

**SITE:** Seven Out LLC  
**BREAK:** 2.8  
**OTHER:** \_\_\_\_\_

**SEVEN OUT, LLC SITE  
WAYCROSS, WARE COUNTY, GEORGIA**

**REMOVAL ASSESSMENT REPORT  
DECEMBER 9, 2004**



**U.S. Environmental Protection Agency  
Region 4  
Atlanta, Georgia 30303**

10302356



December 9, 2004

Mr. Terry Stilman  
U.S. Environmental Protection Agency, Region 4  
61 Forsyth Street, SW, 11<sup>th</sup> Floor  
Atlanta, Georgia 30303

Subject:       **Removal Assessment Report  
Seven Out, LLC Site  
Waycross, Ware County, Georgia  
Contract No. 68-W-00-120 (START 2 Region 4)  
TDD No. 4T-04-07-A-011**

Dear Mr. Stilman:

The Tetra Tech EM Inc. Superfund Technical Assessment and Response Team (START) is submitting one hard copy and one electronic copy of the removal assessment report, revision 0, for the Seven Out, LLC Site in Waycross, Ware County, Georgia.

If you have any questions or need additional copies of the report, please contact me at (404) 225-5530.

Sincerely,

Randy Nattis  
START 2 Project Manager

Hieu Q. Vu, PE, CHMM  
START 2 Program Manager

Enclosures

cc:     Matthew Monsees, EPA Project Officer  
       Shane Hitchcock, EPA Emergency Response Section Chief  
       Tyson Thibault, START Emergency Response Coordinator  
       START File

**REMOVAL ASSESSMENT REPORT**  
**SEVEN OUT, LLC SITE**  
**WAYCROSS, WARE COUNTY, GEORGIA**

**Prepared for**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**Region 4**  
**Atlanta, Georgia 30303**

Contract No.	:	68-W-00-120
TDD No.	:	4T-04-07-A-011
Date Prepared	:	December 9, 2004
EPA Task Monitor	:	Terry Stilman
Telephone No.	:	(404) 562-8748
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## **1.0 INTRODUCTION**

The Tetra Tech EM Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) received Technical Direction Document (TDD) No. 4T-04-07-A-011 from the U.S. Environmental Protection Agency (EPA) under Contract No. 68-W-00-120. Under this TDD, START assisted EPA in conducting removal assessment (RA) activities at the Seven Out, LLC Site, which is operating under the facility name of BCX Corporation. The facility is located in Waycross, Ware County, Georgia.

### **1.1 REPORT STRUCTURE**

This RA Report provides a review of the objectives of the RA, discusses the field and fixed laboratory activities that were performed, and presents and discusses the fixed laboratory analytical results of tank and soil samples that were collected at the site. The report is organized as follows:

- Section 1.0 presents the RA Reports' structure and the RA objectives;
- Section 2.0 provides facility background information;
- Section 3.0 describes the field and fixed laboratory activities conducted during this RA, and presents the fixed laboratory analytical results;
- Section 4.0 presents conclusions regarding the results of the RA; and
- Section 5.0 provides a list of references.

Appendices to this report present figures (Appendix A), fixed laboratory data tables (Appendix B), tank inventory logs (Appendix C), the fixed laboratory analytical data as presented by the laboratory (Appendix D), logbook notes (Appendix E), a photographic log (Appendix F), a table of witnesses (Appendix G), and the data validation report and qualified fixed laboratory analytical data tables (Appendix H).

## **1.2 REMOVAL ASSESSMENT OBJECTIVES**

The primary objectives of this RA were to: (1) collect information on current site conditions, including information regarding the presence and nature of contamination, (2) and to conduct RA sampling activities in support of assessing the need for a removal action at the site.

Planned RA activities included the following:

- Collect environmental samples;
- Interview the site owner and State representatives;
- Screen the site using air monitoring instruments;
- Photograph site features and sampling locations;
- Collect and prepare samples for fixed laboratory analysis;
- Prepare field sampling and chain-of-custody documentation; and
- Provide technical support for assessing the need for a removal action.

## **2.0 FACILITY BACKGROUND**

The Seven Out site is located at 901 Francis Street in Waycross, Ware County, Georgia. Appendix A, Figure 1 presents a topographic map of the area around the facility. The facility is less than 2 years old and operates as an industrial wastewater treatment facility. The property has 37 storage/treatment tanks and 4 frac tanks with a combined capacity of over 450,000 gallons. Wastewater is treated in batch mode. The treatment process is adjusted for each batch to ensure that the effluent meets pre-treatment standards. The facility uses sodium hydroxide, aluminum sulfate, ferric acid, and sulfuric acid to remove components of the wastewater through precipitation; these chemicals are stored on site in bulk tanks. Precipitated solids are sent to a filter press, after which the pressed solids are sent to the Broadhurst Environmental landfill in Screvin, Georgia. The treated wastewater is discharged to the City of Waycross publicly owned treatment works (POTW) using the City's collection system.

The City of Waycross issued Notices of Violation and an Administrative Order to the facility due to many exceedances of the company's pre-treatment permit. The facility received eight enforcement letters between May 2003 and December 2003 from the City of Waycross. The facility voluntarily ceased accepting industrial wastewater and stopped discharging to the Waycross POTW on March 1, 2004.

The BCX plant manager informed Georgia Department of Natural Resources (GADNR) personnel that no

documentation was available to demonstrate the exact contents of each tank. Some information on past customers and waste profiles were provided by GADNR to EPA, however, information on the current contents of the tanks was not available when preparing this RA report

### **3.0 FIELD AND FIXED LABORATORY ACTIVITIES**

The Tetra Tech START team mobilized to the site on August 23, 2004, and performed field activities through the morning of August 26, 2004. Field activities focused on collecting samples from onsite storage and treatment tanks, with an emphasis on the heavier fractions and sludges that might be present inside the tanks. Appendix A, Figure 2 presents the site layout, and shows the locations of many of the tanks from which samples were collected. Appendix C presents the tank inventory logs. Appendix E presents the field logbook notes that summarize the field activities. Appendix F contains a photographic log of specific site locations and activities.

Field activities were performed in accordance with the EPA Science and Ecosystem Support Division (SESD) Region 4 Environmental Investigation Standard Operating Procedures and Quality Assurance Manual (EISOPQAM) (Ref. 1). This guidance document specifically addresses sample types, sampling procedures, and field quality assurance and quality control samples. In addition, the Sampling and Analysis Plan prepared for this RA was also used as a guidance document when performing the RA activities (Ref. 2).

#### **3.1 SAMPLING LOCATIONS**

The tanks at the facility were labeled with designations specific to each tank. Samples collected from the tanks were named by using these tank designations, although in many cases the sample names contain additional lettering to provide further information about the sample. In particular, the letter "S" was appended to many sample names to indicate that the sample was taken from a sludge layer. In addition, the tank designated "DP-1" contained two layers from which samples were collected; the sample from the top layer was named "DP-1-S layer A", and the sample from the bottom layer was named "DP-1-S layer B." A total of 33 tank samples were collected.

