	-----Bromomethane	12	U
75-01-4	-----Vinyl Chloride	12	U
75-00-3	-----Chloroethane	12	U
75-09-2	-----Methylene Chloride	35	B
67-64-1	-----Acetone	13	B
75-15-0	-----Carbon Disulfide	6	U
75-35-4	-----1,1-Dichloroethene	6	U
75-34-3	-----1,1-Dichloroethane	6	U
540-59-0	-----1,2-Dichloroethene (total)	6	U
67-66-3	-----Chloroform	6	U
107-06-2	-----1,2-Dichloroethane	6	U
78-93-3	-----2-Butanone	12	U
71-55-6	-----1,1,1-Trichloroethane	6	U
56-23-5	-----Carbon Tetrachloride	6	U
108-05-4	-----Vinyl Acetate	6	U
75-27-4	-----Bromodichloromethane	6	U
78-87-5	-----1,2-Dichloropropane	6	U
10061-01-5	-----cis-1,3-Dichloropropene	6	U
79-01-6	-----Trichloroethene	6	U
124-48-1	-----Dibromochloromethane	6	U
79-00-5	-----1,1,2-Trichloroethane	6	U
71-43-2	-----Benzene	6	U
10061-02-6	-----Trans-1,3-Dichloropropene	6	U
75-25-2	-----Bromoform	6	U
108-10-1	-----4-Methyl-2-Pentanone	12	U
591-78-6	-----2-Hexanone	12	U
127-18-4	-----Tetrachloroethene	6	U
79-34-5	-----1,1,2,2-Tetrachloroethane	6	U
108-88-3	-----Toluene	6	U
108-90-7	-----Chlorobenzene	6	U
100-41-4	-----Ethylbenzene	6	U
100-42-5	-----Styrene	6	U
1330-20-7	-----Total Xylenes	6	U

FORM I VOA

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1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1716

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433907  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033907B54  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 19 Date Analyzed: 07/31/91  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO:

01SB1800

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433906  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033906B54  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 16 Date Analyzed: 07/31/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	16	B
67-64-1	Acetone	15	B
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	6	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Total Xylenes	6	U

FORM I VOA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1800

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
Matrix: (soil/water) SOIL Lab Sample ID: 433906  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033906B54  
Level: (low/med) LOW Date Received: 07/27/91  
% Moisture: not dec. 16 Date Analyzed: 07/31/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO:

01SB1416MS

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433409  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033409A54  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 19 Date Analyzed: 07/30/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	12	U
74-83-9	-----Bromomethane	12	U
75-01-4	-----Vinyl Chloride	12	U
75-00-3	-----Chloroethane	12	U
75-09-2	-----Methylene Chloride	11	B
67-64-1	-----Acetone	28	B
75-15-0	-----Carbon Disulfide	6	U
75-35-4	-----1,1-Dichloroethene	6	U
75-34-3	-----1,1-Dichloroethane	6	U
540-59-0	-----1,2-Dichloroethene (total)	6	U
67-66-3	-----Chloroform	6	U
107-06-2	-----1,2-Dichloroethane	6	U
78-93-3	-----2-Butanone	12	U
71-55-6	-----1,1,1-Trichloroethane	6	U
56-23-5	-----Carbon Tetrachloride	6	U
108-05-4	-----Vinyl Acetate	6	U
75-27-4	-----Bromodichloromethane	6	U
78-87-5	-----1,2-Dichloropropane	6	U
10061-01-5	-----cis-1,3-Dichloropropene	6	U
79-01-6	-----Trichloroethene	6	U
124-48-1	-----Dibromochloromethane	6	U
79-00-5	-----1,1,2-Trichloroethane	6	U
71-43-2	-----Benzene	6	U
10061-02-6	-----Trans-1,3-Dichloropropene	6	U
75-25-2	-----Bromoform	6	U
108-10-1	-----4-Methyl-2-Pentanone	12	U
591-78-6	-----2-Hexanone	12	U
127-18-4	-----Tetrachloroethene	6	U
79-34-5	-----1,1,2,2-Tetrachloroethane	6	U
108-88-3	-----Toluene	6	U
108-90-7	-----Chlorobenzene	6	U
100-41-4	-----Ethylbenzene	6	U
100-42-5	-----Styrene	6	U
1330-20-7	-----Total Xylenes	6	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1416MSI

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433410  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH033410A54  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 19 Date Analyzed: 07/30/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	Q
74-87-3	Chloromethane	12 U
74-83-9	Bromomethane	12 U
75-01-4	Vinyl Chloride	12 U
75-00-3	Chloroethane	12 U
75-09-2	Methylene Chloride	5 BJ
67-64-1	Acetone	16 B
75-15-0	Carbon Disulfide	6 U
75-35-4	1,1-Dichloroethene	6 U
75-34-3	1,1-Dichloroethane	6 U
540-59-0	1,2-Dichloroethene (total)	6 U
67-66-3	Chloroform	6 U
107-06-2	1,2-Dichloroethane	6 U
78-93-3	2-Butanone	12 U
71-55-6	1,1,1-Trichloroethane	6 U
56-23-5	Carbon Tetrachloride	6 U
108-05-4	Vinyl Acetate	6 U
75-27-4	Bromodichloromethane	6 U
78-87-5	1,2-Dichloropropane	6 U
10061-01-5	cis-1,3-Dichloropropene	6 U
79-01-6	Trichloroethene	6 U
124-48-1	Dibromochloromethane	6 U
79-00-5	1,1,2-Trichloroethane	6 U
71-43-2	Benzene	6 U
10061-02-6	Trans-1,3-Dichloropropene	6 U
75-25-2	Bromoform	6 U
108-10-1	4-Methyl-2-Pentanone	12 U
591-78-6	2-Hexanone	12 U
127-18-4	Tetrachloroethene	6 U
79-34-5	1,1,2,2-Tetrachloroethane	6 U
108-88-3	Toluene	6 U
108-90-7	Chlorobenzene	6 U
100-41-4	Ethylbenzene	6 U
100-42-5	Styrene	6 U
1330-20-7	Total Xylenes	6 U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0913

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433896  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033896B20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 6.1 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl) Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
100-51-6	Benzyl Alcohol	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
39638-32-9	Bis(2-Chloroethyl) Ether	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy)Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0913

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433896  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033896B20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 6.1 Dilution Factor: 1.00

CONCENTRATION UNITS:

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

99-09-2-----3-Nitroaniline	1800	U
83-32-9-----Acenaphthene	370	U
51-28-5-----2,4-Dinitrophenol	1800	U
100-02-7-----4-Nitrophenol	1800	U
132-64-9-----Dibenzofuran	370	U
121-14-2-----2,4-Dinitrotoluene	370	U
84-66-2-----Diethylphthalate	370	U
7005-72-3-----4-Chlorophenyl-phenylether	370	U
86-73-7-----Fluorene	370	U
100-01-6-----4-Nitroaniline	1800	U
534-52-1-----4,6-Dinitro-2-Methylphenol	1800	U
86-30-6-----N-Nitrosodiphenylamine (1)	370	U
101-55-3-----4-Bromophenyl-phenylether	370	U
118-74-1-----Hexachlorobenzene	370	U
87-86-5-----Pentachlorophenol	1800	U
85-01-8-----Phenanthrene	370	U
120-12-7-----Anthracene	370	U
84-74-2-----Di-n-Butylphthalate	370	U
206-44-0-----Fluoranthene	370	U
129-00-0-----Pyrene	370	U
85-68-7-----Butylbenzylphthalate	370	U
91-94-1-----3,3'-Dichlorobenzidine	730	U
56-55-3-----Benzo(a)Anthracene	370	U
218-01-9-----Chrysene	370	U
117-81-7-----bis(2-Ethylhexyl)Phthalate	130	BJ
117-84-0-----Di-n-Octyl Phthalate	370	U
205-99-2-----Benzo(b)Fluoranthene	370	U
207-08-9-----Benzo(k)Fluoranthene	370	U
50-32-8-----Benzo(a)Pyrene	370	U
193-39-5-----Indeno(1,2,3-cd)Pyrene	370	U
53-70-3-----Dibenzo(a,h)Anthracene	370	U
191-24-2-----Benzo(g,h,i)Perylene	370	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB0913

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433896  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033896B20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 6.1 Dilution Factor: 1.00

Number TICs found: 3 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	4.93	300	BJ
2.	SOLVENT CONTAMINANT	5.02	220	BJ
3.	ALDOL	6.03	220	AJ

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.:

01SB1000

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433899  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ033899B21  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 3 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/06/91  
 GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl) Ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
100-51-6	Benzyl Alcohol	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
39638-32-9	Bis(2-Chloroethyl) Ether	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-Di-n-Propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
65-85-0	Benzoic Acid	1600	U
111-91-1	bis(2-Chloroethoxy) Methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl Phthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1000

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433899  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ033899B21  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 3 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/06/91  
 GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	340	U
51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	340	U
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
84-74-2	Di-n-Butylphthalate	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	680	U
56-55-3	Benzo(a)Anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)Phthalate	160	BJ
117-84-0	Di-n-Octyl Phthalate	340	U
205-99-2	Benzo(b)Fluoranthene	340	U
207-08-9	Benzo(k)Fluoranthene	340	U
50-32-8	Benzo(a)Pyrene	340	U
193-39-5	Indeno(1,2,3-cd)Pyrene	340	U
53-70-3	Dibenzo(a,h)Anthracene	340	U
191-24-2	Benzo(g,h,i)Perylene	340	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1000

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433899  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ033899B21  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 3 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/06/91  
 GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

Number TICs found: 6 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.05	690	BJ
2.	ALDOL	5.67	510	AJ
3.	ALDOL	5.77	930	BAJ
4.	UNKNOWN	6.12	340	J
5.	UNKNOWN	6.70	270	J
6.	UNKNOWN	14.12	380	J



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1100

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433897  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033897B20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 4 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl) Ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
100-51-6	Benzyl Alcohol	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
39638-32-9	Bis(2-Chloroethyl) Ether	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-Di-n-Propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
65-85-0	Benzoic Acid	1700	U
111-91-1	bis(2-Chloroethoxy) Methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethyl Phthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U

FORM I SV-1

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1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1100

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433897  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033897B20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 4 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	340	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	340	U
121-14-2-----	2,4-Dinitrotoluene	340	U
84-66-2-----	Diethylphthalate	340	U
7005-72-3-----	4-Chlorophenyl-phenylether	340	U
86-73-7-----	Fluorene	340	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	340	U
101-55-3-----	4-Bromophenyl-phenylether	340	U
118-74-1-----	Hexachlorobenzene	340	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	340	U
120-12-7-----	Anthracene	340	U
84-74-2-----	Di-n-Butylphthalate	41	BJ
206-44-0-----	Fluoranthene	340	U
129-00-0-----	Pyrene	340	U
85-68-7-----	Butylbenzylphthalate	340	U
91-94-1-----	3,3'-Dichlorobenzidine	690	U
56-55-3-----	Benzo(a)Anthracene	340	U
218-01-9-----	Chrysene	340	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	110	BJ
117-84-0-----	Di-n-Octyl Phthalate	340	U
205-99-2-----	Benzo(b)Fluoranthene	340	U
207-08-9-----	Benzo(k)Fluoranthene	340	U
50-32-8-----	Benzo(a)Pyrene	340	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	340	U
53-70-3-----	Dibenzo(a,h)Anthracene	340	U
191-24-2-----	Benzo(g,h,i)Perylene	340	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO:

01SB1100

Lab Name: COMPUCHEM RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433897  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033897B20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 4 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

Number TICs found: 16

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	4.92	210	BJ
2.	SOLVENT CONTAMINANT	5.02	240	BJ
3.	UNKNOWN	5.80	870	J
4.	ALDOL	6.02	240	AJ
5.	ALDOL	6.50	210	AJ
6.	BLANK CONTAMINANT	18.55	690	BJ
7.	UNKNOWN	18.69	69	J
8.	UNKNOWN	18.79	240	J
9.	UNKNOWN	18.95	170	J
10.	UNKNOWN	19.04	620	J
11.	UNKNOWN	19.30	240	J
12.	UNKNOWN	19.40	140	J
13.	UNKNOWN	20.50	350	J
14.	UNKNOWN	21.22	240	J
15.	UNKNOWN	21.30	210	J
16.	UNKNOWN	22.12	310	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1116

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433898  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033898C21  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 4 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl) Ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
100-51-6	Benzyl Alcohol	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
39638-32-9	Bis(2-Chloroethyl) Ether	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-Di-n-Propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
65-85-0	Benzoic Acid	1700	U
111-91-1	bis(2-Chloroethoxy) Methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethyl Phthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U

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1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1116

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433898  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033898C21  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 4 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	340	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	340	U
121-14-2-----	2,4-Dinitrotoluene	340	U
84-66-2-----	Diethylphthalate	340	U
7005-72-3-----	4-Chlorophenyl-phenylether	340	U
86-73-7-----	Fluorene	340	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	340	U
101-55-3-----	4-Bromophenyl-phenylether	340	U
118-74-1-----	Hexachlorobenzene	340	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	340	U
120-12-7-----	Anthracene	340	U
84-74-2-----	Di-n-Butylphthalate	340	U
206-44-0-----	Fluoranthene	340	U
129-00-0-----	Pyrene	340	U
85-68-7-----	Butylbenzylphthalate	340	U
91-94-1-----	3,3'-Dichlorobenzidine	690	U
56-55-3-----	Benzo(a)Anthracene	340	U
218-01-9-----	Chrysene	340	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	46	BJ
117-84-0-----	Di-n-Octyl Phthalate	340	U
205-99-2-----	Benzo(b) Fluoranthene	340	U
207-08-9-----	Benzo(k) Fluoranthene	340	U
50-32-8-----	Benzo(a) Pyrene	340	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	340	U
53-70-3-----	Dibenzo(a,h) Anthracene	340	U
191-24-2-----	Benzo(g,h,i) Perylene	340	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1116

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433898  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033898C21  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 4 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

Number TICs found: 5 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.08	690	BJ
2.	ALDOL	5.70	620	AJ
3.	ALDOL	5.80	660	BAJ
4.	ALDOL	6.15	310	AJ
5.	UNKNOWN	6.73	210	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1216

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433406  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033406C21  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 20 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) N pH: 6.3 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl) Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
100-51-6	Benzyl Alcohol	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
39638-32-9	Bis(2-Chloroethyl) Ether	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-Di-n-Propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
65-85-0	Benzoic Acid	2000	U
111-91-1	bis(2-Chloroethoxy) Methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethyl Phthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U

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1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1216

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433406  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033406C21  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 20 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) N pH: 6.3 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

99-09-2-----	3-Nitroaniline	2000	U
83-32-9-----	Acenaphthene	410	U
51-28-5-----	2,4-Dinitrophenol	2000	U
100-02-7-----	4-Nitrophenol	2000	U
132-64-9-----	Dibenzofuran	410	U
121-14-2-----	2,4-Dinitrotoluene	410	U
84-66-2-----	Diethylphthalate	410	U
7005-72-3-----	4-Chlorophenyl-phenylether	410	U
86-73-7-----	Fluorene	410	U
100-01-6-----	4-Nitroaniline	2000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	2000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	410	U
101-55-3-----	4-Bromophenyl-phenylether	410	U
118-74-1-----	Hexachlorobenzene	410	U
87-86-5-----	Pentachlorophenol	2000	U
85-01-8-----	Phenanthrene	410	U
120-12-7-----	Anthracene	410	U
84-74-2-----	Di-n-Butylphthalate	410	U
206-44-0-----	Fluoranthene	410	U
129-00-0-----	Pyrene	410	U
85-68-7-----	Butylbenzylphthalate	410	U
91-94-1-----	3,3'-Dichlorobenzidine	820	U
56-55-3-----	Benzo(a)Anthracene	410	U
218-01-9-----	Chrysene	410	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	420	B
117-84-0-----	Di-n-Octyl Phthalate	410	U
205-99-2-----	Benzo(b)Fluoranthene	410	U
207-08-9-----	Benzo(k)Fluoranthene	410	U
50-32-8-----	Benzo(a)Pyrene	410	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	410	U
53-70-3-----	Dibenzo(a,h)Anthracene	410	U
191-24-2-----	Benzo(g,h,i)Perylene	410	U