Four surface soil samples were also collected for fixed laboratory analysis during the field investigation. A background soil sample was collected from a nearby private residential property located about 1,000 feet

west of the site (named "SO-BG.") Because discolored soil was observed in some areas, soil samples were collected from the following locations: a drainage ditch (named "SO-DD"), the frac tank area (named "SO-FRT"), and at the south wall of the tank farm (named "SO-SW). It is believed that one of the frac tanks discharged some of its contents and was the source of the soil discoloration that can be seen in Photograph No. 10 and Photograph No. 11

Quality control samples collected in the field included one trip blank sample (named "TB-1") that was analyzed for volatile organic compounds (VOC). In addition, one tank sample (named "CT-6-S") and one soil sample (named "SO-FRT") were designated on the chains-of-custody (COC) forms as samples to be analyzed as matrix spike and matrix spike duplicate (MS and MSD) samples, in addition to their routine analyses. In addition, selected samples were used for laboratory duplicate sample analysis for some analytical parameters.

The samples were preserved, packaged, and submitted to Analytical Environmental Services, Inc. (AES) in Atlanta, Georgia for analysis for various parameters.

### **3.2 FIXED LABORATORY ANALYTICAL RESULTS**

Appendix D contains a compact disc that presents in electronic form the entire AES data package, including all of the analytical results and raw data. The fixed laboratory (AES) analytical data were subjected to a data validation process; Appendix H presents the data validation report and a table containing the validation-qualified data. Appendix B, Tables 1 and 2 present a summary of the qualified fixed laboratory analytical results for the soil and tank samples. These tables summarize the positive analytical results and therefore do not contain all of the analytical results presented in Appendices D and H.

The following discussion of the data presented in Tables 1 and 2 summarizes the positive results and those results that exceeded certain remediation goals. In particular, the analytical results (excluding the toxicity characteristic leaching procedure [TCLP] results) presented in Table 1 for the soil samples were compared to the EPA Region 9 Preliminary Remediation Goals (PRG) for residential and industrial soils (Ref. 3); the PRGs appropriate to each analyte are included in Table 1 for convenience. As stated in the Region 9 website (provided in Ref. 3), the Region 9 PRGs "are risk-based concentrations that are intended to assist risk assessors and others in initial screening-level evaluations of environmental measurements. The PRGs contained in the Region 9 PRG Table are generic; they are calculated without site specific information". The website also states that "PRGs should be viewed as Agency guidelines, not legally enforceable

standards. They are used for site 'screening' and as initial cleanup goals, if applicable. PRGs are not *de facto* cleanup standards and should not be applied as such. However, they are helpful in providing long-term targets to use during the analysis of different remedial alternatives."

In addition, the TCLP analytical results presented in Appendix B, Tables 1 and 2 were compared to the appropriate maximum concentrations found in Table 1 of Title 40 of the Code of Federal Regulations, Part 261, Section 261.24 (40 CFR 261.24).

The surface soil analytical results presented in Appendix B, Table 1 show that measurable concentrations of TCLP lead were detected in sample SO-DD and SO-SW; the TCLP lead concentration in sample SO-DD (8.13 milligrams per liter [mg/L]) exceeded the TCLP maximum concentration standard presented in 40 CFR 261.24. Total metals were found at detectable concentrations in all four soil samples, and the background sample generally had the lowest metals concentrations among the sample set. Sample SO-SW contained total arsenic at a concentration (151 milligrams per kilogram [mg/kg]) that exceeded both the residential soil and industrial soil Region 9 PRGs. In addition, sample SO-SW contained total lead at a concentration (264 mg/kg) that exceeded the residential soil Region 9 PRG. The results for the analysis of the soil samples for volatile organic compounds (VOC) showed measurable concentrations of benzene (32 micrograms per kilogram [ $\mu\text{g/kg}$ ]) and carbon disulfide (10  $\mu\text{g/kg}$ ) in sample SO-DD; these concentrations are below the associated Region 9 PRGs for residential and industrial soils. Polynuclear aromatic hydrocarbons (PAH) were found at measurable concentrations in samples SO-DD and SO-SW. The concentrations of benz(a)anthracene, benzo(a)pyrene, benzo(k)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene in sample SO-SW exceeded both the residential soil and industrial soil Region 9 PRGs for those compounds. In addition, the concentration of benzo(b)fluoranthene in sample SO-SW exceeded the residential soil Region 9 PRG for this compound. Note that the reporting limits for arsenic, benzo(a)pyrene, and dibenz(a,h)anthracene for samples SO-BG, SO-DD, and SO-FRT are above the associated Region 9 PRGs for residential and industrial soils; it is therefore possible that these samples contain these analytes at concentrations above the PRGs.

The tank analytical results presented in Appendix B, Table 2 show that measurable concentrations of TCLP metals, total metals, VOCs and semivolatile organic compounds (SVOC) were detected in many of the samples collected from the tanks and frac tanks. None of the TCLP metals results presented in Table 2 exceeded the maximum concentrations for the toxicity characteristic for these analytes provided in 40 CFR 261.24.

Notable results among the four samples that were analyzed as solid samples (samples CD-1-S, CD-3-S, SH-4-S, and SS-2-S) include the following: sample SH-4-S contained lead at a concentration of 14 mg/kg; mercury was detected (at up to 0.00982 mg/kg) in all four samples; vanadium was detected at a concentration of 41 mg/kg in sample CD-3-S; acetone was detected (at up to 74,000 µg/kg in sample SH-4-S) in three of the four samples; sample SH-4-S also contained benzene at a concentration of 2,600 µg/kg; samples CD-3-S and SS-2-S contained measurable concentrations of 2-methylnaphthalene and phenanthrene; and sample SS-2-S contained a measurable concentration of naphthalene.

Notable results among the samples analyzed as liquid samples include the following: 2-butanone, 4-methyl-2-pentanone, acetone, and benzene were detected in many of the samples (with acetone at 270,000 micrograms per liter [µg/L] in sample SH-3-S and benzene at 2,300 µg/L in sample ST-1); xylenes and toluene were detected in sample DP-1-S layer B; sample OP-4-S contained phenol at a concentration of 180,000 µg/L; and sample CT-1-S contained several SVOCs, many at the highest concentrations detected for this set of samples.

#### **4.0 CONCLUSIONS**

From August 23 through 26, 2004, the Tetra Tech START team collected 33 tank and frac tank samples and 4 surface soil samples from the Seven Out, LLC Site in Waycross, Ware County, Georgia. The samples were analyzed for TCLP metals, total metals, VOCs and SVOCs. According to the National Contingency Plan (NCP), 40 CFR 300.415(b)(1), at any release, regardless of whether or not the site is included on the National Priorities List (NPL), where the lead agency makes the determination that there is a threat to public health or welfare of the United States or the environment, the lead agency may take any appropriate removal action to abate, prevent, minimize, stabilize, mitigate or eliminate the release or the threat of release. Based on the NCP and the fixed laboratory analytical results presented in this report, future removal activities may be justified at this site, at the discretion of the EPA.