(1) - Cannot be separated from Diphenylamine



1F  
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1216

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433406  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033406C21  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 20 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) N pH: 6.3 Dilution Factor: 1.00

Number TICs found: 4

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.08	580	BJ
2.	ALDOL	5.80	670	BAJ
3.	ALDOL	6.15	210	AJ
4.	ALDOL	6.73	210	AJ

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1400

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433404  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033404C21  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl) Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
100-51-6	Benzyl Alcohol	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
39638-32-9	Bis(2-Chloroethyl) Ether	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-Di-n-Propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
65-85-0	Benzoic Acid	1700	U
111-91-1	bis(2-Chloroethoxy) Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethyl Phthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1400

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433404  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033404C21  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CONCENTRATION UNITS:

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

99-09-2-----3-Nitroaniline	1700	U
83-32-9-----Acenaphthene	360	U
51-28-5-----2,4-Dinitrophenol	1700	U
100-02-7-----4-Nitrophenol	1700	U
132-64-9-----Dibenzofuran	360	U
121-14-2-----2,4-Dinitrotoluene	360	U
84-66-2-----Diethylphthalate	360	U
7005-72-3-----4-Chlorophenyl-phenylether	360	U
86-73-7-----Fluorene	360	U
100-01-6-----4-Nitroaniline	1700	U
534-52-1-----4,6-Dinitro-2-Methylphenol	1700	U
86-30-6-----N-Nitrosodiphenylamine (1)	360	U
101-55-3-----4-Bromophenyl-phenylether	360	U
118-74-1-----Hexachlorobenzene	360	U
87-86-5-----Pentachlorophenol	1700	U
85-01-8-----Phenanthrene	360	U
120-12-7-----Anthracene	360	U
84-74-2-----Di-n-Butylphthalate	360	U
206-44-0-----Fluoranthene	360	U
129-00-0-----Pyrene	360	U
85-68-7-----Butylbenzylphthalate	360	U
91-94-1-----3,3'-Dichlorobenzidine	720	U
56-55-3-----Benzo(a)Anthracene	360	U
218-01-9-----Chrysene	360	U
117-81-7-----bis(2-Ethylhexyl) Phthalate	220	BJ
117-84-0-----Di-n-Octyl Phthalate	360	U
205-99-2-----Benzo(b) Fluoranthene	360	U
207-08-9-----Benzo(k) Fluoranthene	360	U
50-32-8-----Benzo(a) Pyrene	360	U
193-39-5-----Indeno(1,2,3-cd) Pyrene	360	U
53-70-3-----Dibenzo(a,h) Anthracene	360	U
191-24-2-----Benzo(g,h,i) Perylene	360	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1400

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433404  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033404C21  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

Number TICs found: 22

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL	5.82	2400	BAJ
2.	ALDOL	6.17	580	AJ
3.	UNKNOWN HYDROCARBON	10.70	4300	J
4.	UNKNOWN HYDROCARBON	11.22	2500	J
5.	UNKNOWN HYDROCARBON	11.60	1600	J
6.	UNKNOWN HYDROCARBON	11.65	3600	J
7.	UNKNOWN HYDROCARBON	12.02	1900	J
8.	UNKNOWN HYDROCARBON	12.09	2000	J
9.	UNKNOWN HYDROCARBON	12.42	3100	J
10.	UNKNOWN HYDROCARBON	12.65	1700	J
11.	UNKNOWN HYDROCARBON	12.69	1100	J
12.	UNKNOWN HYDROCARBON	12.80	2600	J
13.	UNKNOWN HYDROCARBON	13.09	3100	J
14.	UNKNOWN HYDROCARBON	13.45	3300	J
15.	UNKNOWN HYDROCARBON	13.57	3000	J
16.	UNKNOWN	13.90	2500	J
17.	UNKNOWN HYDROCARBON	14.07	1800	J
18.	UNKNOWN HYDROCARBON	14.40	1400	J
19.	UNKNOWN HYDROCARBON	14.44	1800	J
20.	UNKNOWN HYDROCARBON	14.74	2600	J
21.	UNKNOWN HYDROCARBON	15.45	15000	J
22.	UNKNOWN	16.09	16000	J

FORM I SV-TIC

1/87 Rev.

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1416

Lab Name: COMPUCHEM.RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433407  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033407C21  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) Y pH: 6.2 Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl) Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
100-51-6	Benzyl Alcohol	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
39638-32-9	Bis(2-Chloroethyl) Ether	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-Di-n-Propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy) Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1416

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433407  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033407C21  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) Y pH: 6.2 Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	360	U
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
84-74-2	Di-n-Butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	730	U
56-55-3	Benzo(a)Anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)Phthalate	110	BJ
117-84-0	Di-n-Octyl Phthalate	360	U
205-99-2	Benzo(b)Fluoranthene	360	U
207-08-9	Benzo(k)Fluoranthene	360	U
50-32-8	Benzo(a)Pyrene	360	U
193-39-5	Indeno(1,2,3-cd)Pyrene	360	U
53-70-3	Dibenzo(a,h)Anthracene	360	U
191-24-2	Benzo(g,h,i)Perylene	360	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO:

01SB1416

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433407  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033407C21  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) Y pH: 6.2 Dilution Factor: 0.50

Number TICs found: 6

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.05	800	BJ
2.	ALDOL	5.67	800	AJ
3.	ALDOL	5.77	990	BAJ
4.	ALDOL	6.13	370	AJ
5.	ALDOL	6.33	330	AJ
6.	UNKNOWN	14.15	260	J

FORM I SV-TIC

1/87 Rev.

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1500

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433902  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033902A20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 4.8 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl) Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
100-51-6	Benzyl Alcohol	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
39638-32-9	Bis(2-Chloroethyl) Ether	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-Di-n-Propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy) Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U

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1/87 Rev.



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1500

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433902  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033902A20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 4.8 Dilution Factor: 1.00

CONCENTRATION UNITS:

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

99-09-2-----3-Nitroaniline	1800	U
83-32-9-----Acenaphthene	360	U
51-28-5-----2,4-Dinitrophenol	1800	U
100-02-7-----4-Nitrophenol	1800	U
132-64-9-----Dibenzofuran	360	U
121-14-2-----2,4-Dinitrotoluene	360	U
84-66-2-----Diethylphthalate	360	U
7005-72-3-----4-Chlorophenyl-phenylether	360	U
86-73-7-----Fluorene	360	U
100-01-6-----4-Nitroaniline	1800	U
534-52-1-----4,6-Dinitro-2-Methylphenol	1800	U
86-30-6-----N-Nitrosodiphenylamine (1)	360	U
101-55-3-----4-Bromophenyl-phenylether	360	U
118-74-1-----Hexachlorobenzene	360	U
87-86-5-----Pentachlorophenol	1800	U
85-01-8-----Phenanthrene	360	U
120-12-7-----Anthracene	360	U
84-74-2-----Di-n-Butylphthalate	63	BJ
206-44-0-----Fluoranthene	360	U
129-00-0-----Pyrene	360	U
85-68-7-----Butylbenzylphthalate	360	U
91-94-1-----3,3'-Dichlorobenzidine	730	U
56-55-3-----Benzo(a)Anthracene	360	U
218-01-9-----Chrysene	360	U
117-81-7-----bis(2-Ethylhexyl) Phthalate	70	BJ
117-84-0-----Di-n-Octyl Phthalate	360	U
205-99-2-----Benzo(b) Fluoranthene	360	U
207-08-9-----Benzo(k) Fluoranthene	360	U
50-32-8-----Benzo(a) Pyrene	360	U
193-39-5-----Indeno(1,2,3-cd) Pyrene	360	U
53-70-3-----Dibenzo(a,h)Anthracene	360	U
191-24-2-----Benzo(g,h,i) Perylene	360	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1500

Lab Name: COMPUCHEM RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433902  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033902A20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 4.8 Dilution Factor: 1.00

Number TICs found: 2

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.00	330	BJ
2. 52896-87-4	HEPTANE, 4-(1-METHYLETHYL)-	5.07	260	BJ

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1500D

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433900  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033900C21  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) N pH: 4.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl) Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
100-51-6	Benzyl Alcohol	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
39638-32-9	Bis(2-Chloroethyl) Ether	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-Di-n-Propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy)Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO:

01SB1500D

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433900  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033900C21  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) N pH: 4.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	360	U
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
84-74-2	Di-n-Butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	730	U
56-55-3	Benzo(a)Anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)Phthalate	40	BJ
117-84-0	Di-n-Octyl Phthalate	360	U
205-99-2	Benzo(b)Fluoranthene	360	U
207-08-9	Benzo(k)Fluoranthene	360	U
50-32-8	Benzo(a)Pyrene	360	U
193-39-5	Indeno(1,2,3-cd)Pyrene	360	U
53-70-3	Dibenzo(a,h)Anthracene	360	U
191-24-2	Benzo(g,h,i)Perylene	360	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1500D

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433900  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033900C21  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) N pH: 4.8 Dilution Factor: 1.00

Number TICs found: 5 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.08	660	BJ
2.	UNKNOWN	5.70	770	J
3.	ALDOL	5.80	1000	BAJ
4.	ALDOL	6.15	220	AJ
5.	ALDOL	6.37	400	AJ

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1516

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433901  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033901C21  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 15 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl) Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
100-51-6	Benzyl Alcohol	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
39638-32-9	Bis(2-Chloroethyl) Ether	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
65-85-0	Benzoic Acid	1900	U
111-91-1	bis(2-Chloroethoxy) Methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	1900	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethyl Phthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1516

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433901  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033901C21  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 15 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2-----	3-Nitroaniline	1900	U
83-32-9-----	Acenaphthene	390	U
51-28-5-----	2,4-Dinitrophenol	1900	U
100-02-7-----	4-Nitrophenol	1900	U
132-64-9-----	Dibenzofuran	390	U
121-14-2-----	2,4-Dinitrotoluene	390	U
84-66-2-----	Diethylphthalate	390	U
7005-72-3-----	4-Chlorophenyl-phenylether	390	U
86-73-7-----	Fluorene	390	U
100-01-6-----	4-Nitroaniline	1900	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1900	U
86-30-6-----	N-Nitrosodiphenylamine (1)	390	U
101-55-3-----	4-Bromophenyl-phenylether	390	U
118-74-1-----	Hexachlorobenzene	390	U
87-86-5-----	Pentachlorophenol	1900	U
85-01-8-----	Phenanthrene	390	U
120-12-7-----	Anthracene	390	U
84-74-2-----	Di-n-Butylphthalate	390	U
206-44-0-----	Fluoranthene	390	U
129-00-0-----	Pyrene	390	U
85-68-7-----	Butylbenzylphthalate	390	U
91-94-1-----	3,3'-Dichlorobenzidine	780	U
56-55-3-----	Benzo(a)Anthracene	390	U
218-01-9-----	Chrysene	390	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	390	U
117-84-0-----	Di-n-Octyl Phthalate	390	U
205-99-2-----	Benzo(b) Fluoranthene	390	U
207-08-9-----	Benzo(k) Fluoranthene	390	U
50-32-8-----	Benzo(a) Pyrene	390	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	390	U
53-70-3-----	Dibenzo(a,h) Anthracene	390	U
191-24-2-----	Benzo(g,h,i) Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1516

Lab Name: COMPUCHEM.RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433901  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033901C21  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 15 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

Number TICs found: 4

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.08	740	BJ
2.	ALDOL	5.80	820	BAJ
3.	UNKNOWN	6.15	240	J
4.	ALDOL	6.37	200	AJ

FORM I SV-TIC

1/87 Rev.



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO:

01SB1600

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433905  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033905B20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 5 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl) Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
100-51-6	Benzyl Alcohol	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
39638-32-9	Bis(2-Chloroethyl) Ether	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
65-85-0	Benzoic Acid	1700	U
111-91-1	bis(2-Chloroethoxy) Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethyl Phthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1600

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433905  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033905B20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 5 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	350	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	350	U
121-14-2-----	2,4-Dinitrotoluene	350	U
84-66-2-----	Diethylphthalate	350	U
7005-72-3-----	4-Chlorophenyl-phenylether	350	U
86-73-7-----	Fluorene	350	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	350	U
101-55-3-----	4-Bromophenyl-phenylether	350	U
118-74-1-----	Hexachlorobenzene	350	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	350	U
120-12-7-----	Anthracene	350	U
84-74-2-----	Di-n-Butylphthalate	40	BJ
206-44-0-----	Fluoranthene	350	U
129-00-0-----	Pyrene	350	U
85-68-7-----	Butylbenzylphthalate	350	U
91-94-1-----	3,3'-Dichlorobenzidine	690	U
56-55-3-----	Benzo(a)Anthracene	350	U
218-01-9-----	Chrysene	350	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	72	BJ
117-84-0-----	Di-n-Octyl Phthalate	350	U
205-99-2-----	Benzo(b)Fluoranthene	350	U
207-08-9-----	Benzo(k)Fluoranthene	350	U
50-32-8-----	Benzo(a)Pyrene	350	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	350	U
53-70-3-----	Dibenzo(a,h)Anthracene	350	U
191-24-2-----	Benzo(g,h,i)Perylene	350	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1600

Lab Name: COMPUCHEM.RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433905  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033905B20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 5 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

Number TICs found: 24

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	4.98	250	BJ
2.	SOLVENT CONTAMINANT	5.07	180	BJ
3.	ALDOL	6.08	250	BAJ
4.	ALDOL	6.57	180	AJ
5.	UNKNOWN	8.45	350	J
6.	UNKNOWN	13.12	910	J
7.	UNKNOWN	14.25	770	J
8.	UNKNOWN	17.89	1100	J
9.	UNKNOWN HYDROCARBON	18.29	530	J
10.	UNKNOWN	18.70	770	J
11.	UNKNOWN HYDROCARBON	18.95	320	J
12.	UNKNOWN	19.20	350	J
13.	UNKNOWN	19.30	250	J
14.	UNKNOWN	19.50	280	J
15.	UNKNOWN	19.92	320	J
16.	UNKNOWN HYDROCARBON	20.30	110	J
17.	UNKNOWN HYDROCARBON	20.82	560	J
18.	UNKNOWN HYDROCARBON	21.30	350	J
19.	UNKNOWN	21.54	350	J
20.	UNKNOWN	21.65	600	J
21.	UNKNOWN	22.49	210	J
22.	UNKNOWN	22.55	180	J
23.	UNKNOWN HYDROCARBON	22.74	140	J
24.	UNKNOWN HYDROCARBON	23.62	180	J

FORM I SV-TIC

1/87 Rev.

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1616

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433903  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033903A20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 16 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 5.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl) Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
100-51-6	Benzyl Alcohol	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
39638-32-9	Bis(2-Chloroethyl) Ether	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
65-85-0	Benzoic Acid	1900	U
111-91-1	bis(2-Chloroethoxy) Methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	1900	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethyl Phthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U

FORM I SV-1

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1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1616

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433903  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033903A20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 16 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 5.3 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2	3-Nitroaniline	1900	U
83-32-9	Acenaphthene	390	U
51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-Methylphenol	1900	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	790	U
56-55-3	Benzo(a)Anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl) Phthalate	63	BJ
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b) Fluoranthene	390	U
207-08-9	Benzo(k) Fluoranthene	390	U
50-32-8	Benzo(a) Pyrene	390	U
193-39-5	Indeno(1,2,3-cd) Pyrene	390	U
53-70-3	Dibenzo(a,h) Anthracene	390	U
191-24-2	Benzo(g,h,i) Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO:

01SB1616

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433903  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033903A20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 16 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 5.3 Dilution Factor: 1.00

Number TICs found: 3 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.03	360	BJ
2.	SOLVENT CONTAMINANT	5.10	280	BJ
3.	ALDOL	6.13	160	BAJ

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1700

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433904  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033904A20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl) Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
100-51-6	Benzyl Alcohol	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
39638-32-9	Bis(2-Chloroethyl) Ether	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-Di-n-Propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
65-85-0	Benzoic Acid	1700	U
111-91-1	bis(2-Chloroethoxy) Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethyl Phthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U

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1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1700

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433904  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033904A20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CONCENTRATION UNITS:

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

99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	360	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	360	U
121-14-2-----	2,4-Dinitrotoluene	360	U
84-66-2-----	Diethylphthalate	360	U
7005-72-3-----	4-Chlorophenyl-phenylether	360	U
86-73-7-----	Fluorene	360	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	360	U
101-55-3-----	4-Bromophenyl-phenylether	360	U
118-74-1-----	Hexachlorobenzene	360	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	360	U
120-12-7-----	Anthracene	360	U
84-74-2-----	Di-n-Butylphthalate	37	BJ
206-44-0-----	Fluoranthene	360	U
129-00-0-----	Pyrene	360	U
85-68-7-----	Butylbenzylphthalate	360	U
91-94-1-----	3,3'-Dichlorobenzidine	720	U
56-55-3-----	Benzo(a)Anthracene	360	U
218-01-9-----	Chrysene	360	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	52	BJ
117-84-0-----	Di-n-Octyl Phthalate	360	U
205-99-2-----	Benzo(b) Fluoranthene	360	U
207-08-9-----	Benzo(k) Fluoranthene	360	U
50-32-8-----	Benzo(a) Pyrene	360	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	360	U
53-70-3-----	Dibenzo(a,h) Anthracene	360	U
191-24-2-----	Benzo(g,h,i) Perylene	360	U

(1) - Cannot be separated from Diphenylamine

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1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1700

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433904  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033904A20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

Number TICs found: 3 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	4.98	360	BJ
2.	SOLVENT CONTAMINANT	5.07	250	BJ
3.	ALDOL	6.08	250	BAJ

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1716

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433907  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033907B20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 19 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 6.1 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl) Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
100-51-6	Benzyl Alcohol	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
39638-32-9	Bis(2-Chloroethyl) Ether	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-Di-n-Propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
65-85-0	Benzoic Acid	2000	U
111-91-1	bis(2-Chloroethoxy) Methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethyl Phthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U

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1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO:

01SB1716

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433907  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033907B20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 19 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 6.1 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2-----	3-Nitroaniline	2000	U
83-32-9-----	Acenaphthene	410	U
51-28-5-----	2,4-Dinitrophenol	2000	U
100-02-7-----	4-Nitrophenol	2000	U
132-64-9-----	Dibenzofuran	410	U
121-14-2-----	2,4-Dinitrotoluene	410	U
84-66-2-----	Diethylphthalate	410	U
7005-72-3-----	4-Chlorophenyl-phenylether	410	U
86-73-7-----	Fluorene	410	U
100-01-6-----	4-Nitroaniline	2000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	2000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	410	U
101-55-3-----	4-Bromophenyl-phenylether	410	U
118-74-1-----	Hexachlorobenzene	410	U
87-86-5-----	Pentachlorophenol	2000	U
85-01-8-----	Phenanthrene	410	U
120-12-7-----	Anthracene	410	U
84-74-2-----	Di-n-Butylphthalate	410	U
206-44-0-----	Fluoranthene	410	U
129-00-0-----	Pyrene	410	U
85-68-7-----	Butylbenzylphthalate	410	U
91-94-1-----	3,3'-Dichlorobenzidine	820	U
56-55-3-----	Benzo(a)Anthracene	410	U
218-01-9-----	Chrysene	410	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	78	BJ
117-84-0-----	Di-n-Octyl Phthalate	410	U
205-99-2-----	Benzo(b)Fluoranthene	410	U
207-08-9-----	Benzo(k)Fluoranthene	410	U
50-32-8-----	Benzo(a)Pyrene	860	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	410	U
53-70-3-----	Dibenzo(a,h)Anthracene	410	U
191-24-2-----	Benzo(g,h,i)Perylene	410	U

(1) - Cannot be separated from Diphenylamine

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1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1716

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433907  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033907B20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 19 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 6.1 Dilution Factor: 1.00

Number TICs found: 21 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL	6.08	490	BAJ
2. 10544-50-0	SULFUR, MOL. (S8)	11.50	950	J
3.	UNKNOWN	14.80	4900	J
4.	UNKNOWN HYDROCARBON	15.04	1700	J
5.	UNKNOWN HYDROCARBON	16.12	1600	J
6.	UNKNOWN HYDROCARBON	16.64	3000	J
7.	UNKNOWN	17.15	6200	J
8.	UNKNOWN HYDROCARBON	17.24	2500	J
9.	UNKNOWN HYDROCARBON	17.72	3700	J
10.	UNKNOWN HYDROCARBON	18.09	2700	J
11.	UNKNOWN HYDROCARBON	18.22	12000	J
12.	UNKNOWN HYDROCARBON	18.80	3300	J
13.	UNKNOWN HYDROCARBON	19.30	2700	J
14.	UNKNOWN HYDROCARBON	19.50	4100	J
15.	UNKNOWN HYDROCARBON	20.34	1700	J
16.	UNKNOWN HYDROCARBON	21.05	2500	J
17.	UNKNOWN HYDROCARBON	21.39	3400	J
18.	UNKNOWN	23.57	2700	J
19.	UNKNOWN HYDROCARBON	24.19	2000	J
20.	UNKNOWN	25.12	5300	J
21.	UNKNOWN	25.72	1500	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1800

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21

Matrix: (soil/water) SOIL Lab Sample ID: 433906

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033906B20

Level: (low/med) LOW Date Received: 07/27/91

% Moisture: not dec. 16 dec. \_\_\_\_\_ Date Extracted: 07/31/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91

GPC Cleanup: (Y/N) N pH: 5.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl) Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
100-51-6	Benzyl Alcohol	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
39638-32-9	Bis(2-Chloroethyl) Ether	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
65-85-0	Benzoic Acid	1900	U
111-91-1	bis(2-Chloroethoxy)Methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	1900	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethyl Phthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U

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1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1800

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433906  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033906B20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 16 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 5.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2-----	3-Nitroaniline	1900	U
83-32-9-----	Acenaphthene	390	U
51-28-5-----	2,4-Dinitrophenol	1900	U
100-02-7-----	4-Nitrophenol	1900	U
132-64-9-----	Dibenzofuran	390	U
121-14-2-----	2,4-Dinitrotoluene	390	U
84-66-2-----	Diethylphthalate	390	U
7005-72-3-----	4-Chlorophenyl-phenylether	390	U
86-73-7-----	Fluorene	390	U
100-01-6-----	4-Nitroaniline	1900	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1900	U
86-30-6-----	N-Nitrosodiphenylamine (1)	390	U
101-55-3-----	4-Bromophenyl-phenylether	390	U
118-74-1-----	Hexachlorobenzene	390	U
87-86-5-----	Pentachlorophenol	1900	U
85-01-8-----	Phenanthrene	390	U
120-12-7-----	Anthracene	390	U
84-74-2-----	Di-n-Butylphthalate	390	U
206-44-0-----	Fluoranthene	390	U
129-00-0-----	Pyrene	390	U
85-68-7-----	Butylbenzylphthalate	390	U
91-94-1-----	3,3'-Dichlorobenzidine	790	U
56-55-3-----	Benzo(a)Anthracene	390	U
218-01-9-----	Chrysene	390	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	90	BJ
117-84-0-----	Di-n-Octyl Phthalate	390	U
205-99-2-----	Benzo(b)Fluoranthene	390	U
207-08-9-----	Benzo(k)Fluoranthene	390	U
50-32-8-----	Benzo(a)Pyrene	390	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	390	U
53-70-3-----	Dibenzo(a,h)Anthracene	390	U
191-24-2-----	Benzo(g,h,i)Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1800

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433906  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033906B20  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 16 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 5.9 Dilution Factor: 1.00

Number TICs found: 4

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	5.02	400	BJ
2.	SOLVENT CONTAMINANT	5.10	320	BJ
3.	ALDOL	6.12	400	BAJ
4.	UNKNOWN HYDROCARBON	18.72	280	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1216MSD

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433413  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033413C21  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 20 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) N pH: 6.3 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl) Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
100-51-6	Benzyl Alcohol	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
39638-32-9	Bis(2-Chloroethyl) Ether	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-Di-n-Propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
65-85-0	Benzoic Acid	2000	U
111-91-1	bis(2-Chloroethoxy)Methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethyl Phthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U

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1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1216MSD

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433413  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033413C21  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 20 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) N pH: 6.3 Dilution Factor: 1.00

CONCENTRATION UNITS:

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

99-09-2-----3-Nitroaniline	2000	U
83-32-9-----Acenaphthene	410	U
51-28-5-----2,4-Dinitrophenol	2000	U
100-02-7-----4-Nitrophenol	2000	U
132-64-9-----Dibenzofuran	410	U
121-14-2-----2,4-Dinitrotoluene	410	U
84-66-2-----Diethylphthalate	410	U
7005-72-3-----4-Chlorophenyl-phenylether	410	U
86-73-7-----Fluorene	410	U
100-01-6-----4-Nitroaniline	2000	U
534-52-1-----4,6-Dinitro-2-Methylphenol	2000	U
86-30-6-----N-Nitrosodiphenylamine (1)	410	U
101-55-3-----4-Bromophenyl-phenylether	410	U
118-74-1-----Hexachlorobenzene	410	U
87-86-5-----Pentachlorophenol	2000	U
85-01-8-----Phenanthrene	410	U
120-12-7-----Anthracene	410	U
84-74-2-----Di-n-Butylphthalate	410	U
206-44-0-----Fluoranthene	410	U
129-00-0-----Pyrene	410	U
85-68-7-----Butylbenzylphthalate	410	U
91-94-1-----3,3'-Dichlorobenzidine	820	U
56-55-3-----Benzo(a)Anthracene	410	U
218-01-9-----Chrysene	410	U
117-81-7-----bis(2-Ethylhexyl) Phthalate	370	BJ
117-84-0-----Di-n-Octyl Phthalate	410	U
205-99-2-----Benzo(b) Fluoranthene	410	U
207-08-9-----Benzo(k) Fluoranthene	410	U
50-32-8-----Benzo(a) Pyrene	410	U
193-39-5-----Indeno(1,2,3-cd) Pyrene	410	U
53-70-3-----Dibenzo(a,h)Anthracene	410	U
191-24-2-----Benzo(g,h,i) Perylene	410	U

(1) - Cannot be separated from Diphenylamine

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1216MSD

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433413  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033413C21  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 20 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) N pH: 6.3 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl) Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
100-51-6	Benzyl Alcohol	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
39638-32-9	Bis(2-Chloroethyl) Ether	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-Di-n-Propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
65-85-0	Benzoic Acid	2000	U
111-91-1	bis(2-Chloroethoxy) Methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethyl Phthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U

FORM I SV-1

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1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO:

01SB1216MSD

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433413  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH033413C21  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 20 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/91  
 GPC Cleanup: (Y/N) N pH: 6.3 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2-----	3-Nitroaniline	2000	U
83-32-9-----	Acenaphthene	410	U
51-28-5-----	2,4-Dinitrophenol	2000	U
100-02-7-----	4-Nitrophenol	2000	U
132-64-9-----	Dibenzofuran	410	U
121-14-2-----	2,4-Dinitrotoluene	410	U
84-66-2-----	Diethylphthalate	410	U
7005-72-3-----	4-Chlorophenyl-phenylether	410	U
86-73-7-----	Fluorene	410	U
100-01-6-----	4-Nitroaniline	2000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	2000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	410	U
101-55-3-----	4-Bromophenyl-phenylether	410	U
118-74-1-----	Hexachlorobenzene	410	U
87-86-5-----	Pentachlorophenol	2000	U
85-01-8-----	Phenanthrene	410	U
120-12-7-----	Anthracene	410	U
84-74-2-----	Di-n-Butylphthalate	410	U
206-44-0-----	Fluoranthene	410	U
129-00-0-----	Pyrene	410	U
85-68-7-----	Butylbenzylphthalate	410	U
91-94-1-----	3,3'-Dichlorobenzidine	820	U
56-55-3-----	Benzo(a)Anthracene	410	U
218-01-9-----	Chrysene	410	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	370	BJ
117-84-0-----	Di-n-Octyl Phthalate	410	U
205-99-2-----	Benzo(b)Fluoranthene	410	U
207-08-9-----	Benzo(k)Fluoranthene	410	U
50-32-8-----	Benzo(a)Pyrene	410	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	410	U
53-70-3-----	Dibenzo(a,h)Anthracene	410	U
191-24-2-----	Benzo(g,h,i)Perylene	410	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB0913

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21

Matrix: (soil/water) SOIL Lab Sample ID: 433896

Sample wt/vol: 30.6 (g/mL) G Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Received: 07/27/91

% Moisture: not dec. 10 dec. \_\_\_\_\_ Date Extracted: 07/30/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91

GPC Cleanup: (Y/N) N pH: 6.1 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.7	U
319-85-7	beta-BHC	8.7	U
319-86-8	delta-BHC	8.7	U
58-89-9	gamma-BHC	8.7	U
76-44-8	Heptachlor	8.7	U
309-00-2	Aldrin	8.7	U
1024-57-3	Heptachlor epoxide	8.7	U
959-98-8	Endosulfan I	8.7	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	87	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	87	U
5103-74-2	gamma-Chlordane	87	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	87	U
53469-21-9	Aroclor-1242	87	U
12672-29-6	Aroclor-1248	87	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1000

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21

Matrix: (soil/water) SOIL Lab Sample ID: 433899

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 07/27/91

% Moisture: not dec. 3 dec. \_\_\_\_\_

Date Extracted: 08/01/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/02/91

GPC Cleanup: (Y/N) N pH: 7.2

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.2	U
319-85-7	beta-BHC	8.2	U
319-86-8	delta-BHC	8.2	U
58-89-9	gamma-BHC	8.2	U
76-44-8	Heptachlor	8.2	U
309-00-2	Aldrin	8.2	U
1024-57-3	Heptachlor epoxide	8.2	U
959-98-8	Endosulfan I	8.2	U
60-57-1	Dieldrin	16	U
72-55-9	4,4'-DDE	16	U
72-20-8	Endrin	16	U
33213-65-9	Endosulfan II	16	U
72-54-8	4,4'-DDD	16	U
1031-07-8	Endosulfan sulfate	16	U
50-29-3	4,4'-DDT	16	U
72-43-5	p,p'-Methoxychlor	82	U
53494-70-5	Endrin ketone	16	U
5103-71-9	alpha-Chlordane	82	U
5103-74-2	gamma-Chlordane	82	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	82	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	82	U
53469-21-9	Aroclor-1242	82	U
12672-29-6	Aroclor-1248	82	U
11097-69-1	Aroclor-1254	160	U
11096-82-5	Aroclor-1260	160	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1100

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21

Matrix: (soil/water) SOIL Lab Sample ID: 433897

Sample wt/vol: 30.9 (g/mL) G Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Received: 07/27/91

% Moisture: not dec. 4 dec. \_\_\_\_\_ Date Extracted: 08/01/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.1	U
319-85-7	beta-BHC	8.1	U
319-86-8	delta-BHC	8.1	U
58-89-9	gamma-BHC	8.1	U
76-44-8	Heptachlor	8.1	U
309-00-2	Aldrin	8.1	U
1024-57-3	Heptachlor epoxide	8.1	U
959-98-8	Endosulfan I	8.1	U
60-57-1	Dieldrin	16	U
72-55-9	4,4'-DDE	16	U
72-20-8	Endrin	16	U
33213-65-9	Endosulfan II	16	U
72-54-8	4,4'-DDD	16	U
1031-07-8	Endosulfan sulfate	16	U
50-29-3	4,4'-DDT	16	U
72-43-5	p,p'-Methoxychlor	81	U
53494-70-5	Endrin ketone	16	U
5103-71-9	alpha-Chlordane	81	U
5103-74-2	gamma-Chlordane	81	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	81	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	81	U
53469-21-9	Aroclor-1242	81	U
12672-29-6	Aroclor-1248	81	U
11097-69-1	Aroclor-1254	160	U
11096-82-5	Aroclor-1260	160	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1116

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21

Matrix: (soil/water) SOIL Lab Sample ID: 433898

Sample wt/vol: 30.8 (g/mL) G Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Received: 07/27/91

% Moisture: not dec. 4 dec. \_\_\_\_\_ Date Extracted: 08/01/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.1	U
319-85-7	beta-BHC	8.1	U
319-86-8	delta-BHC	8.1	U
58-89-9	gamma-BHC	8.1	U
76-44-8	Heptachlor	8.1	U
309-00-2	Aldrin	8.1	U
1024-57-3	Heptachlor epoxide	8.1	U
959-98-8	Endosulfan I	8.1	U
60-57-1	Dieldrin	16	U
72-55-9	4,4'-DDE	16	U
72-20-8	Endrin	16	U
33213-65-9	Endosulfan II	16	U
72-54-8	4,4'-DDD	16	U
1031-07-8	Endosulfan sulfate	16	U
50-29-3	4,4'-DDT	16	U
72-43-5	p,p'-Methoxychlor	81	U
53494-70-5	Endrin ketone	16	U
5103-71-9	alpha-Chlordane	81	U
5103-74-2	gamma-Chlordane	81	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	81	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	81	U
53469-21-9	Aroclor-1242	81	U
12672-29-6	Aroclor-1248	81	U
11097-69-1	Aroclor-1254	160	U
11096-82-5	Aroclor-1260	160	U

FORM I PEST

1/87 Rev.