## **5.0 REFERENCES**

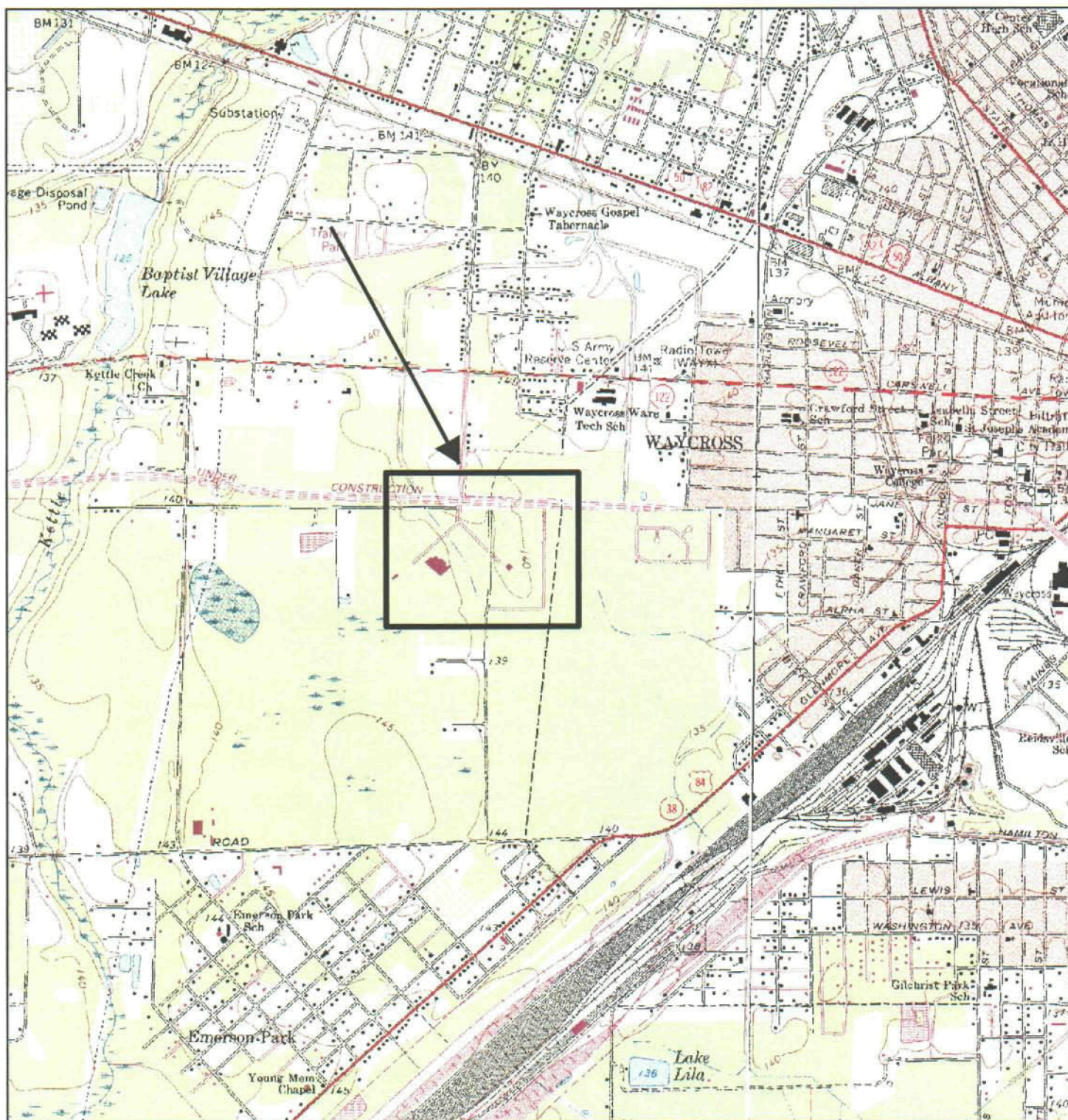
1. U.S. Environmental Protection Agency, Science and Ecosystem Support Division (SESD) Region 4 Environmental Investigation Standard Operating Procedures and Quality Assurance Manual (EISOPQAM), May 1996, Includes 1997 Revisions.
2. Tetra Tech EM, Inc., Removal Assessment, Sampling and Analysis Plan, Seven Out, LLC Site, Waycross, Ware County, Georgia, prepared for U.S. Environmental Protection Agency, Region 4, August 19, 2004.
3. U.S. Environmental Protection Agency, Region 9, Preliminary Remediation Goals Table, October 2004. This table can be found at the following web address:  
<http://www.epa.gov/region09/waste/sfund/prg/index.htm>.

## **APPENDIX A**

### **FIGURES**

(Three Sheets)





SOURCE: MODIFIED FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE: WAYCROSS EAST, GA 1993; WAYCROSS WEST, GA, 1993