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1200

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21

Matrix: (soil/water) SOIL Lab Sample ID: 433405

Sample wt/vol: 30.9 (g/mL) G Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Received: 07/26/91

% Moisture: not dec. 4 dec. \_\_\_\_\_ Date Extracted: 08/01/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.1	U
319-85-7	beta-BHC	8.1	U
319-86-8	delta-BHC	8.1	U
58-89-9	gamma-BHC	8.1	U
76-44-8	Heptachlor	8.1	U
309-00-2	Aldrin	8.1	U
1024-57-3	Heptachlor epoxide	8.1	U
959-98-8	Endosulfan I	8.1	U
60-57-1	Dieldrin	16	U
72-55-9	4,4'-DDE	16	U
72-20-8	Endrin	16	U
33213-65-9	Endosulfan II	16	U
72-54-8	4,4'-DDD	16	U
1031-07-8	Endosulfan sulfate	16	U
50-29-3	4,4'-DDT	16	U
72-43-5	p,p'-Methoxychlor	81	U
53494-70-5	Endrin ketone	16	U
5103-71-9	alpha-Chlordane	81	U
5103-74-2	gamma-Chlordane	81	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	81	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	81	U
53469-21-9	Aroclor-1242	81	U
12672-29-6	Aroclor-1248	81	U
11097-69-1	Aroclor-1254	160	U
11096-82-5	Aroclor-1260	160	U



1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1216

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21

Matrix: (soil/water) SOIL Lab Sample ID: 433406

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 07/26/91

% Moisture: not dec. 20 dec. \_\_\_\_\_

Date Extracted: 08/01/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/02/91

GPC Cleanup: (Y/N) N pH: 6.3

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	9.8	U
319-85-7	beta-BHC	9.8	U
319-86-8	delta-BHC	9.8	U
58-89-9	gamma-BHC	9.8	U
76-44-8	Heptachlor	9.8	U
309-00-2	Aldrin	9.8	U
1024-57-3	Heptachlor epoxide	9.8	U
959-98-8	Endosulfan I	9.8	U
60-57-1	Dieldrin	20	U
72-55-9	4,4'-DDE	20	U
72-20-8	Endrin	20	U
33213-65-9	Endosulfan II	20	U
72-54-8	4,4'-DDD	20	U
1031-07-8	Endosulfan sulfate	20	U
50-29-3	4,4'-DDT	20	U
72-43-5	p,p'-Methoxychlor	98	U
53494-70-5	Endrin ketone	20	U
5103-71-9	alpha-Chlordane	98	U
5103-74-2	gamma-Chlordane	98	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	98	U
11104-28-2	Aroclor-1221	98	U
11141-16-5	Aroclor-1232	98	U
53469-21-9	Aroclor-1242	98	U
12672-29-6	Aroclor-1248	98	U
11097-69-1	Aroclor-1254	200	U
11096-82-5	Aroclor-1260	200	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1400

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21

Matrix: (soil/water) SOIL Lab Sample ID: 433404

Sample wt/vol: 30.0 (g/mL) G Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Received: 07/26/91

% Moisture: not dec. 8 dec. \_\_\_\_\_ Date Extracted: 08/01/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.7	U
319-85-7	beta-BHC	8.7	U
319-86-8	delta-BHC	8.7	U
58-89-9	gamma-BHC	8.7	U
76-44-8	Heptachlor	8.7	U
309-00-2	Aldrin	8.7	U
1024-57-3	Heptachlor epoxide	8.7	U
959-98-8	Endosulfan I	8.7	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	87	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	87	U
5103-74-2	gamma-Chlordane	87	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	87	U
53469-21-9	Aroclor-1242	87	U
12672-29-6	Aroclor-1248	87	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

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EPA SAMPLE NO.

01SB1416

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21

Matrix: (soil/water) SOIL Lab Sample ID: 433407

Sample wt/vol: 30.1 (g/mL) G Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Received: 07/26/91

% Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 08/01/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91

GPC Cleanup: (Y/N) N pH: 6.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.8	U
319-85-7	beta-BHC	8.8	U
319-86-8	delta-BHC	8.8	U
58-89-9	gamma-BHC	8.8	U
76-44-8	Heptachlor	8.8	U
309-00-2	Aldrin	8.8	U
1024-57-3	Heptachlor epoxide	8.8	U
959-98-8	Endosulfan I	8.8	U
60-57-1	Dieldrin	18	U
72-55-9	4,4'-DDE	18	U
72-20-8	Endrin	18	U
33213-65-9	Endosulfan II	18	U
72-54-8	4,4'-DDD	18	U
1031-07-8	Endosulfan sulfate	18	U
50-29-3	4,4'-DDT	18	U
72-43-5	p,p'-Methoxychlor	88	U
53494-70-5	Endrin ketone	18	U
5103-71-9	alpha-Chlordane	88	U
5103-74-2	gamma-Chlordane	88	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	88	U
11104-28-2	Aroclor-1221	88	U
11141-16-5	Aroclor-1232	88	U
53469-21-9	Aroclor-1242	88	U
12672-29-6	Aroclor-1248	88	U
11097-69-1	Aroclor-1254	180	U
11096-82-5	Aroclor-1260	180	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1500

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433902  
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 08/01/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 4.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.7	U
319-85-7	beta-BHC	8.7	U
319-86-8	delta-BHC	8.7	U
58-89-9	gamma-BHC	8.7	U
76-44-8	Heptachlor	8.7	U
309-00-2	Aldrin	8.7	U
1024-57-3	Heptachlor epoxide	8.7	U
959-98-8	Endosulfan I	8.7	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	87	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	87	U
5103-74-2	gamma-Chlordane	87	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	87	U
53469-21-9	Aroclor-1242	87	U
12672-29-6	Aroclor-1248	87	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

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EPA SAMPLE NO.

01SB1500D

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21

Matrix: (soil/water) SOIL Lab Sample ID: 433900

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 07/26/91

% Moisture: not dec. 9 dec. \_\_\_\_\_

Date Extracted: 08/01/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/02/91

GPC Cleanup: (Y/N) N pH: 4.8

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.7	U
319-85-7	beta-BHC	8.7	U
319-86-8	delta-BHC	8.7	U
58-89-9	gamma-BHC	8.7	U
76-44-8	Heptachlor	8.7	U
309-00-2	Aldrin	8.7	U
1024-57-3	Heptachlor epoxide	8.7	U
959-98-8	Endosulfan I	8.7	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	87	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	87	U
5103-74-2	gamma-Chlordane	87	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	87	U
53469-21-9	Aroclor-1242	87	U
12672-29-6	Aroclor-1248	87	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

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EPA SAMPLE NO.

01SB1516

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: -21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433901  
 Sample wt/vol: 30.9 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 15 dec. \_\_\_\_\_ Date Extracted: 08/01/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	9.1	U
319-85-7	beta-BHC	9.1	U
319-86-8	delta-BHC	9.1	U
58-89-9	gamma-BHC	9.1	U
76-44-8	Heptachlor	9.1	U
309-00-2	Aldrin	9.1	U
1024-57-3	Heptachlor epoxide	9.1	U
959-98-8	Endosulfan I	9.1	U
60-57-1	Dieldrin	18	U
72-55-9	4,4'-DDE	18	U
72-20-8	Endrin	18	U
33213-65-9	Endosulfan II	18	U
72-54-8	4,4'-DDD	18	U
1031-07-8	Endosulfan sulfate	18	U
50-29-3	4,4'-DDT	18	U
72-43-5	p,p'-Methoxychlor	91	U
53494-70-5	Endrin ketone	18	U
5103-71-9	alpha-Chlordane	91	U
5103-74-2	gamma-Chlordane	91	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	91	U
11104-28-2	Aroclor-1221	91	U
11141-16-5	Aroclor-1232	91	U
53469-21-9	Aroclor-1242	91	U
12672-29-6	Aroclor-1248	91	U
11097-69-1	Aroclor-1254	180	U
11096-82-5	Aroclor-1260	180	U

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EPA SAMPLE NO.

01SB1600

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21

Matrix: (soil/water) SOIL Lab Sample ID: 433905

Sample wt/vol: 30.2 (g/mL) G Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Received: 07/27/91

% Moisture: not dec. 5 dec. \_\_\_\_\_ Date Extracted: 07/30/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.4	U
319-85-7	beta-BHC	8.4	U
319-86-8	delta-BHC	8.4	U
58-89-9	gamma-BHC	8.4	U
76-44-8	Heptachlor	8.4	U
309-00-2	Aldrin	8.4	U
1024-57-3	Heptachlor epoxide	8.4	U
959-98-8	Endosulfan I	8.4	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	84	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	84	U
5103-74-2	gamma-Chlordane	84	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	84	U
11104-28-2	Aroclor-1221	84	U
11141-16-5	Aroclor-1232	84	U
53469-21-9	Aroclor-1242	84	U
12672-29-6	Aroclor-1248	84	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

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EPA SAMPLE NO.

01SB1616

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433903  
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 16 dec. \_\_\_\_\_ Date Extracted: 07/30/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 5.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	9.4	U
319-85-7	beta-BHC	9.4	U
319-86-8	delta-BHC	9.4	U
58-89-9	gamma-BHC	9.4	U
76-44-8	Heptachlor	9.4	U
309-00-2	Aldrin	9.4	U
1024-57-3	Heptachlor epoxide	9.4	U
959-98-8	Endosulfan I	9.4	U
60-57-1	Dieldrin	19	U
72-55-9	4,4'-DDE	19	U
72-20-8	Endrin	19	U
33213-65-9	Endosulfan II	19	U
72-54-8	4,4'-DDD	19	U
1031-07-8	Endosulfan sulfate	19	U
50-29-3	4,4'-DDT	19	U
72-43-5	p,p'-Methoxychlor	94	U
53494-70-5	Endrin ketone	19	U
5103-71-9	alpha-Chlordane	94	U
5103-74-2	gamma-Chlordane	94	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	94	U
11104-28-2	Aroclor-1221	94	U
11141-16-5	Aroclor-1232	94	U
53469-21-9	Aroclor-1242	94	U
12672-29-6	Aroclor-1248	94	U
11097-69-1	Aroclor-1254	190	U
11096-82-5	Aroclor-1260	190	U



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EPA SAMPLE NO.

01SB1700

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21

Matrix: (soil/water) SOIL Lab Sample ID: 433904

Sample wt/vol: 30.5 (g/mL) G Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Received: 07/27/91

% Moisture: not dec. 4 dec. \_\_\_\_\_ Date Extracted: 07/30/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91

GPC Cleanup: (Y/N) N pH: 5.5 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	8.2	U
319-85-7	beta-BHC	8.2	U
319-86-8	delta-BHC	8.2	U
58-89-9	gamma-BHC	8.2	U
76-44-8	Heptachlor	8.2	U
309-00-2	Aldrin	8.2	U
1024-57-3	Heptachlor epoxide	8.2	U
959-98-8	Endosulfan I	8.2	U
60-57-1	Dieldrin	16	U
72-55-9	4,4'-DDE	16	U
72-20-8	Endrin	16	U
33213-65-9	Endosulfan II	16	U
72-54-8	4,4'-DDD	16	U
1031-07-8	Endosulfan sulfate	16	U
50-29-3	4,4'-DDT	16	U
72-43-5	p,p'-Methoxychlor	82	U
53494-70-5	Endrin ketone	16	U
5103-71-9	alpha-Chlordane	82	U
5103-74-2	gamma-Chlordane	82	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	82	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	82	U
53469-21-9	Aroclor-1242	82	U
12672-29-6	Aroclor-1248	82	U
11097-69-1	Aroclor-1254	160	U
11096-82-5	Aroclor-1260	160	U

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EPA SAMPLE NO.

01SB1716

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433907  
 Sample wt/vol: 30.6 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/27/91  
 % Moisture: not dec. 19 dec. \_\_\_\_\_ Date Extracted: 07/30/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91  
 GPC Cleanup: (Y/N) N pH: 6.1 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	9.7	U
319-85-7	beta-BHC	9.7	U
319-86-8	delta-BHC	9.7	U
58-89-9	gamma-BHC	9.7	U
76-44-8	Heptachlor	9.7	U
309-00-2	Aldrin	9.7	U
1024-57-3	Heptachlor epoxide	9.7	U
959-98-8	Endosulfan I	9.7	U
60-57-1	Dieldrin	19	U
72-55-9	4,4'-DDE	19	U
72-20-8	Endrin	19	U
33213-65-9	Endosulfan II	19	U
72-54-8	4,4'-DDD	19	U
1031-07-8	Endosulfan sulfate	19	U
50-29-3	4,4'-DDT	19	U
72-43-5	p,p'-Methoxychlor	97	U
53494-70-5	Endrin ketone	19	U
5103-71-9	alpha-Chlordane	97	U
5103-74-2	gamma-Chlordane	97	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	97	U
11104-28-2	Aroclor-1221	97	U
11141-16-5	Aroclor-1232	97	U
53469-21-9	Aroclor-1242	97	U
12672-29-6	Aroclor-1248	97	U
11097-69-1	Aroclor-1254	190	U
11096-82-5	Aroclor-1260	190	U

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EPA SAMPLE NO.

01SB1800

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21

Matrix: (soil/water) SOIL Lab Sample ID: 433906

Sample wt/vol: 30.4 (g/mL) G Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Received: 07/27/91

% Moisture: not dec. 16 dec. \_\_\_\_\_ Date Extracted: 07/30/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/02/91

GPC Cleanup: (Y/N) N pH: 5.9 Dilution Factor: 1.00

CONCENTRATION UNITS:

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

319-84-6	alpha-BHC	9.4	U
319-85-7	beta-BHC	9.4	U
319-86-8	delta-BHC	9.4	U
58-89-9	gamma-BHC	9.4	U
76-44-8	Heptachlor	9.4	U
309-00-2	Aldrin	9.4	U
1024-57-3	Heptachlor epoxide	9.4	U
959-98-8	Endosulfan I	9.4	U
60-57-1	Dieldrin	19	U
72-55-9	4,4'-DDE	19	U
72-20-8	Endrin	19	U
33213-65-9	Endosulfan II	19	U
72-54-8	4,4'-DDD	19	U
1031-07-8	Endosulfan sulfate	19	U
50-29-3	4,4'-DDT	19	U
72-43-5	p,p'-Methoxychlor	94	U
53494-70-5	Endrin ketone	19	U
5103-71-9	alpha-Chlordane	94	U
5103-74-2	gamma-Chlordane	94	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	94	U
11104-28-2	Aroclor-1221	94	U
11141-16-5	Aroclor-1232	94	U
53469-21-9	Aroclor-1242	94	U
12672-29-6	Aroclor-1248	94	U
11097-69-1	Aroclor-1254	190	U
11096-82-5	Aroclor-1260	190	U

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EPA SAMPLE NO.

01SB1416MS

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21  
 Matrix: (soil/water) SOIL Lab Sample ID: 433415  
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/26/91  
 % Moisture: not dec. 9 dec. \_\_\_\_\_ Date Extracted: 08/06/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/06/91  
 GPC Cleanup: (Y/N) N pH: 6.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
319-84-6	alpha-BHC	8.7	U
319-85-7	beta-BHC	8.7	U
319-86-8	delta-BHC	8.7	U
58-89-9	gamma-BHC	8.7	U
76-44-8	Heptachlor	8.7	U
309-00-2	Aldrin	8.7	U
1024-57-3	Heptachlor epoxide	8.7	U
959-98-8	Endosulfan I	8.7	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	87	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	87	U
5103-74-2	gamma-Chlordane	87	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	87	U
53469-21-9	Aroclor-1242	87	U
12672-29-6	Aroclor-1248	87	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

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EPA SAMPLE NO.

01SB1416MSD

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 21

Matrix: (soil/water) SOIL Lab Sample ID: 433416

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 07/26/91

% Moisture: not dec. 9 dec. \_\_\_\_\_

Date Extracted: 08/06/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/06/91

GPC Cleanup: (Y/N) N pH: 6.2

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
319-84-6	alpha-BHC	8.7	U
319-85-7	beta-BHC	8.7	U
319-86-8	delta-BHC	8.7	U
58-89-9	gamma-BHC	8.7	U
76-44-8	Heptachlor	8.7	U
309-00-2	Aldrin	8.7	U
1024-57-3	Heptachlor epoxide	8.7	U
959-98-8	Endosulfan I	8.7	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	p,p'-Methoxychlor	87	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	87	U
5103-74-2	gamma-Chlordane	87	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	87	U
53469-21-9	Aroclor-1242	87	U
12672-29-6	Aroclor-1248	87	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

FORM I PEST

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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1816

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 41  
 Matrix: (soil/water) SOIL Lab Sample ID: 434314  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH034314C54  
 Level: (low/med) LOW Date Received: 07/30/91  
 % Moisture: not dec. 13 Date Analyzed: 08/01/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	37	B
67-64-1	Acetone	21	B
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	6	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Total Xylenes	6	U

1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01SB1816

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 41  
 Matrix: (soil/water) SOIL Lab Sample ID: 434314  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH034314C54  
 Level: (low/med) LOW Date Received: 07/30/91  
 % Moisture: not dec. 13 Date Analyzed: 08/01/91  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1816

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 41  
 Matrix: (soil/water) SOIL Lab Sample ID: 434314  
 Sample wt/vol: 30.1 (g/mL) G Lab File ID: GH034314A20  
 Level: (low/med) LOW Date Received: 07/30/91  
 % Moisture: not dec. 13 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/04/91  
 GPC Cleanup: (Y/N) N pH: 5.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl) Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
100-51-6	Benzyl Alcohol	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
39638-32-9	Bis(2-Chloroethyl) Ether	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy) Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U

FORM I SV-1

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1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1816

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 41  
 Matrix: (soil/water) SOIL Lab Sample ID: 434314  
 Sample wt/vol: 30.1 (g/mL) G Lab File ID: GH034314A20  
 Level: (low/med) LOW Date Received: 07/30/91  
 % Moisture: not dec. 13 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/04/91  
 GPC Cleanup: (Y/N) N pH: 5.4 Dilution Factor: 1.0

CONCENTRATION UNITS:

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

99-09-2-----	3-Nitroaniline	1800	U
83-32-9-----	Acenaphthene	380	U
51-28-5-----	2,4-Dinitrophenol	1800	U
100-02-7-----	4-Nitrophenol	1800	U
132-64-9-----	Dibenzofuran	380	U
121-14-2-----	2,4-Dinitrotoluene	380	U
84-66-2-----	Diethylphthalate	380	U
7005-72-3-----	4-Chlorophenyl-phenylether	380	U
86-73-7-----	Fluorene	380	U
100-01-6-----	4-Nitroaniline	1800	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	380	U
101-55-3-----	4-Bromophenyl-phenylether	380	U
118-74-1-----	Hexachlorobenzene	380	U
87-86-5-----	Pentachlorophenol	1800	U
85-01-8-----	Phenanthrene	380	U
120-12-7-----	Anthracene	380	U
84-74-2-----	Di-n-Butylphthalate	68	BJ
206-44-0-----	Fluoranthene	380	U
129-00-0-----	Pyrene	380	U
85-68-7-----	Butylbenzylphthalate	380	U
91-94-1-----	3,3'-Dichlorobenzidine	760	U
56-55-3-----	Benzo(a)Anthracene	380	U
218-01-9-----	Chrysene	380	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	120	BJ
117-84-0-----	Di-n-Octyl Phthalate	380	U
205-99-2-----	Benzo(b) Fluoranthene	380	U
207-08-9-----	Benzo(k) Fluoranthene	380	U
50-32-8-----	Benzo(a) Pyrene	380	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	380	U
53-70-3-----	Dibenzo(a,h) Anthracene	380	U
191-24-2-----	Benzo(g,h,i) Perylene	380	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.:

01SB1816

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 41  
 Matrix: (soil/water) SOIL Lab Sample ID: 434314  
 Sample wt/vol: 30.1 (g/mL) G Lab File ID: GH034314A20  
 Level: (low/med) LOW Date Received: 07/30/91  
 % Moisture: not dec. 13 dec. \_\_\_\_\_ Date Extracted: 07/31/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/04/91  
 GPC Cleanup: (Y/N) N pH: 5.4 Dilution Factor: 1.0

Number TICs found: 4

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	4.82	420	BJ
2.	SOLVENT CONTAMINANT	4.92	420	BJ
3.	ALDOL	5.93	340	ABJ
4.	UNKNOWN	18.37	1300	J

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01SB1816

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 41  
 Matrix: (soil/water) SOIL Lab Sample ID: 434314  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 07/30/91  
 % Moisture: not dec. 13 dec. \_\_\_\_\_ Date Extracted: 08/02/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/08/91  
 GPC Cleanup: (Y/N) N pH: 5.4 Dilution Factor: 1.00

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	9.2	U
319-85-7	beta-BHC	9.2	U
319-86-8	delta-BHC	9.2	U
58-89-9	gamma-BHC	9.2	U
76-44-8	Heptachlor	9.2	U
309-00-2	Aldrin	9.2	U
1024-57-3	Heptachlor epoxide	9.2	U
959-98-8	Endosulfan I	9.2	U
60-57-1	Dieldrin	18	U
72-55-9	4,4'-DDE	18	U
72-20-8	Endrin	18	U
33213-65-9	Endosulfan II	18	U
72-54-8	4,4'-DDD	18	U
1031-07-8	Endosulfan sulfate	18	U
50-29-3	4,4'-DDT	18	U
72-43-5	p,p'-Methoxychlor	92	U
53494-70-5	Endrin ketone	18	U
5103-71-9	alpha-Chlordane	92	U
5103-74-2	gamma-Chlordane	92	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	92	U
11104-28-2	Aroclor-1221	92	U
11141-16-5	Aroclor-1232	92	U
53469-21-9	Aroclor-1242	92	U
12672-29-6	Aroclor-1248	92	U
11097-69-1	Aroclor-1254	180	U
11096-82-5	Aroclor-1260	180	U



COMPUCHEM  
LABORATORIES, INC.

P.O. Box 12652 3308 Chapel Hill/Nelson Highway Research Triangle Park, NC 27709 (919) 549-8263

24/SEP/91

BAKER ENVIRONMENTAL  
ATTN: RAY WATTRASS  
420 Rouser Road  
AIRPORT OFFICE PARK BLDG. 3  
CORAOPOLIS, PA 15108

Subject: Report of Data - Account Number 500243

ATTN: RAY WATTRASS

Enclosed herewith are the results of analytical work and associated Quality Control data for the samples received by CompuChem® under the referenced account number.

As you know, CLP service is performed in accordance with EPA methodologies as defined for the National Contract Laboratory Program; 'SOW For Organic Analysis; Multi-Media, Multi-Concentration'. Your original data has been stored and is available for future reference.

Thank you for selecting CompuChem® Laboratories for your sample analysis. We would like to continue providing you analytical support and services in the future. If you should have questions or require additional analytical services, please contact your representative at 1-919-549-8263.

Sincerely,

Elise L. Cobb  
Supervisor, Report Deliverables

Attachment

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01R0820

Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 267  
 Matrix: (soil/water) WATER Lab Sample ID: 438951  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN038951B53  
 Level: (low/med) LOW Date Received: 08/21/91  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 08/29/91  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	B
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
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	24	
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
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	9	
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	3	J
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
1330-20-7	Total Xylenes	5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01R0820

Lab Name: COMPUCHEM RTP Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 267  
Matrix: (soil/water) WATER Lab Sample ID: 438951  
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN038951B53  
Level: (low/med) LOW Date Received: 08/21/91  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 08/29/91  
Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01R0820

Name: COMPUCHEM, RTP

Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 267

Matrix: (soil/water) WATER Lab Sample ID: 438951

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH038951B52

Level: (low/med) LOW Date Received: 08/21/91

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 08/23/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/25/91

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-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
65-85-0	Benzoic Acid	50	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	10	U
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	U
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	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01R0820

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 267  
 Matrix: (soil/water) WATER Lab Sample ID: 438951  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH038951B52  
 Level: (low/med) LOW Date Received: 08/21/91  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 08/23/91  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/25/91  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

CAS NO. COMPOUND Q

99-09-2-----3-Nitroaniline	50	U
83-32-9-----Acenaphthene	10	U
51-28-5-----2,4-Dinitrophenol	50	U
100-02-7-----4-Nitrophenol	50	U
132-64-9-----Dibenzofuran	10	U
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	10	U
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	U
120-12-7-----Anthracene	10	U
84-74-2-----Di-n-Butylphthalate	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	20	U
56-55-3-----Benzo(a)Anthracene	10	U
218-01-9-----Chrysene	10	U
117-81-7-----bis(2-Ethylhexyl) Phthalate	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-----Dibenzo(a,h) Anthracene	10	U
191-24-2-----Benzo(g,h,i) Perylene	10	U

(1) - Cannot be separated from Diphenylamine



1F  
**SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.:

01R0820

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 267

Matrix: (soil/water) WATER Lab Sample ID: 438951

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH038951B52

Level: (low/med) LOW Date Received: 08/21/91

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 08/23/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/25/91

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/L

Number TICs found: 6

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.45	4.5	J
2.	UNKNOWN	8.20	12	J
3.	UNKNOWN	9.65	19	J
4.	UNKNOWN	9.80	3.4	J
5.	UNKNOWN	10.02	3.2	J
6.	LAB. CONTAMINANT	19.30	2.1	BJ

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01R0820RE

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 267  
 Matrix: (soil/water) WATER Lab Sample ID: 438951  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR038951B52  
 Level: (low/med) LOW Date Received: 08/21/91  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 08/26/91  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/30/91  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-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
65-85-0	Benzoic Acid	50	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	10	U
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	U
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	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

01R0820RE

ab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 267  
 Matrix: (soil/water) WATER Lab Sample ID: 438951  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR038951B52  
 Level: (low/med) LOW Date Received: 08/21/91  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 08/26/91  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/30/91  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2-----	3-Nitroaniline	50	U
83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	50	U
100-02-7-----	4-Nitrophenol	50	U
132-64-9-----	Dibenzofuran	10	U
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	10	U
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	U
120-12-7-----	Anthracene	10	U
84-74-2-----	Di-n-Butylphthalate	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	20	U
56-55-3-----	Benzo(a)Anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	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-----	Dibenzo(a,h)Anthracene	10	U
191-24-2-----	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

01R0820RE

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 267  
 Matrix: (soil/water) WATER Lab Sample ID: 438951  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR038951B52  
 Level: (low/med) LOW Date Received: 08/21/91  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 08/26/91  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/30/91  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

Number TICs found: 4

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	DICHLOROBUTANE	5.17	4.4	J
2.	UNKNOWN	7.43	14	J
3.	UNKNOWN	9.62	2.2	J
4.	UNKNOWN	9.77	12	J

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LABPURE

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 267

Matrix: (soil/water) WATER Lab Sample ID: 438948

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN038948B53

Level: (low/med) LOW Date Received: 08/21/91

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 08/28/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	BJ
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
540-59-0	1,2-Dichloroethene (total)	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
108-05-4	Vinyl Acetate	10	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
1330-20-7	Total Xylenes	5	U

1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

LABPURE

Lab Name: COMPUCHEM, RTP Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 23664 SAS No.: \_\_\_\_\_ SDG No.: 267  
 Matrix: (soil/water) WATER Lab Sample ID: 438948  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN038948B53  
 Level: (low/med) LOW Date Received: 08/21/91  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 08/28/91  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

**APPENDIX G**  
**LABORATORY INORGANIC DATA SHEETS**

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1  
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB0100

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664125

Matrix (soil/water): SOIL

Lab Sample ID: 432995

Level (low/med): LOW

Date Received: 07/25/91

% Solids: 90.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6350		*	P
7440-36-0	Antimony	7.3	U	N	P
7440-38-2	Arsenic	2.2	B		F
7440-39-3	Barium	13.3	B		P
7440-41-7	Beryllium	.22	U		P
7440-43-9	Cadmium	.89	U		P
7440-70-2	Calcium	122	B		P
7440-47-3	Chromium	6.7			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	1.9	B		P
7439-89-6	Iron	1860			P
7439-92-1	Lead	5.4		N	F
7439-95-4	Magnesium	281	B		P
7439-96-5	Manganese	6.0			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	2.8	B		P
7440-09-7	Potassium	259	B		P
7782-49-2	Selenium	.89	U		F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	137	B		P
7440-28-0	Thallium	.44	U		F
7440-62-2	Vanadium	8.1	B		P
7440-66-6	Zinc	3.5	B		P
	Cyanide	.56	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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1  
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB0114

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664125

Matrix (soil/water): SOIL

Lab Sample ID: 433013

Level (low/med): LOW

Date Received: 07/25/91

% Solids: 89.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7320		*	P
7440-36-0	Antimony	7.3	U	N	P
7440-38-2	Arsenic	1.1	U	W	F
7440-39-3	Barium	12.0	B		P
7440-41-7	Beryllium	.22	U		P
7440-43-9	Cadmium	.88	U		P
7440-70-2	Calcium	60.1	B		P
7440-47-3	Chromium	8.3			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	2.7	B		P
7439-89-6	Iron	1200			P
7439-92-1	Lead	7.3		N	F
7439-95-4	Magnesium	212	B		P
7439-96-5	Manganese	3.5			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	4.9	B		P
7440-09-7	Potassium	421	B		P
7782-49-2	Selenium	.88	U		F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	136	B		P
7440-28-0	Thallium	.44	U		F
7440-62-2	Vanadium	6.5	B		P
7440-66-6	Zinc	4.2	B		P
	Cyanide	.56	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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1  
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB0200