Waycross, Ware County  
Georgia



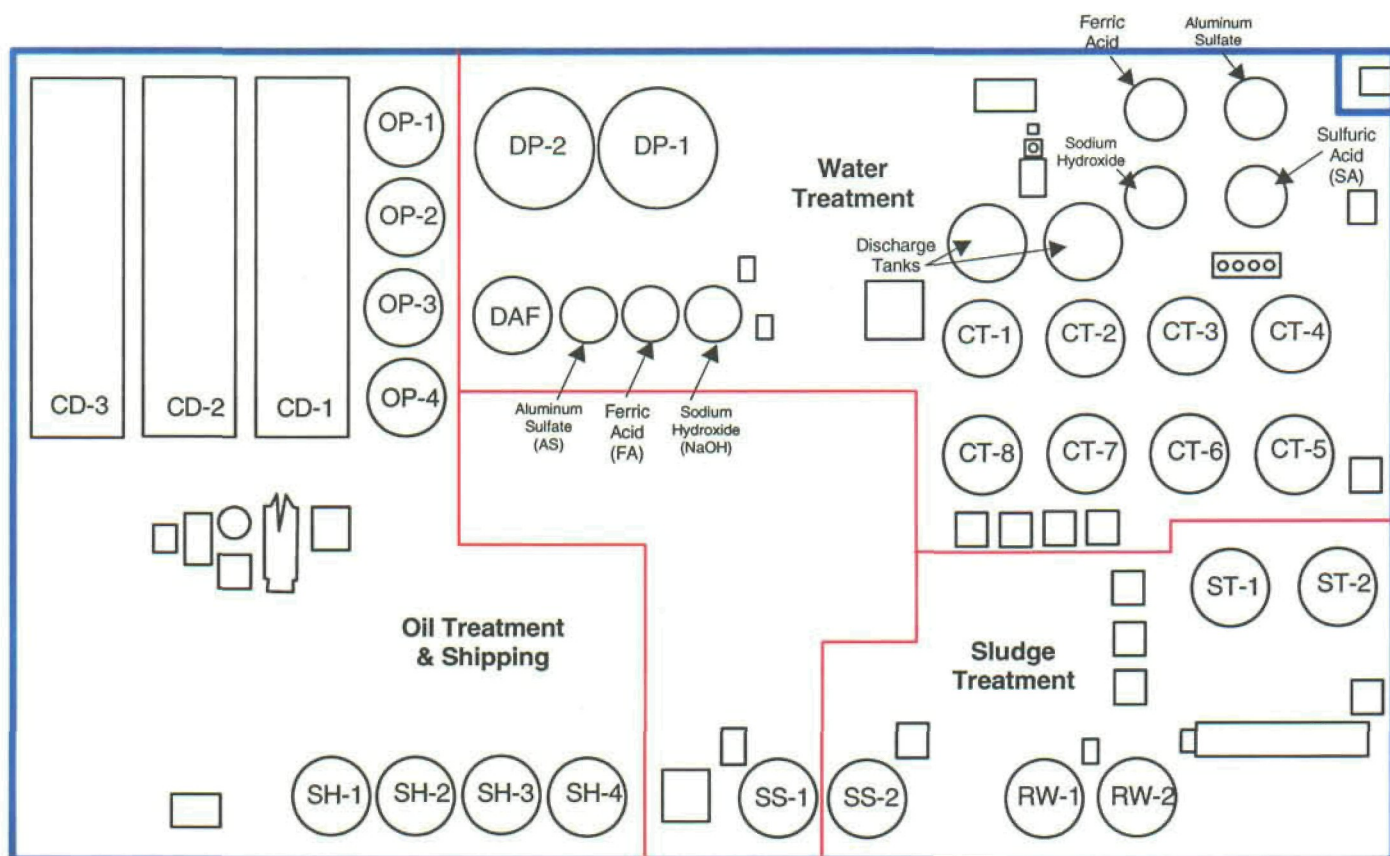
0 0.25 0.5 1  
Miles

**SEVEN OUT, LLC SITE**  
**WAYCROSS, WARE COUNTY, GEORGIA**  
**TDD No. 4T-04-07-A-011**

**FIGURE 1**  
**FACILITY LOCATION MAP**

**Tt Tetra Tech EM Inc.**





NOT TO SCALE

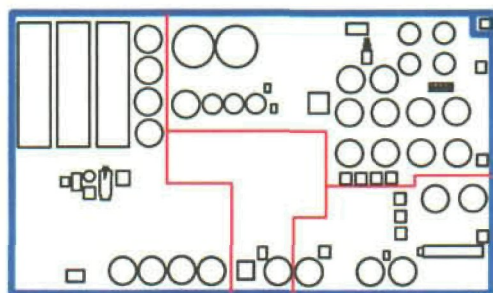


Waycross, Ware County  
Georgia

**SEVEN OUT, LLC SITE**  
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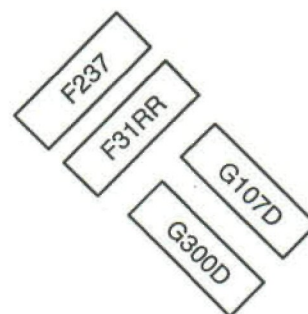
**FIGURE 2**  
**FACILITY LAYOUT MAP**

**Tetra Tech EM Inc.**



SO-SW      SO-DD

SO-FRT



#### LEGENG

- Soil sample
- FRAC Tank

NOT TO SCALE

SO-BG is the background soil sample and was sampled off site.  
The sample location is not depicted on this figure



Waycross, Ware County  
Georgia

**SEVEN OUT**  
**WAYCROSS, WARE COUNTY, GEORGIA**  
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**FIGURE 3 - FRAC TANKS  
AND SOIL SAMPLE LOCATIONS**

**Tt Tetra Tech EM Inc.**

## **APPENDIX B**

### **TABLES**

(9 Sheets)

**TABLE 1**  
**SURFACE SOIL ANALYTICAL RESULTS**

PARAMETER	Region 9 PRG Residential/Industrial Soil Screening Levels	Sample Identification			
		SO-BG	SO-DD	SO-FRT	SO-SW
TCLP Metals (mg/L)					
Lead	5.0 <sup>a</sup>	0.0500 U	8.1300	0.0500 U	0.0690
Metals (mg/kg)					
Aluminum	76,100 / 100,000	623	1860	586	2180
Arsenic	0.0616 <sup>b</sup> / 0.251 <sup>b</sup>	3.93 U	3.59 UJ	3.75 U	151
Barium	5,370 / 66,600	3.93 U	15.5	7.11	75.2
Calcium	NSA / NSA	234	7740	1530	3130
Chromium	211 / 448	1.96 U	7.93	1.87 U	8.69
Cobalt	903 / 1,920	1.96 U	1.8 U	1.87 U	3.46
Copper	3,130 / 40,900	1.96 U	59.2	17.8	107
Iron	23,500 / 100,000	596	4910	1080	10800
Lead	150 <sup>b</sup> / 800	3.93 U	17.7	10.8	264
Magnesium	NSA / NSA	39.3 U	507	58.5	143
Manganese	1,760 / 19,500	4.26	74.7	8.22	169
Nickel	1,560 / 20,400	3.93 U	3.59 U	3.75 U	4.62
Potassium	NSA / NSA	78.5 U	80.3 J	74.9 U	92.1 J
Sodium	NSA / NSA	247	470	389	204
Vanadium	78.2 / 1,020	3.93 U	5.34	3.75 U	8.58
Zinc	23,500 / 100,000	4.11	32.3	8.32	518
Mercury	23.5 / 307	0.0987 U	0.0992 U	0.0994 U	0.350
Volatile Organic Compounds (µg/kg)					
Benzene	643 / 1,410	6.6 UJ	32 J	5.3 U	3.8 UJ
Carbon disulfide	355,000 / 720,000	13 UJ	10 J	11 U	7.6 UJ
Semivolatile Organic Compounds (µg/kg)					
2-Methylnaphthalene	NSA / NSA	330 U	610	330 U	330 U
Acenaphthylene	NSA / NSA	330 U	330 U	330 U	1300
Anthracene	21,900,000 / 100,000,000	330 U	330 U	330 U	1000
Benz(a)anthracene	621 / 2,110	330 U	330 UJ	330 U	2400
Benzo(a)pyrene	62.1 / 211	330 U	330 U	330 U	2800
Benzo(b)fluoranthene	621 / 2,110	330 U	330 U	330 U	1800
Benzo(g,h,i)perylene	NSA / NSA	330 U	330 U	330 U	2400
Benzo(k)fluoranthene	378 <sup>b</sup> / 1,280 <sup>b</sup>	330 U	330 U	330 U	3200
Carbazole	24,300 / 86,200	330 U	330 U	330 U	370
Chrysene	3,780 <sup>b</sup> / 12,800 <sup>b</sup>	330 U	330 UJ	330 U	3100
Dibenz(a,h)anthracene	62.1 / 211	330 U	330 U	330 U	650
Di-n-butyl phthalate	6,110,000 / 61,600,000	330 U	1100	330 U	330 U
Fluoranthene	2,290,000 / 22,000,000	330 U	330 U	330 U	4600
Indeno(1,2,3-cd)pyrene	621 / 2,110	330 U	330 U	330 U	3000
Phenanthrene	NSA / NSA	330 U	400	330 U	1800
Pyrene	2,320,000 / 29,100,000	330 U	330 UJ	330 U	4000

Notes:

Values in bold = value is greater than the residential PRG for soil but less than the industrial PRG for soil.

Values in bold italics = value is greater than the residential and industrial PRGs for soil

\* = value exceeds the maximum concentration for the toxicity characteristic.

a = Maximum concentration for the toxicity characteristic, (see 40CFR261.24, Table 1)

b = CAL-Modified PRG value presented in the Region 9 PRG table.

BG = Background

DD = Drainage ditch

µg/kg = Micrograms per kilogram

mg/kg = Milligrams per kilogram

mg/L = Milligrams per liter

NSA = No standard available

PRG = Preliminary remedial goal

SO = Soil

SW = South wall of the tank farm

TCLP = Toxicity characteristic leaching procedure

U = Analyte was analyzed for but not detected at or above the associated value.

UJ = Analyte was analyzed for but not detected at or above the associated value, which is estimated

FRT = Frac tank area

**TABLE 2**  
**DRUMS AND TANKS ANALYTICAL RESULTS**

PARAMETERS	Sample Identification/Tank Identifier								
	AS-S/ AS	CD-1-S/ CD-1	CD-2-S/ CD-2	CD-3-S/ CD-3	CT-1-S/ CT-1	CT-2-S/ CT-2	CT-3-S/ CT-3	CT-4-S/ CT-4	CT-5-S/ CT-5
<b>TCLP Metals (mg/L)</b>									
Chromium	0.0500 U	0.1120	0.0500 U	0.0500 U	0.4520	0.0708	0.0500 U	0.0500 U	0.0500 U
Lead	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
<b>Metals</b>	<b>mg/L</b>	<b>mg/kg</b>	<b>mg/L</b>	<b>mg/kg</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
Aluminum	1.59 J	58	18 J	120	73.4 J	3.37 J	1.44 J	0.2 UJ	1.35 J
Antimony	0.0200 U	0.9800 U	0.0200 U	1.2000 U	0.0208	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Barium	0.0457 J	1.6	0.0854 J	3.7	0.135 J	0.0329 J	0.0502 J	0.0279 J	0.428 J
Cadmium	0.0050 U	0.4900 U	0.0080	0.5900 U	0.0278	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Calcium	124 J	340	377 J	130	370 J	382 J	691 J	269 J	416 J
Chromium	0.0190	0.4900 U	0.0743	0.6100	1.9200	0.1330	0.0469	0.0133	0.0413
Cobalt	0.0200 U	0.4900 U	0.0552	0.4900 U	0.0688	0.0200 U	0.0229	0.0200	0.0200 U
Copper	0.716	0.89	1.9	14	31.7	4.65	3.3	0.4	1.19
Iron	29.3	110	253	40	431	36	18.4	6.15	101
Lead	0.0200	0.9800 U	0.0173	2.6000	0.0388	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Magnesium	22.8	9.8 U	44.3	12 U	25.7	14.4	54.3	42.5	27.1
Manganese	0.968	1.3	6.95	1.2 U	6.5	1.96	2.83	0.444	2.4
Nickel	0.108	0.98 U	0.301	1.2 U	1.65	0.209	0.227	0.17	0.141
Potassium	36.0	400.0	342.0	240.0	51.5	47.0	123.0	126.0	64.0
Selenium	0.0200 U	0.9800 U	0.0200 U	1.2000 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Sodium	434	3300	3680	1700	1460	1950	3190	2620	2000
Vanadium	0.0100 U	0.9800 U	0.0100 U	41.0000	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Zinc	0.356	2.5 J	5.96	6.3 J	9.52	2.27	1.38	1.19	5.58
Mercury	0.000244	0.00981 U	0.0002 U	0.00934 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
<b>Volatile Organic Compounds</b>	<b>ug/L</b>	<b>ug/kg</b>	<b>ug/L</b>	<b>ug/kg</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>
1,2-Dichlorobenzene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
2-Butanone	100 U	5000 U	250	5000 U	100 U	100 U	100 U	460	100 U
4-Methyl-2-pentanone	310	5000 U	110	5000 U	100 U	330	390	550	120
Acetone	3800	11000	11000 J	10000 U	700	1300	2200	2000	1000
Benzene	50 U	2500 U	640	2500 U	310	54	57	50 U	190
Carbon disulfide	50 U	5000 U	50 U	5000 U	140	50 U	50 U	50 U	50 U
Chloroform	50 U	2500 U	62	2500 U	50 U	50 U	50 U	50 U	50 U
Isopropylbenzene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
m,p-Xylene	100 U	5000 U	100 U	5000 U	100 U	100 U	100 U	100 U	100 U
Methyl tert-butyl ether	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
o-Xylene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
Toluene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U

**TABLE 2  
DRUMS AND TANKS ANALYTICAL RESULTS**

PARAMETERS	Sample Identification/Tank Identifier								
	AS-S/ AS	CD-1-S/ CD-1	CD-2-S/ CD-2	CD-3-S/ CD-3	CT-1-S/ CT-1	CT-2-S/ CT-2	CT-3-S/ CT-3	CT-4-S/ CT-4	CT-5-S/ CT-5
<b>Semivolatile Organic Compounds</b>	<b>ug/L</b>	<b>mg/kg</b>	<b>ug/L</b>	<b>mg/kg</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>
1,1'-Biphenyl	100 U	96 U	200 U	98 U	490	100 U	100 U	100 U	500 U
2-Methylnaphthalene	100 U	96 U	1900	450	4000	120	290	100 U	1300
4-Methylphenol	410	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Bis(2-ethylhexyl)phthalate	110	96 U	880	98 UJ	2400	100 U	100 UJ	100 U	500 UJ
Diethyl phthalate	100 U	96 U	2400	98 U	420	170	370	160	500 U
Dimethyl phthalate	100 U	96 U	200 U	98 U	200 U	100 U	270	100 U	500 U
Di-n-butyl phthalate	100 U	96 U	200 U	98 U	2200	100 U	230	100 U	680
Fluorene	100 U	96 U	200 U	98 U	1200	100 U	100 U	100 U	500 U
Isophorone	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Naphthalene	100 U	96 U	1000	98 U	1000	100 U	110	100 U	500
Phenanthrene	100 U	96 U	200 U	260	1000	100 U	100 U	100 U	500 U
Phenol	100 U	96 U	11000	98 U	5900	5300	27000	40000	14000
Pyrene	100 U	96 U	200 U	98 UJ	1400	100 U	100 UJ	100 U	500 UJ

**Notes:**

J = The associated value is the approximate concentration of the analyte in the sample.

ug/Kg = Micrograms per kilogram

ug/L = Micrograms per liter

mg/Kg = Milligrams per kilogram

mg/L = Milligrams per liter

NA = The analyte was not analyzed for

TB-1 = Trip blank

TCLP = Toxicity characteristic leaching procedure

U = Analyte was analyzed for but not detected at or above the associated value

UJ = Analyte was analyzed for but not detected at or above the associated value, which is estimated