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664125

Matrix (soil/water): SOIL

Lab Sample ID: 433002

Level (low/med): LOW

Date Received: 07/25/91

% Solids: 92.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1930		*	P
7440-36-0	Antimony	7.0	U	N	P
7440-38-2	Arsenic	1.1	U	W	F
7440-39-3	Barium	4.1	B		P
7440-41-7	Beryllium	.21	U		P
7440-43-9	Cadmium	.85	U		P
7440-70-2	Calcium	176	B		P
7440-47-3	Chromium	3.6			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	7.6			P
7439-89-6	Iron	897			P
7439-92-1	Lead	4.0		N	F
7439-95-4	Magnesium	66.0	B		P
7439-96-5	Manganese	6.6			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	2.3	B		P
7440-09-7	Potassium	227	U		P
7782-49-2	Selenium	.87	U		F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	134	B		P
7440-28-0	Thallium	.43	U		F
7440-62-2	Vanadium	2.8	B		P
7440-66-6	Zinc	4.3			P
	Cyanide	.54	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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1  
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB0214

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664125

Matrix (soil/water): SOIL

Lab Sample ID: 433012

Level (low/med): LOW

Date Received: 07/25/91

% Solids: 92.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5970		*	P
7440-36-0	Antimony	7.2	U	N	P
7440-38-2	Arsenic	1.1	U	W	F
7440-39-3	Barium	8.2	B		P
7440-41-7	Beryllium	.22	U		P
7440-43-9	Cadmium	.87	U		P
7440-70-2	Calcium	58.0	B		P
7440-47-3	Chromium	7.3			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	2.3	B		P
7439-89-6	Iron	1640			P
7439-92-1	Lead	3.7		N	F
7439-95-4	Magnesium	224	B		P
7439-96-5	Manganese	8.4			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	2.9	B		P
7440-09-7	Potassium	460	B		P
7782-49-2	Selenium	.87	U		F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	130	B		P
7440-28-0	Thallium	.43	U		F
7440-62-2	Vanadium	6.1	B		P
7440-66-6	Zinc	3.4	B		P
	Cyanide	.54	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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1  
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB0300

Lab Name: COMPUCHEM LABORATORIES Contract: 7/88  
 Lab Code: COMPU Case No.: 50024 SAS No.: \_\_\_\_\_ SDG No.: 664125  
 Matrix (soil/water): SOIL Lab Sample ID: 433005  
 Level (low/med): LOW Date Received: 07/25/91  
 % Solids: 91.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6080		*	P
7440-36-0	Antimony	7.2	U	N	P
7440-38-2	Arsenic	1.1	U		F
7440-39-3	Barium	9.5	B		P
7440-41-7	Beryllium	.22	U		P
7440-43-9	Cadmium	.87	U		P
7440-70-2	Calcium	193	B		P
7440-47-3	Chromium	6.8			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	1490			P
7439-92-1	Lead	8.0		N	F
7439-95-4	Magnesium	179	B		P
7439-96-5	Manganese	5.2			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	2.3	B		P
7440-09-7	Potassium	232	U		P
7782-49-2	Selenium	.87	U		F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	110	B		P
7440-28-0	Thallium	.44	U		F
7440-62-2	Vanadium	6.6	B		P
7440-66-6	Zinc	3.4	B		P
	Cyanide	.55	U		AS

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM  
 Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB03135

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664125

Matrix (soil/water): SOIL

Lab Sample ID: 433010

Level (low/med): LOW

Date Received: 07/25/91

% Solids: 93.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3750		*	P
7440-36-0	Antimony	7.0	U	N	P
7440-38-2	Arsenic	1.1	U	W	F
7440-39-3	Barium	7.8	B		P
7440-41-7	Beryllium	.21	U		P
7440-43-9	Cadmium	.84	U		P
7440-70-2	Calcium	70.9	B		P
7440-47-3	Chromium	4.4			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	1.3	B		P
7439-89-6	Iron	971			P
7439-92-1	Lead	2.5		N	F
7439-95-4	Magnesium	146	B		P
7439-96-5	Manganese	5.5			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	4.8	B		P
7440-09-7	Potassium	225	U		P
7782-49-2	Selenium	.84	U	W	F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	160	B		P
7440-28-0	Thallium	.42	U		F
7440-62-2	Vanadium	3.2	B		P
7440-66-6	Zinc	4.7			P
	Cyanide	.54	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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1

CLIENT SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

01SB0300

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664125

Matrix (soil/water): SOIL

Lab Sample ID: 433005

Level (low/med): LOW

Date Received: 07/25/91

% Solids: 91.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6080		*	P
7440-36-0	Antimony	7.2	U	N	P
7440-38-2	Arsenic	1.1	U		F
7440-39-3	Barium	9.5	B		P
7440-41-7	Beryllium	.22	U		P
7440-43-9	Cadmium	.87	U		P
7440-70-2	Calcium	193	B		P
7440-47-3	Chromium	6.8			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	1490			P
7439-92-1	Lead	8.0		N	F
7439-95-4	Magnesium	179	B		P
7439-96-5	Manganese	5.2			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	2.3	B		P
7440-09-7	Potassium	232	U		P
7782-49-2	Selenium	.87	U		F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	110	B		P
7440-28-0	Thallium	.44	U		F
7440-62-2	Vanadium	6.6	B		P
7440-66-6	Zinc	3.4	B		P
	Cyanide	.55	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB03135

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664125

Matrix (soil/water): SOIL

Lab Sample ID: 433010

Level (low/med): LOW

Date Received: 07/25/91

% Solids: 93.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3750		*	P
7440-36-0	Antimony	7.0	U	N	P
7440-38-2	Arsenic	1.1	U	W	F
7440-39-3	Barium	7.8	B		P
7440-41-7	Beryllium	.21	U		P
7440-43-9	Cadmium	.84	U		P
7440-70-2	Calcium	70.9	B		P
7440-47-3	Chromium	4.4			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	1.3	B		P
7439-89-6	Iron	971			P
7439-92-1	Lead	2.5		N	F
7439-95-4	Magnesium	146	B		P
7439-96-5	Manganese	5.5			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	4.8	B		P
7440-09-7	Potassium	225	U		P
7782-49-2	Selenium	.84	U	W	F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	160	B		P
7440-28-0	Thallium	.42	U		F
7440-62-2	Vanadium	3.2	B		P
7440-66-6	Zinc	4.7			P
	Cyanide	.54	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB0400

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664125

Matrix (soil/water): SOIL

Lab Sample ID: 433007

Level (low/med): LOW

Date Received: 07/25/91

% Solids: 93.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1910		*	P
7440-36-0	Antimony	7.0	U	N	P
7440-38-2	Arsenic	1.1	U		F
7440-39-3	Barium	6.0	B		P
7440-41-7	Beryllium	.21	U		P
7440-43-9	Cadmium	.85	U		P
7440-70-2	Calcium	262	B		P
7440-47-3	Chromium	3.4			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	9.2			P
7439-89-6	Iron	916			F
7439-92-1	Lead	26.8		SN	F
7439-95-4	Magnesium	75.1	B		P
7439-96-5	Manganese	11.3			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	2.5	B		P
7440-09-7	Potassium	227	U		P
7782-49-2	Selenium	.85	U		F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	132	B		P
7440-28-0	Thallium	.43	U		F
7440-62-2	Vanadium	2.8	B		P
7440-66-6	Zinc	71.2			P
	Cyanide	.54	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB04145

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664125

Matrix (soil/water): SOIL

Lab Sample ID: 433011

Level (low/med): LOW

Date Received: 07/25/91

% Solids: 91.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3770		*	P
7440-36-0	Antimony	6.9	U	N	P
7440-38-2	Arsenic	1.1	U	W	F
7440-39-3	Barium	6.9	B		P
7440-41-7	Beryllium	.21	U		P
7440-43-9	Cadmium	.84	U		P
7440-70-2	Calcium	26.3	B		P
7440-47-3	Chromium	4.6			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	2.0	B		P
7439-89-6	Iron	801			P
7439-92-1	Lead	2.9		N	F
7439-95-4	Magnesium	156	B		P
7439-96-5	Manganese	4.8			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	3.9	B		P
7440-09-7	Potassium	223	U		P
7782-49-2	Selenium	.86	U	W	F
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	123	B		P
7440-28-0	Thallium	.43	U		F
7440-62-2	Vanadium	3.6	B		P
7440-66-6	Zinc	3.3	B		P
	Cyanide	.55	U		AS

Color Before: BROWN Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB0500

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664125

Matrix (soil/water): SOIL

Lab Sample ID: 433008

Level (low/med): LOW

Date Received: 07/25/91

% Solids: 91.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3290		*	P
7440-36-0	Antimony	7.0	U	N	P
7440-38-2	Arsenic	1.1	U	W	F
7440-39-3	Barium	6.1	B		P
7440-41-7	Beryllium	.21	U		P
7440-43-9	Cadmium	.85	U		P
7440-70-2	Calcium	261	B		P
7440-47-3	Chromium	3.4			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	1260			P
7439-92-1	Lead	3.8		N	F
7439-95-4	Magnesium	102	B		P
7439-96-5	Manganese	6.9			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	3.7	B		P
7440-09-7	Potassium	225	U		P
7782-49-2	Selenium	.85	U	W	F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	117	B		P
7440-28-0	Thallium	.42	U		F
7440-62-2	Vanadium	4.4	B		P
7440-66-6	Zinc	1.9	B		P
	Cyanide	.55	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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CLIENT SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

01SB05135

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664125

Matrix (soil/water): SOIL

Lab Sample ID: 433420

Level (low/med): LOW

Date Received: 07/26/91

% Solids: 95.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	40.70		*	P
7440-36-0	Antimony	6.9	U	N	P
7440-38-2	Arsenic	1.1	B		F
7440-39-3	Barium	5.3	B		P
7440-41-7	Beryllium	.21	U		P
7440-43-9	Cadmium	.84	U		P
7440-70-2	Calcium	19.3	B		P
7440-47-3	Chromium	6.7			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	1.8	B		P
7439-89-6	Iron	1190			P
7439-92-1	Lead	2.5		N	F
7439-95-4	Magnesium	127	B		P
7439-96-5	Manganese	2.5	B		P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	2.7	B		P
7440-09-7	Potassium	323	B		P
7782-49-2	Selenium	.84	U		F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	120	B		P
7440-28-0	Thallium	.42	U		F
7440-62-2	Vanadium	6.7	B		P
7440-66-6	Zinc	1.6	B		P
	Cyanide	.53	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB0600

Lab Name: COMPUCHEM LABORATORIES Contract: 7/88  
 Lab Code: COMPU Case No.: 50024 SAS No.: \_\_\_\_\_ SDG No.: 664125  
 Matrix (soil/water): SOIL Lab Sample ID: 433423  
 Level (low/med): LOW Date Received: 07/26/91  
 % Solids: 92.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2640		*	P
7440-36-0	Antimony	7.2	U	N	P
7440-38-2	Arsenic	1.1	U	W	F
7440-39-3	Barium	4.6	B		P
7440-41-7	Beryllium	.22	U		P
7440-43-9	Cadmium	.87	U		P
7440-70-2	Calcium	154	B		P
7440-47-3	Chromium	2.7			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	.87	U		P
7439-89-6	Iron	1090			P
7439-92-1	Lead	2.4		N	F
7439-95-4	Magnesium	79.8	B		P
7439-96-5	Manganese	4.9			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	3.4	B		P
7440-09-7	Potassium	232	U		P
7782-49-2	Selenium	.87	U		F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	133	B		P
7440-28-0	Thallium	.43	U		F
7440-62-2	Vanadium	3.5	B		P
7440-66-6	Zinc	1.7	B		P
	Cyanide	.54	U		AS

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM  
 Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB0613

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664125

Matrix (soil/water): SOIL

Lab Sample ID: 433424

Level (low/med): LOW

Date Received: 07/26/91

% Solids: 88.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4400		*	P
7440-36-0	Antimony	7.3	U	N	P
7440-38-2	Arsenic	1.1	U	W	F
7440-39-3	Barium	7.8	B		P
7440-41-7	Beryllium	.22	U		P
7440-43-9	Cadmium	.88	U		P
7440-70-2	Calcium	35.5	B		P
7440-47-3	Chromium	6.1			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	1.2	B		P
7439-89-6	Iron	1300			P
7439-92-1	Lead	3.1		N	F
7439-95-4	Magnesium	174	B		P
7439-96-5	Manganese	3.8			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	2.4	B		P
7440-09-7	Potassium	305	B		P
7782-49-2	Selenium	.91	U		F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	129	B		P
7440-28-0	Thallium	.45	U		F
7440-62-2	Vanadium	6.0	B		P
7440-66-6	Zinc	2.4	B		P
	Cyanide	.57	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

01SB0700

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664125

Matrix (soil/water): SOIL

Lab Sample ID: 433425

Level (low/med): LOW

Date Received: 07/26/91

% Solids: 96.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2610		*	P
7440-36-0	Antimony	6.9	U	N	P
7440-38-2	Arsenic	1.0	U	W	F
7440-39-3	Barium	8.6	B		P
7440-41-7	Beryllium	.21	U		P
7440-43-9	Cadmium	.83	U		P
7440-70-2	Calcium	28500			P
7440-47-3	Chromium	6.1			P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	2.8	B		P
7439-89-6	Iron	1350			P
7439-92-1	Lead	13.5		N	F
7439-95-4	Magnesium	547	B		P
7439-96-5	Manganese	22.5			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	7.7	B		P
7440-09-7	Potassium	303	B		P
7782-49-2	Selenium	.83	U		F
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	189	B		P
7440-28-0	Thallium	.41	U	W	F
7440-62-2	Vanadium	6.3	B		P
7440-66-6	Zinc	11.0			P
	Cyanide	.52	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB0713

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664125

Matrix (soil/water): SOIL

Lab Sample ID: 433426

Level (low/med): LOW

Date Received: 07/26/91

% Solids: 89.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4510		*	P
7440-36-0	Antimony	7.1	U	N	P
7440-38-2	Arsenic	1.1	U	W	F
7440-39-3	Barium	11.3	B		P
7440-41-7	Beryllium	.21	U		P
7440-43-9	Cadmium	.86	U		P
7440-70-2	Calcium	104	B		P
7440-47-3	Chromium	3.8			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	1.3	B		P
7439-89-6	Iron	598			P
7439-92-1	Lead	4.1		N	F
7439-95-4	Magnesium	124	B		P
7439-96-5	Manganese	4.7			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	4.8	B		P
7440-09-7	Potassium	228	U		P
7782-49-2	Selenium	.90	U		F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	103	B		P
7440-28-0	Thallium	.45	U		F
7440-62-2	Vanadium	2.6	B		P
7440-66-6	Zinc	2.3	B		P
	Cyanide	.56	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB0800

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664125

Matrix (soil/water): SOIL

Lab Sample ID: 433427

Level (low/med): LOW

Date Received: 07/26/91

% Solids: 81.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3630		*	P
7440-36-0	Antimony	7.8	U	N	P
7440-38-2	Arsenic	1.2	U		F
7440-39-3	Barium	8.7	B		P
7440-41-7	Beryllium	.24	U		P
7440-43-9	Cadmium	.95	U		P
7440-70-2	Calcium	393	B		P
7440-47-3	Chromium	4.4			P
7440-48-4	Cobalt	1.4	U		P
7440-50-8	Copper	2.0	B		P
7439-89-6	Iron	1720			P
7439-92-1	Lead	9.5		N	F
7439-95-4	Magnesium	77.2	B		P
7439-96-5	Manganese	10.7			P
7439-97-6	Mercury	.12	U		CV
7440-02-0	Nickel	3.3	B		P
7440-09-7	Potassium	253	U		P
7782-49-2	Selenium	.97	U		F
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium	149	B		P
7440-28-0	Thallium	.48	U		F
7440-62-2	Vanadium	4.8	B		P
7440-66-6	Zinc	9.2			P
	Cyanide	.62	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB0813