**TABLE 2**  
**DRUMS AND TANKS ANALYTICAL RESULTS**

PARAMETERS	Sample Identification/Tank Identifier							
	CT-6-S/ CT-6	CT-7/ CT-7	CT-8/ CT-8	DAF-S/ DAF	DP-1-S layer A/ DP-1	DP-1-S layer B/ DP-1	DP-2-S/ DP-2	F237/ F237
<b>TCLP Metals (mg/L)</b>								
Chromium	0.0500 U	0.0500 U	0.0655	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Lead	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0630
<b>Metals</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
Aluminum	0.2 UJ	1.16 J	3.43 J	0.2 UJ	6.62 J	92 J	0.2 UJ	1 UJ
Antimony	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.1000 U	0.0200 U	0.1000 U
Barium	0.0312 J	0.0536 J	0.0542 J	0.02 UJ	0.063 J	0.55 J	0.02 UJ	0.1 UJ
Cadmium	0.0050 U	0.0050 U	0.0088	0.0050 U	0.0050 U	0.0250 U	0.0050 U	0.0250 U
Calcium	60.8 J	730 J	573 J	21.3 J	716 J	989 J	22.1 J	7.23 J
Chromium	0.0104	0.0113	0.1330	0.0100 U	0.0387	0.1830	0.0100 U	0.0500 U
Cobalt	0.0200 U	0.0200 U	0.0506	0.0200 U	0.0315	0.1000 U	0.0200 U	0.1000 U
Copper	0.437	2.25	3.3	0.01 U	11	13.1	0.353	0.142
Iron	2.52	16.1	40.5	7.05	31.3	232	2.38	11.1
Lead	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0386	0.1070	0.0100 U	0.0500 U
Magnesium	56.5	41.2	37.3	1.99	43.7	69.8	36.2	0.902
Manganese	0.396	1.39	2.33	0.0726	2.16	4.45	0.218	0.112
Nickel	0.124	0.203	1.44	0.0338	0.203	0.326	0.0753	0.1 U
Potassium	93.1	125.0	70.5	3.4	385.0	477.0	110.0	7.2
Selenium	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.1000 U	0.0200 U	0.1000 U
Sodium	1960	3030	2080	23.3	2290	3150	1660	1450
Vanadium	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0500 U	0.0100 U	0.0500 U
Zinc	0.222	1.8	4.1	0.02 U	2.58	3.01	0.108	2.03
Mercury	0.0002 U	0.000443	0.0002 U	0.0002 U	0.000203	0.00029	0.0002 U	0.0002 U
<b>Volatile Organic Compounds</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/kg</b>	<b>ug/L</b>
1,2-Dichlorobenzene	50 U	50 U	50 U	5 U	560	100 U	100 U	100 U
1,4-Dichlorobenzene	50 U	50 U	50 U	5 U	100 U	780	100 U	100 U
2-Butanone	440	100 U	100 U	10 U	350	970	200 J	200 U
4-Methyl-2-pentanone	290	300	400	10 U	480	200 U	200 UJ	200 U
Acetone	3000	3700	1500	20 UJ	28000	52000	7300 J	400 U
Benzene	50 U	370	82	5 U	920	1600	120 J	100 U
Carbon disulfide	91	50 U	200	5 U	100 U	550	360 J	100 U
Chloroform	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U
Isopropylbenzene	50 U	50 U	50 U	5 U	420	770	100 U	100 U
m,p-Xylene	100 U	100 U	100 U	10 U	200 U	240	200 UJ	200 U
Methyl tert-butyl ether	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U
o-Xylene	50 U	50 U	50 U	5 U	400	440	100 UJ	100 U
Toluene	50 U	50 U	50 U	5 U	100 U	130	100 UJ	100 U



**TABLE 2**  
**DRUMS AND TANKS ANALYTICAL RESULTS**

PARAMETERS	Sample Identification/Tank Identifier							
	CT-6-S/ CT-6	CT-7/ CT-7	CT-8/ CT-8	DAF-S/ DAF	DP-1-S layer A/ DP-1	DP-1-S layer B/ DP-1	DP-2-S/ DP-2	F237/ F237
<b>Semivolatile Organic Compounds</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>
1,1'-Biphenyl	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U
2-Methylnaphthalene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U
4-Methylphenol	1700	1000 U	1000 U	100 U	1000 UJ	5000 UJ	100 U	100 U
Bis(2-ethylhexyl)phthalate	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U
Diethyl phthalate	100 U	1000 U	1000 U	100 U	1000 UJ	5700	100 U	100 U
Dimethyl phthalate	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	510	100 U
Di-n-butyl phthalate	100 U	1000 U	1000 U	100 U	1000 UJ	12000	100 U	100 U
Fluorene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U
Isophorone	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	150
Naphthalene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U
Phenanthrene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U
Phenol	20000	48000 J	15000 J	100 U	1000 UJ	12000 J	1300	260
Pyrene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U

Notes:

J = The associated value is the approximate concentration of the analyte in the sample.

ug/Kg = Micrograms per kilogram

ug/L = Micrograms per liter

mg/Kg = Milligrams per kilogram

mg/L = Milligrams per liter

NA = The analyte was not analyzed for

TB-1 = Trip blank

TCPLP = Toxicity characteristic leaching procedure

U = Analyte was analyzed for but not detected at or above the associated value

UJ = Analyte was analyzed for but not detected at or above the associated value, which is estimated

**TABLE 2**  
**DRUMS AND TANKS ANALYTICAL RESULTS**

PARAMETERS	Sample Identification/Tank Identifier								
	FA-S/ FA	G107D/ G107D	G300D/ G300D	NAOH/ NAOH	OP-4-S/ OP-4	RW-1-S/ RW-1	RW-2-S/ RW-2	SH-1-S/ SH-1	SH-2-S/ SH-2
<b>TCLP Metals (mg/L)</b>									
Chromium	0.0500 U	0.0500 U	0.0500 U	NA	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.3020
Lead	0.0500 U	0.0500 U	0.0724	NA	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0690
<b>Metals</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
Aluminum	0.287 J	2.22 J	1 UJ	2 UJ	2.9 J	0.795 J	0.948 J	1.48 J	400 J
Antimony	0.0200 U	0.0200 U	0.1000 U	0.2000 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Barium	0.02 UJ	0.175 J	0.1 UJ	0.2 UJ	0.0733 J	0.02 UJ	0.0221 J	0.095 J	0.0461 J
Cadmium	0.0050 U	0.0050 U	0.0250 U	0.0500 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0177
Calcium	164 J	182 J	8.73 J	528 J	420 J	381 J	770 J	473 J	360 J
Chromium	0.0100 U	0.0100 U	0.0500 U	0.1000 U	0.0253	0.0100 U	0.0100 U	0.0276	0.3430
Cobalt	0.0200 U	0.0200 U	0.1000 U	0.0200 U	0.0250	0.0200 U	0.0200 U	0.0301	0.0716
Copper	0.0388	0.13	0.05 U	0.18	0.45	0.0488	0.119	0.172	10.9
Iron	5.53	140	5.47	20.5	116	19.1	4.47	68.2	700
Lead	0.0100 U	0.0100 U	0.0500 U	0.1000 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0689
Magnesium	25.1	26.1	1.25	42.2	49.7	7.72	4.56	59.6	114
Manganese	1.36	3.09	0.123	2.77	6.42	0.343	0.411	3.87	9.71
Nickel	0.109	0.139	0.1 U	0.2 U	0.374	0.0718	0.0475	0.223	0.371
Potassium	42.1	94.1	8.3	62.3	216.0	82.3	32.4	249.0	312.0
Selenium	0.0200 U	0.0200 U	0.1000 U	0.2000 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Sodium	507	3640	1120	727	2780	1660	1550	3390	3380
Vanadium	0.0100 U	0.0100 U	0.0500 U	0.1000 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Zinc	0.111	1.38	0.7	0.425	4.05	0.38	0.766	4.67	13.8
Mercury	0.0002 U	0.0002 U	0.0016 U	0.0016 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
<b>Volatile Organic Compounds</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>
1,2-Dichlorobenzene	50 U	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	50 U	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
2-Butanone	100 U	180	200 U	200 U	2200	440	100 U	380	220
4-Methyl-2-pentanone	100 U	100 U	200 U	850	510	340	100 U	410	420
Acetone	3700	8600	400 U	6100	51000 J	10000	1100	34000	21000
Benzene	50 U	50 U	100 U	500	1200	160	50 U	860	790
Carbon disulfide	74	50 U	100 U	770	50 U	50 U	50 U	50 U	50 U
Chloroform	50 U	50 U	100 U	100 U	93	50 U	50 U	50 U	50 U
Isopropylbenzene	50 U	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
m,p-Xylene	100 U	100 U	200 U	200 U	100 U	100 U	100 U	100 U	100 U
Methyl tert-butyl ether	50 U	50 U	100 U	100 U	89	50 U	50 U	78	50 U
o-Xylene	50 U	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
Toluene	50 U	50 U	100 U	100 U	50 U	50 U	50 U	50 U	54

**TABLE 2  
DRUMS AND TANKS ANALYTICAL RESULTS**

PARAMETERS	Sample Identification/Tank Identifier								
	FA-S/ FA	G107D/ G107D	G300D/ G300D	NAOH/ NAOH	OP-4-S/ OP-4	RW-1-S/ RW-1	RW-2-S/ RW-2	SH-1-S/ SH-1	SH-2-S/ SH-2
<b>Semivolatile Organic Compounds</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>
1,1'-Biphenyl	1000 U	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U
2-Methylnaphthalene	1000 U	1000 U	100 U	1000 U	100 U	190	100 U	1000 U	1000 U
4-Methylphenol	1000 U	1000 U	100 U	3800	100 U	100 U	100 U	1000 U	1000 UJ
Bis(2-ethylhexyl)phthalate	1000 U	1000 U	100 U	1600	170	100 U	100 U	1000 UJ	1000 UJ
Diethyl phthalate	1000 U	1000 U	100 U	1000 U	320	100 U	100 U	1000 U	1000 U
Dimethyl phthalate	1000 U	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U
Di-n-butyl phthalate	1000 U	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1500
Fluorene	1000 U	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U
Isophorone	1000 U	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U
Naphthalene	1000 U	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U
Phenanthrene	1000 U	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U
Phenol	1000 U	30000 J	170	1000 U	180000 J	11000	770	14000	1000 UJ
Pyrene	1000 U	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 UJ	1000 UJ

Notes:

J = The associated value is the approximate concentration of the analyte in the sample.

ug/Kg = Micrograms per kilogram

ug/L = Micrograms per liter

mg/Kg = Milligrams per kilogram

mg/L = Milligrams per liter

NA = The analyte was not analyzed for

TB-1 = Trip blank

TCLP = Toxicity characteristic leaching procedure

U = Analyte was analyzed for but not detected at or above the associated value

UJ = Analyte was analyzed for but not detected at or above the associated value, which is estimated

**TABLE 2  
DRUMS AND TANKS ANALYTICAL RESULTS**

PARAMETERS	Sample Identification/Tank Identifier							
	SH-3-S/ SH-3	SH-4-S/ SH-4	Sodium Hydroxide/ Sodium Hydroxide	SS-1-S/ SS-1	SS-2-S/ SS-2	ST-1/ ST-1	Sulfuric Acid/ Sulfuric Acid	TB-1/ (not applicable)
<b>TCLP Metals (mg/L)</b>								
Chromium	0.0500 U	0.0500 U	NA	0.0500 U	0.0500 U	NA	NA	NA
Lead	0.0500 U	0.0500 U	NA	0.0500 U	0.0500 U	NA	NA	NA
<b>Metals</b>	<b>mg/L</b>	<b>mg/kg</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/kg</b>	<b>mg/L</b>	<b>mg/L</b>	<b>NA</b>
Aluminum	0.746 J	63	2 UJ	63.7 J	390	268 J	3.2 J	NA
Antimony	0.0200 U	1.0000 U	0.2000 U	0.0200 U	0.9778 U	0.2000 U	0.2000 U	NA
Barium	0.0455 J	1.2	0.2 UJ	0.281 J	4.8 J	2.4 J	0.2 UJ	NA
Cadmium	0.0050 U	0.5000 U	0.0500 U	0.0064	0.4889 U	0.0806	0.0500 U	NA
Calcium	405 J	610	2.86 J	503 J	510	480 J	8.49 J	NA
Chromium	0.0292	0.5000 U	0.1000 U	0.0299	0.4889 U	6.3800	0.9310	NA
Cobalt	0.0200 U	0.5000 U	0.2000 U	0.0200 U	0.4889 U	0.2000 U	0.2000 U	NA
Copper	0.0662	13	0.1 U	1.12	18	14.4	0.1 U	NA
Iron	5.59	160	3.58	221	100	2200	20	NA
Lead	0.0100 U	14.0000	0.1000 U	0.0100 U	0.9778 U	0.4310	0.1000 U	NA
Magnesium	45.5	59	1 U	60.5	18	64.2	2.81	NA
Manganese	2.3	7.9	0.05 U	5.76	3.5	29.3	0.23	NA
Nickel	0.145	1 U	0.2 U	0.137	0.977842 U	3.43	0.738	NA
Potassium	367.0	320.0	113.0	115.0	890.0	76.3	5.0 U	NA
Selenium	0.0200 U	1.0000 U	0.2000 U	0.0200 U	0.9778 U	0.2000 U	0.7250	NA
Sodium	4170	1600	188000	2040	6800	1780	10 U	NA
Vanadium	0.0100 U	1.0000 U	0.1000 U	0.0100 U	1.9000	0.1000 U	0.1000 U	NA
Zinc	0.437	2.8 J	0.2 U	9.16	2.3 J	21	0.2 U	NA
Mercury	0.0002 U	0.00979 U	0.00218	0.0002 U	0.009823 U	0.00277	0.0057	NA
<b>Volatile Organic Compounds</b>	<b>ug/L</b>	<b>ug/kg</b>	<b>NA</b>	<b>ug/L</b>	<b>ug/kg</b>	<b>ug/L</b>	<b>NA</b>	<b>ug/kg</b>
1,2-Dichlorobenzene	50 U	2500 U	NA	50 U	2500 U	100 U	NA	5 U
1,4-Dichlorobenzene	50 U	2500 U	NA	50 U	2500 U	100 U	NA	5 U
2-Butanone	400	5000 U	NA	140	5000 U	200 U	NA	10 UJ
4-Methyl-2-pentanone	420	5000 U	NA	300	5000 U	200 U	NA	10 U
Acetone	270000 J	74000	NA	19000	18000	860	NA	20 UJ
Benzene	290	2600	NA	900	2500 U	2300	NA	5 U
Carbon disulfide	50 U	5000 U	NA	110	5000 U	850	NA	5 U
Chloroform	50 U	2500 U	NA	50 U	2500 U	100 U	NA	5 U
Isopropylbenzene	50 U	2500 U	NA	50 U	2500 U	100 U	NA	5 U
m,p-Xylene	100 U	5000 U	NA	100 U	5000 U	200 U	NA	10 U
Methyl tert-butyl ether	50 U	2500 U	NA	50 U	2500 U	100 U	NA	5 U
o-Xylene	50 U	2500 U	NA	50 U	2500 U	100 U	NA	5 U
Toluene	50 U	2500 U	NA	50 U	2500 U	100 U	NA	5 U