Lab Name: COMPUCHEM LABORATORIES Contract: 7/88

Lab Code: COMPU Case No.: 50024 SAS No.: \_\_\_\_\_ SDG No.: 664125

Matrix (soil/water): SOIL Lab Sample ID: 433428

Level (low/med): LOW Date Received: 07/26/91

% Solids: 90.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8280		*	P
7440-36-0	Antimony	7.2	U	N	F
7440-38-2	Arsenic	1.1	U		F
7440-39-3	Barium	11.1	B		P
7440-41-7	Beryllium	.22	U		P
7440-43-9	Cadmium	.87	U		P
7440-70-2	Calcium	87.0	B		P
7440-47-3	Chromium	9.3			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	.87	U		P
7439-89-6	Iron	1120			P
7439-92-1	Lead	5.1		N	F
7439-95-4	Magnesium	280	B		P
7439-96-5	Manganese	3.4			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	5.2	B		P
7440-09-7	Potassium	299	B		P
7782-49-2	Selenium	.87	U	W	F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	147	B		P
7440-28-0	Thallium	.44	U		F
7440-62-2	Vanadium	6.6	B		P
7440-66-6	Zinc	3.2	B		P
	Cyanide	.56	U		AS

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB0900

Lab Name: COMPUCHEM LABORATORIES Contract: 7/88  
 Lab Code: COMPU Case No.: 50024 SAS No.: \_\_\_\_\_ SDG No.: 664125  
 Matrix (soil/water): SOIL Lab Sample ID: 433429  
 Level (low/med): LOW Date Received: 07/26/91  
 % Solids: 96.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4920		*	P
7440-36-0	Antimony	6.5	U	N	F
7440-38-2	Arsenic	1.0	U		F
7440-39-3	Barium	9.8	B		P
7440-41-7	Beryllium	.20	U		P
7440-43-9	Cadmium	.79	U		P
7440-70-2	Calcium	6490			P
7440-47-3	Chromium	6.9			P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	1.8	B		P
7439-89-6	Iron	1940			P
7439-92-1	Lead	19.8		N	F
7439-95-4	Magnesium	291	B		P
7439-96-5	Manganese	12.8			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	4.1	B		P
7440-09-7	Potassium	341	B		P
7782-49-2	Selenium	.83	U		F
7440-22-4	Silver	.99	U		P
7440-23-5	Sodium	133	B		P
7440-28-0	Thallium	.42	U		F
7440-62-2	Vanadium	8.4	B		P
7440-66-6	Zinc	5.5			P
	Cyanide	.52	U		AS

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM  
 Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB0913

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664125

Matrix (soil/water): SOIL

Lab Sample ID: 433430

Level (low/med): LOW

Date Received: 07/26/91

% Solids: 92.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4190		*	P
7440-36-0	Antimony	7.1	U	N	P
7440-38-2	Arsenic	1.1	U		F
7440-39-3	Barium	6.7	B		P
7440-41-7	Beryllium	.22	U		P
7440-43-9	Cadmium	.86	U		P
7440-70-2	Calcium	63.7	B		P
7440-47-3	Chromium	4.1			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	.86	U		P
7439-89-6	Iron	565			P
7439-92-1	Lead	8.7		SN	F
7439-95-4	Magnesium	143	B		P
7439-96-5	Manganese	2.4	B		P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	1.9	U		P
7440-09-7	Potassium	230	U		F
7782-49-2	Selenium	.86	U	W	F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	113	B		P
7440-28-0	Thallium	.43	U		F
7440-62-2	Vanadium	2.9	B		P
7440-66-6	Zinc	2.1	B		P
	Cyanide	.54	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB1000

Lab Name: COMPUCHEM LABORATORIES Contract: 7/88  
 Lab Code: COMPU Case No.: 50024 SAS No.: \_\_\_\_\_ SDG No.: 664144  
 Matrix (soil/water): SOIL Lab Sample ID: 433910  
 Level (low/med): LOW Date Received: 07/27/91  
 % Solids: 97.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1730			P
7440-36-0	Antimony	6.6	U	N	P
7440-38-2	Arsenic	1.8	B		F
7440-39-3	Barium	6.7	B		P
7440-41-7	Beryllium	.25	B		P
7440-43-9	Cadmium	.84	B		P
7440-70-2	Calcium	488000		*	P
7440-47-3	Chromium	8.1		*	P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	1.9	B		P
7439-89-6	Iron	3910			P
7439-92-1	Lead	9.3		++	F
7439-95-4	Magnesium	3350			P
7439-96-5	Manganese	156			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	6.7	B		P
7440-09-7	Potassium	1010			P
7782-49-2	Selenium	.80	U		F
7440-22-4	Silver	1.0	U	N	P
7440-23-5	Sodium	325	B		P
7440-28-0	Thallium	.40	U	W	F
7440-62-2	Vanadium	28.0			P
7440-66-6	Zinc	16.9		*	P
	Cyanide	.52	U		AS

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM  
 Color After: COLORLESS Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

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1  
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB0913 \*

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664144

Matrix (soil/water): SOIL

Lab Sample ID: 433957

Level (low/med): LOW

Date Received: 07/27/91

% Solids: 90.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6150			P
7440-36-0	Antimony	7.1	U	N	P
7440-38-2	Arsenic	1.1	U		F
7440-39-3	Barium	13.0	B		P
7440-41-7	Beryllium	.22	U		P
7440-43-9	Cadmium	.86	U		P
7440-70-2	Calcium	360	B	*	P
7440-47-3	Chromium	8.8		*	P
7440-48-4	Cobalt	1.6	B		P
7440-50-8	Copper	2.0	B		P
7439-89-6	Iron	597			P
7439-92-1	Lead	2.2		*	F
7439-95-4	Magnesium	130	B		P
7439-96-5	Manganese	3.6			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	3.8	B		P
7440-09-7	Potassium	230	U		P
7782-49-2	Selenium	.87	U		F
7440-22-4	Silver	1.1	U	N	P
7440-23-5	Sodium	99.8	B		P
7440-28-0	Thallium	.44	U		F
7440-62-2	Vanadium	3.1	B		P
7440-66-6	Zinc	4.5		*	P
	Cyanide	.56	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: FINE

Color After: COLORLESS

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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\* mislabeled in field.  
should be 01SB1016

U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB1100

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664144

Matrix (soil/water): SOIL

Lab Sample ID: 433908

Level (low/med): LOW

Date Received: 07/27/91

% Solids: 96.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2060			P
7440-36-0	Antimony	6.7	U	N	P
7440-38-2	Arsenic	1.0	U	W	F
7440-39-3	Barium	12.5	B		P
7440-41-7	Beryllium	.20	U		P
7440-43-9	Cadmium	.81	U		P
7440-70-2	Calcium	17300		*	P
7440-47-3	Chromium	3.7		*	P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	2.7	B		P
7439-89-6	Iron	1110			P
7439-92-1	Lead	13.3		*	F
7439-95-4	Magnesium	318	B		P
7439-96-5	Manganese	12.6			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	1.8	U		P
7440-09-7	Potassium	216	U		P
7782-49-2	Selenium	.83	U	W	F
7440-22-4	Silver	1.0	U	N	P
7440-23-5	Sodium	107	B		P
7440-28-0	Thallium	.41	U		F
7440-62-2	Vanadium	4.3	B		P
7440-66-6	Zinc	10.5		*	P
	Cyanide	.52	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: FINE

Color After: COLORLESS

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB1116

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664144

Matrix (soil/water): SOIL

Lab Sample ID: 433909

Level (low/med): LOW

Date Received: 07/27/91

% Solids: 96.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1650			P
7440-36-0	Antimony	6.7	U	N	P
7440-38-2	Arsenic	1.0	U	W	F
7440-39-3	Barium	4.1	B		P
7440-41-7	Beryllium	.20	U		P
7440-43-9	Cadmium	.81	U		P
7440-70-2	Calcium	64.8	B	*	P
7440-47-3	Chromium	2.7		*	P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	1.1	B		P
7439-89-6	Iron	544			P
7439-92-1	Lead	1.4		*	F
7439-95-4	Magnesium	45.5	B		P
7439-96-5	Manganese	1.5	B		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	1.8	U		P
7440-09-7	Potassium	216	U		P
7782-49-2	Selenium	.82	U		F
7440-22-4	Silver	1.0	U	N	P
7440-23-5	Sodium	74.7	B		P
7440-28-0	Thallium	.41	U		F
7440-62-2	Vanadium	2.2	B		P
7440-66-6	Zinc	2.8	B	*	P
	Cyanide	.52	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: FINE

Color After: COLORLESS

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB1200

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664144

Matrix (soil/water): SOIL

Lab Sample ID: 433439

Level (low/med): LOW

Date Received: 07/26/91

% Solids: 96.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2020			P
7440-36-0	Antimony	6.8	U	N	P
7440-38-2	Arsenic	1.1	B		F
7440-39-3	Barium	8.8	B		P
7440-41-7	Beryllium	.21	U		P
7440-43-9	Cadmium	.83	U		P
7440-70-2	Calcium	65000		*	P
7440-47-3	Chromium	4.6		*	P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	16.0			P
7439-89-6	Iron	1740			P
7439-92-1	Lead	9.6		*	F
7439-95-4	Magnesium	1030			P
7439-96-5	Manganese	27.1			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	3.0	B		P
7440-09-7	Potassium	220	U		P
7782-49-2	Selenium	.82	U	W	F
7440-22-4	Silver	1.0	U	N	P
7440-23-5	Sodium	209	B		P
7440-28-0	Thallium	.41	U	W	F
7440-62-2	Vanadium	4.5	B		P
7440-66-6	Zinc	13.1		*	P
	Cyanide	.52	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: FINE

Color After: COLORLESS

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB1216

Lab Name: COMPUCHEM LABORATORIES Contract: 7/88  
 Lab Code: COMPU Case No.: 50024 SAS No.: \_\_\_\_\_ SDG No.: 664144  
 Matrix (soil/water): SOIL Lab Sample ID: 433444  
 Level (low/med): LOW Date Received: 07/26/91  
 % Solids: 80.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	904			P
7440-36-0	Antimony	8.2	U	N	P
7440-38-2	Arsenic	1.2	U		F
7440-39-3	Barium	2.7	B		P
7440-41-7	Beryllium	.25	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	96.3	B	*	P
7440-47-3	Chromium	1.6	B	*	P
7440-48-4	Cobalt	1.5	U		P
7440-50-8	Copper	1.6	B		P
7439-89-6	Iron	132			P
7439-92-1	Lead	1.4		*	F
7439-95-4	Magnesium	21.2	B		P
7439-96-5	Manganese	.95	B		P
7439-97-6	Mercury	.12	U		CV
7440-02-0	Nickel	2.2	U		P
7440-09-7	Potassium	267	U		P
7782-49-2	Selenium	.97	U		F
7440-22-4	Silver	1.2	U	N	P
7440-23-5	Sodium	103	B		P
7440-28-0	Thallium	.49	U		F
7440-62-2	Vanadium	.75	U		P
7440-66-6	Zinc	11.8		*	P
	Cyanide	.62	U		AS

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: FINE  
 Color After: COLORLESS Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

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CLIENT SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

01SB1300

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664125

Matrix (soil/water): SOIL

Lab Sample ID: 433431

Level (low/med): LOW

Date Received: 07/26/91

% Solids: 90.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3880		*	P
7440-36-0	Antimony	7.1	U	N	P
7440-38-2	Arsenic	1.1	U		F
7440-39-3	Barium	8.9	B		P
7440-41-7	Beryllium	.21	U		P
7440-43-9	Cadmium	.85	U		P
7440-70-2	Calcium	31300			P
7440-47-3	Chromium	7.6			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	3.2	B		P
7439-89-6	Iron	2160			P
7439-92-1	Lead	17.6		N	F
7439-95-4	Magnesium	544	B		P
7439-96-5	Manganese	13.6			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	2.6	B		P
7440-09-7	Potassium	228	U		P
7782-49-2	Selenium	.85	U		F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	215	B		P
7440-28-0	Thallium	.42	U	W	F
7440-62-2	Vanadium	6.3	B		P
7440-66-6	Zinc	21.3			P
	Cyanide	.56	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB1316

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664125

Matrix (soil/water): SOIL

Lab Sample ID: 433433

Level (low/med): LOW

Date Received: 07/26/91

% Solids: 92.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2730		*	P
7440-36-0	Antimony	6.8	U	N	P
7440-38-2	Arsenic	1.1	U		F
7440-39-3	Barium	5.8	B		P
7440-41-7	Beryllium	.21	U		P
7440-43-9	Cadmium	.83	U		P
7440-70-2	Calcium	82.5	B		P
7440-47-3	Chromium	3.5			P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	.83	U		P
7439-89-6	Iron	519			P
7439-92-1	Lead	1.8		N	F
7439-95-4	Magnesium	58.6	B		P
7439-96-5	Manganese	1.6	B		P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	3.1	B		P
7440-09-7	Potassium	221	U		P
7782-49-2	Selenium	.85	U		F
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	116	B		P
7440-28-0	Thallium	.43	U		F
7440-62-2	Vanadium	2.1	B		P
7440-66-6	Zinc	1.6	B		P
	Cyanide	.54	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB1400

Lab Name: COMPUCHEM LABORATORIES Contract: 7/88  
 Lab Code: COMPU Case No.: 50024 SAS No.: \_\_\_\_\_ SDG No.: 664144  
 Matrix (soil/water): SOIL Lab Sample ID: 433435  
 Level (low/med): LOW Date Received: 07/26/91  
 % Solids: 92.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3050			P
7440-36-0	Antimony	7.2	U	N	P
7440-38-2	Arsenic	1.1	U	W	F
7440-39-3	Barium	13.0	B		P
7440-41-7	Beryllium	.22	U		P
7440-43-9	Cadmium	.87	U		P
7440-70-2	Calcium	20100		*	P
7440-47-3	Chromium	7.8		*	P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	3.8	B		P
7439-89-6	Iron	1810			P
7439-92-1	Lead	32.7		S*	F
7439-95-4	Magnesium	396	B		P
7439-96-5	Manganese	7.3			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	2.3	B		P
7440-09-7	Potassium	232	U		P
7782-49-2	Selenium	.86	U		F
7440-22-4	Silver	1.1	U	N	P
7440-23-5	Sodium	99.0	B		P
7440-28-0	Thallium	.43	U		F
7440-62-2	Vanadium	4.6	B		P
7440-66-6	Zinc	17.5		*	P
	Cyanide	.54	U		AS

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM  
 Color After: COLORLESS Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB1416

Lab Name: COMPUCHEM LABORATORIES Contract: 7/88  
 Lab Code: COMPU Case No.: 50024 SAS No.: \_\_\_\_\_ SDG No.: 664144  
 Matrix (soil/water): SOIL Lab Sample ID: 433445  
 Level (low/med): LOW Date Received: 07/26/91  
 % Solids: 91.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3770			P
7440-36-0	Antimony	7.2	U	N	P
7440-38-2	Arsenic	1.1	U		F
7440-39-3	Barium	9.1	B		P
7440-41-7	Beryllium	.22	U		P
7440-43-9	Cadmium	.87	U		P
7440-70-2	Calcium	152	B	*	P
7440-47-3	Chromium	5.2		*	P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	1.2	B		P
7439-89-6	Iron	2260			P
7439-92-1	Lead	2.5		*	F
7439-95-4	Magnesium	140	B		P
7439-96-5	Manganese	2.3	B		P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	2.0	U		P
7440-09-7	Potassium	232	U		P
7782-49-2	Selenium	.88	U		F
7440-22-4	Silver	1.1	U	N	P
7440-23-5	Sodium	95.8	B		P
7440-28-0	Thallium	.44	U		F
7440-62-2	Vanadium	5.2	B		P
7440-66-6	Zinc	7.3		*	P
	Cyanide	.55	U		AS

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: FINE  
 Color After: COLORLESS Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

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CLIENT SAMPLE NO.

01SB1500

Lab Name: COMPUCHEM LABORATORIES Contract: 7/88  
 Lab Code: COMPU Case No.: 50024 SAS No.: \_\_\_\_\_ SDG No.: 664144  
 Matrix (soil/water): SOIL Lab Sample ID: 433913  
 Level (low/med): LOW Date Received: 07/27/91  
 % Solids: 91.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5740			P
7440-36-0	Antimony	7.0	U	N	P
7440-38-2	Arsenic	1.4	B		F
7440-39-3	Barium	10.4	B		P
7440-41-7	Beryllium	.21	U		P
7440-43-9	Cadmium	.85	U		P
7440-70-2	Calcium	153	B	*	P
7440-47-3	Chromium	7.5		*	P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	1.2	B		P
7439-89-6	Iron	3110			P
7439-92-1	Lead	5.0		*	F
7439-95-4	Magnesium	132	B		P
7439-96-5	Manganese	3.9			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	2.9	B		P
7440-09-7	Potassium	228	U		P
7782-49-2	Selenium	.86	U		F
7440-22-4	Silver	1.1	U	N	P
7440-23-5	Sodium	80.5	B		P
7440-28-0	Thallium	.43	U		F
7440-62-2	Vanadium	8.8	B		P
7440-66-6	Zinc	4.5		*	P
	Cyanide	.55	U		AS

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: FINE  
 Color After: COLORLESS Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB1500D

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664144

Matrix (soil/water): SOIL

Lab Sample ID: 433911

Level (low/med): LOW

Date Received: 07/27/91

% Solids: 91.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5510			P
7440-36-0	Antimony	7.3	U	N	P
7440-38-2	Arsenic	1.4	B		F
7440-39-3	Barium	10.2	B		P
7440-41-7	Beryllium	.22	U		P
7440-43-9	Cadmium	.88	U		P
7440-70-2	Calcium	148	B	*	P
7440-47-3	Chromium	7.3		*	P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	1.6	B		P
7439-89-6	Iron	2930			P
7439-92-1	Lead	5.3		*	F
7439-95-4	Magnesium	124	B		P
7439-96-5	Manganese	5.1			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	2.1	B		P
7440-09-7	Potassium	235	U		P
7782-49-2	Selenium	.88	U	W	F
7440-22-4	Silver	1.1	U	N	P
7440-23-5	Sodium	109	B		P
7440-28-0	Thallium	.44	U		F
7440-62-2	Vanadium	8.8	B		P
7440-66-6	Zinc	4.3	B	*	P
	Cyanide	.55	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: FINE

Color After: COLORLESS

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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1  
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB1516

Lab Name: COMPUCHEM LABORATORIES Contract: 7/88  
 Lab Code: COMPU Case No.: 50024 SAS No.: \_\_\_\_\_ SDG No.: 664144  
 Matrix (soil/water): SOIL Lab Sample ID: 433912  
 Level (low/med): LOW Date Received: 07/27/91  
 % Solids: 85.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6120			P
7440-36-0	Antimony	7.7	U	N	P
7440-38-2	Arsenic	1.2	U	W	F
7440-39-3	Barium	16.9	B		P
7440-41-7	Beryllium	.23	U		P
7440-43-9	Cadmium	.93	U		P
7440-70-2	Calcium	42.1	B	*	P
7440-47-3	Chromium	5.6		*	P
7440-48-4	Cobalt	1.4	U		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	659			P
7439-92-1	Lead	1.9		*	F
7439-95-4	Magnesium	105	B		P
7439-96-5	Manganese	3.6			P
7439-97-6	Mercury	.12	U		CV
7440-02-0	Nickel	3.1	B		P
7440-09-7	Potassium	249	U		P
7782-49-2	Selenium	.93	U		F
7440-22-4	Silver	1.2	U	N	P
7440-23-5	Sodium	88.5	B		P
7440-28-0	Thallium	.47	U		F
7440-62-2	Vanadium	2.6	B		P
7440-66-6	Zinc	5.3		*	P
	Cyanide	.59	U		AS

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: FINE  
 Color After: COLORLESS Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB1600

Lab Name: COMPUCHEM LABORATORIES Contract: 7/88  
 Lab Code: COMPU Case No.: 50024 SAS No.: \_\_\_\_\_ SDG No.: 664144  
 Matrix (soil/water): SOIL Lab Sample ID: 433916  
 Level (low/med): LOW Date Received: 07/27/91  
 % Solids: 95.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4510			P
7440-36-0	Antimony	6.8	U	N	P
7440-38-2	Arsenic	1.4	B		F
7440-39-3	Barium	7.3	B		P
7440-41-7	Beryllium	.21	U		P
7440-43-9	Cadmium	.83	U		P
7440-70-2	Calcium	4580		*	P
7440-47-3	Chromium	6.4		*	P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	1.2	B		P
7439-89-6	Iron	2370			P
7439-92-1	Lead	4.7		*	F
7439-95-4	Magnesium	182	B		P
7439-96-5	Manganese	6.0			P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	1.9	U		P
7440-09-7	Potassium	220	U		P
7782-49-2	Selenium	.83	U		F
7440-22-4	Silver	1.0	U	N	P
7440-23-5	Sodium	105	B		P
7440-28-0	Thallium	.42	U		F
7440-62-2	Vanadium	6.8	B		P
7440-66-6	Zinc	4.5		*	P
	Cyanide	.53	U		AS

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: FINE  
 Color After: COLORLESS Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

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1  
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB1616

Lab Name: COMPUCHEM LABORATORIES Contract: 7/88  
 Lab Code: COMPU Case No.: 50024 SAS No.: \_\_\_\_\_ SDG No.: 664144  
 Matrix (soil/water): SOIL Lab Sample ID: 433914  
 Level (low/med): LOW Date Received: 07/27/91  
 % Solids: 84.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3560			P
7440-36-0	Antimony	7.8	U	N	P
7440-38-2	Arsenic	1.2	U	W	F
7440-39-3	Barium	6.6	B		P
7440-41-7	Beryllium	.24	U		P
7440-43-9	Cadmium	.94	U		P
7440-70-2	Calcium	768	B	*	P
7440-47-3	Chromium	4.2		*	P
7440-48-4	Cobalt	1.4	U		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	939			P
7439-92-1	Lead	3.1		*	F
7439-95-4	Magnesium	97.7	B		P
7439-96-5	Manganese	5.0			P
7439-97-6	Mercury	.12	U		CV
7440-02-0	Nickel	2.2	B		P
7440-09-7	Potassium	252	U		P
7782-49-2	Selenium	.92	U		F
7440-22-4	Silver	1.2	U	N	P
7440-23-5	Sodium	90.7	B		P
7440-28-0	Thallium	.46	U		F
7440-62-2	Vanadium	2.8	B		P
7440-66-6	Zinc	8.7		*	P
	Cyanide	.60	U		AS

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: FINE  
 Color After: COLORLESS Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO

01SB1700

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664144

Matrix (soil/water): SOIL

Lab Sample ID: 433915

Level (low/med): LOW

Date Received: 07/27/91

% Solids: 96.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	911			P
7440-36-0	Antimony	6.9	U	N	P
7440-38-2	Arsenic	1.0	U		F
7440-39-3	Barium	4.1	B		P
7440-41-7	Beryllium	.21	U		P
7440-43-9	Cadmium	.83	U		P
7440-70-2	Calcium	89.4	B	*	P
7440-47-3	Chromium	1.3	B	*	P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	.93	B		P
7439-89-6	Iron	408			P
7439-92-1	Lead	2.7		*	F
7439-95-4	Magnesium	33.4	B		P
7439-96-5	Manganese	3.4			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	2.3	B		P
7440-09-7	Potassium	222	U		P
7782-49-2	Selenium	.82	U		F
7440-22-4	Silver	1.0	U	N	P
7440-23-5	Sodium	80.9	B		P
7440-28-0	Thallium	.41	U		F
7440-62-2	Vanadium	1.3	B		P
7440-66-6	Zinc	26.0		*	P
	Cyanide	.52	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: FINE

Color After: COLORLESS

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB1616

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664144

Matrix (soil/water): SOIL

Lab Sample ID: 433914

Level (low/med): LOW

Date Received: 07/27/91

% Solids: 84.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3560			P
7440-36-0	Antimony	7.8	U	N	P
7440-38-2	Arsenic	1.2	U	W	F
7440-39-3	Barium	6.6	B		P
7440-41-7	Beryllium	.24	U		P
7440-43-9	Cadmium	.94	U		P
7440-70-2	Calcium	768	B	*	P
7440-47-3	Chromium	4.2		*	P
7440-48-4	Cobalt	1.4	U		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	939			P
7439-92-1	Lead	3.1		*	F
7439-95-4	Magnesium	97.7	B		P
7439-96-5	Manganese	5.0			P
7439-97-6	Mercury	.12	U		CV
7440-02-0	Nickel	2.2	B		P
7440-09-7	Potassium	252	U		P
7782-49-2	Selenium	.92	U		F
7440-22-4	Silver	1.2	U	N	P
7440-23-5	Sodium	90.7	B		P
7440-28-0	Thallium	.46	U		F
7440-62-2	Vanadium	2.8	B		P
7440-66-6	Zinc	8.7		*	P
	Cyanide	.60	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: FINE

Color After: COLORLESS

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB1700

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664144

Matrix (soil/water): SOIL

Lab Sample ID: 433915

Level (low/med): LOW

Date Received: 07/27/91

% Solids: 96.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	911			P
7440-36-0	Antimony	6.9	U	N	P
7440-38-2	Arsenic	1.0	U		F
7440-39-3	Barium	4.1	B		P
7440-41-7	Beryllium	.21	U		P
7440-43-9	Cadmium	.83	U		P
7440-70-2	Calcium	89.4	B	*	P
7440-47-3	Chromium	1.3	B	*	P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	.93	B		P
7439-89-6	Iron	408			P
7439-92-1	Lead	2.7		*	F
7439-95-4	Magnesium	33.4	B		P
7439-96-5	Manganese	3.4			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	2.3	B		P
7440-09-7	Potassium	222	U		P
7782-49-2	Selenium	.82	U		F
7440-22-4	Silver	1.0	U	N	P
7440-23-5	Sodium	80.9	B		P
7440-28-0	Thallium	.41	U		F
7440-62-2	Vanadium	1.3	B		P
7440-66-6	Zinc	26.0		*	P
	Cyanide	.52	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: FINE

Color After: COLORLESS

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

01SB1716

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664144

Matrix (soil/water): SOIL

Lab Sample ID: 433918

Level (low/med): LOW

Date Received: 07/27/91

% Solids: 81.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2770			P
7440-36-0	Antimony	8.0	U	N	P
7440-38-2	Arsenic	1.2	U		F
7440-39-3	Barium	10.8	B		P
7440-41-7	Beryllium	.24	U		P
7440-43-9	Cadmium	.97	U		P
7440-70-2	Calcium	2300		*	P
7440-47-3	Chromium	4.8		*	P
7440-48-4	Cobalt	1.5	U		P
7440-50-8	Copper	1.5	B		P
7439-89-6	Iron	2000			P
7439-92-1	Lead	3.7		S*	F
7439-95-4	Magnesium	136	B		P
7439-96-5	Manganese	7.0			P
7439-97-6	Mercury	.12	U		CV
7440-02-0	Nickel	2.2	U		P
7440-09-7	Potassium	258	U		P
7782-49-2	Selenium	.96	U		F
7440-22-4	Silver	1.2	U	N	P
7440-23-5	Sodium	106	B		P
7440-28-0	Thallium	.48	U		F
7440-62-2	Vanadium	3.2	B		P
7440-66-6	Zinc	4.7	B	*	P
	Cyanide	.62	U		AS

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: FINE

Color After: COLORLESS

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB1800

Lab Name: COMPUCHEM LABORATORIES Contract: 7/88  
 Lab Code: COMPU Case No.: 50024 SAS No.: \_\_\_\_\_ SDG No.: 664144  
 Matrix (soil/water): SOIL Lab Sample ID: 433917  
 Level (low/med): LOW Date Received: 07/27/91  
 % Solids: 84.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	925			P
7440-36-0	Antimony	7.8	U	N	P
7440-38-2	Arsenic	1.2	U		F
7440-39-3	Barium	4.1	B		P
7440-41-7	Beryllium	.24	U		P
7440-43-9	Cadmium	.94	U		P
7440-70-2	Calcium	49.6	B	*	P
7440-47-3	Chromium	1.1	B	*	P
7440-48-4	Cobalt	1.4	U		P
7440-50-8	Copper	.94	U		P
7439-89-6	Iron	312			P
7439-92-1	Lead	1.9		*	F
7439-95-4	Magnesium	25.1	B		P
7439-96-5	Manganese	17.3			P
7439-97-6	Mercury	.12	U		CV
7440-02-0	Nickel	2.1	U		P
7440-09-7	Potassium	252	U		P
7782-49-2	Selenium	.93	U		F
7440-22-4	Silver	1.2	U	N	P
7440-23-5	Sodium	70.0	B		P
7440-28-0	Thallium	.47	U		F
7440-62-2	Vanadium	1.1	B		P
7440-66-6	Zinc	3.2	B	*	P
	Cyanide	.60	U		AS

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM  
 Color After: COLORLESS Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01SB1816

Lab Name: COMPUCHEM LABORATORIES

Contract: 7/88

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664164

Matrix (soil/water): SOIL

Lab Sample ID: 434350

Level (low/med): LOW

Date Received: 07/30/91

% Solids: 87.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1990			P
7440-36-0	Antimony	7.4	U		P
7440-38-2	Arsenic	1.5	B		F
7440-39-3	Barium	4.7	B		P
7440-41-7	Beryllium	.23	U		P
7440-43-9	Cadmium	.90	U		P
7440-70-2	Calcium	48.4	B		P
7440-47-3	Chromium	3.2			P
7440-48-4	Cobalt	1.4	U		P
7440-50-8	Copper	6.4			P
7439-89-6	Iron	1020			P
7439-92-1	Lead	2.1		*	F
7439-95-4	Magnesium	139	B		P
7439-96-5	Manganese	2.5	B		P
7439-97-6	Mercury	.11	U		CV
7440-02-0	Nickel	2.0	U		P
7440-09-7	Potassium	240	U		P
7782-49-2	Selenium	.89	U		F
7440-22-4	Silver	1.1	U	N	P
7440-23-5	Sodium	156	B		P
7440-28-0	Thallium	.45	U		F
7440-62-2	Vanadium	5.3	B		P
7440-66-6	Zinc	8.0			P
	Cyanide	.57	U		AS

Color Before: BROWN Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: COLORLESS Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments:

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INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

01R0820

Lab Name: COMPUCHEM LABORATORIES

Contract: 3/90

Lab Code: COMPU

Case No.: 50024

SAS No.: \_\_\_\_\_

SDG No.: 664307

Matrix (soil/water): WATER

Lab Sample ID: 438953

Level (low/med): LOW

Date Received: 08/21/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	251			P
7440-36-0	Antimony	33.0	U		P
7440-38-2	Arsenic	5.0	U	W	F
7440-39-3	Barium	9.5	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium	27700			P
7440-47-3	Chromium	4.0	U		P
7440-48-4	Cobalt	6.0	U		P
7440-50-8	Copper	4.0	U		P
7439-89-6	Iron	37.3	B		P
7439-92-1	Lead	2.0	U		F
7439-95-4	Magnesium	2210	B		P
7439-96-5	Manganese	1.0	U		P
7439-97-6	Mercury	.20	U		CV
7440-02-0	Nickel	9.0	U		P
7440-09-7	Potassium	1290	B		P
7782-49-2	Selenium	4.0	U	W	F
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	7830			P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	3.0	U		P
7440-66-6	Zinc	63.2		*	P
	Cyanide	10.0	U	N	AS

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: \_\_\_\_\_

Comments:

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