**TABLE 2  
DRUMS AND TANKS ANALYTICAL RESULTS**

PARAMETERS	Sample Identification/Tank Identifier							
	SH-3-S/ SH-3	SH-4-S/ SH-4	Sodium Hydroxide/ Sodium Hydroxide	SS-1-S/ SS-1	SS-2-S/ SS-2	ST-1/ ST-1	Sulfuric Acid/ Sulfuric Acid	TB-1/ (not applicable)
<b>Semivolatile Organic Compounds</b>	<b>ug/L</b>	<b>mg/kg</b>	<b>ug/L</b>	<b>ug/L</b>	<b>mg/kg</b>	<b>ug/L</b>	<b>ug/L</b>	<b>NA</b>
1,1'-Biphenyl	1000 U	93 U	1000 U	1000 U	97.08738 U	1000 U	1000 U	NA
2-Methylnaphthalene	1000 U	93 U	1000 U	1000 U	440	2000	1000 U	NA
4-Methylphenol	1000 UJ	93 U	1000 U	1000 U	97.08738 U	1000 U	1000 U	NA
Bis(2-ethylhexyl)phthalate	1000 U	93 U	1000 U	1000 UJ	97.08738 U	1000 U	1100	NA
Diethyl phthalate	2100	93 U	1000 U	1000 U	97.08738 U	1000 U	1000 U	NA
Dimethyl phthalate	1000 U	93 U	1000 U	1000 U	97.08738 U	1000 U	1000 U	NA
Di-n-butyl phthalate	1000 U	93 U	1000 U	1000 U	97.08738 U	1000 U	1000 U	NA
Fluorene	1000 U	93 U	1000 U	1000 U	97.08738 U	1000 U	1000 U	NA
Isophorone	1000 U	93 U	1000 U	1000 U	97.08738 U	1000 U	1000 U	NA
Naphthalene	1000 U	93 U	1000 U	1000 U	170	1000 U	1000 U	NA
Phenanthrene	1000 U	93 U	1000 U	1000 U	140	1000 U	1000 U	NA
Phenol	40000 J	93 U	1000 U	18000	97.08738 U	1000 U	1000 U	NA
Pyrene	1000 U	93 U	1000 U	1000 UJ	97.08738 U	1000 U	1000 U	NA

Notes:

J = The associated value is the approximate concentration of the analyte in the sample.

ug/Kg = Micrograms per kilogram

ug/L = Micrograms per liter

mg/Kg = Milligrams per kilogram

mg/L = Milligrams per liter

NA = The analyte was not analyzed for

TB-1 = Trip blank

TCLP = Toxicity characteristic leaching procedure

U = Analyte was analyzed for but not detected at or above the associated value

UJ = Analyte was analyzed for but not detected at or above the associated value, which is estimated

**APPENDIX C**  
**TANK INVENTORY LOGS**  
(33 Sheets)



## DRUM INVENTORY LOG

Drum Number: <u>CT-1</u>	Sampler: <u>A. WHITT</u>	Time: <u>1605</u>
Site Name:	Location: <u>Back Room</u>	Date: <u>8/23/2004</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:		Present / Missing	Ring-top:	Present / Missing		
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:		Steel	Poly	Fiber	Overpack Size:	

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ayer	iquid	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	X				colorless	X			13 FT		
B					Brown-green		X		5 FT		
C											

Drum Labels / Markings

DOT

UN / NA

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: 1 FT 9 inches from Top

Hazcat Data										Hazard Category:									
Radiation Positive * Negative MREM / HR										Analyst: _____ Date Performed: _____									
Physical State					Color	Clarity			Water Sol	React *	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Combust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ayer	iquid	olid	el	ludge		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or
A																			
B																			
C																			

PCB Concentration \_\_\_\_\_ Other Test: \_\_\_\_\_ Spillfyer Strip: \_\_\_\_\_

Comments \_\_\_\_\_

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>CT-2</u>	Sampler: <u>A WHITT</u>	Time: <u>0800</u>
Site Name:	Location: <u>Tank Farm</u>	Date: <u>8/24/04</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:		Present / Missing	Ring-top:	Present \ Missing		
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:		Steel	Poly	Fiber	Overpack Size:	

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ay	iqu	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	X				colorless	X			13.5T	Drum Labels / Markings	
B					Brown-grime		X		5A	DOT	
C										UN / NA	

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: 1 ft 10 inches from top

Hazard Data										Hazard Category:									
Radiation Positive * _____										Analyst: _____									
Negative _____										Date Performed: _____									
MREM / HR																			
Physical State					Color	Clarity			Water Sol	React *	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com-bust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ay	iqu	olid	el	ludge		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or
A										Water	unit	I	-	-	-	-	-	-	-
B																			
C																			

PCB Concentration _____	Other Test: _____	Spillfyer Strip: _____
Comments _____		

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.





# DRUM INVENTORY LOG

Drum Number: <u>CT-3</u>	Sampler: <u>A. White</u>	Time: <u>0830</u>
Site Name:	Location: <u>Tank Farm</u>	Date: <u>8/24/2004</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:	Present / Missing	Ring-top:	Present \ Missing			
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:	Steel	Poly	Fiber	Overpack Size:		

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ayers	iquid	olid	el	ludged		lear	loudy	paque		CGI	OVA / FID
A	X				<u>Colorless</u>	X			<u>13 ft</u>	Drum Labels / Markings	
B					<u>Red-Brown</u>		X		<u>5 ft</u>	DOT	
C										UN / NA	

Mfg. Name and Address:		
Chemical Name:		
Additional Information:	<u>2 ft from Top</u>	

Hazcat Data										Hazard Category:									
Radiation										Analyst:									
Positive *										Date Performed:									
Negative										MREM / HR									
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com bust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ayers	iquid	olid	el	ludged		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or
A										Water <td>unit <td>I <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </td></td>	unit <td>I <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </td>	I <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>	-	-	-	-	-	-	-
B																			
C																			

PCB Concentration	Other Test:	Spilfyter Strip:
Comments		

Bulk Group:	Waste Stream:
Bulk Group Number:	Waste Stream Number:

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>CT-4</u>	Sampler: <u>A white</u>	Time: <u>0900</u>							
Site Name:	Location: <u>Thick Farm</u>	Date: <u>6/24/04</u>							
TDD #:	Weather/Temperature:								
Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:	Present / Missing	Ring-top:	Present \ Missing			
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:	Steel	Poly	Fiber	Overpack Size:		

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ay	iquid	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	X				colorless		X		17 FT	Drum Labels / Markings	
B										DOT	
C										UN / NA	

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: 1 FT 7 inches

Hazcat Data										Hazard Category:									
Radiation Positive * _____										Analyst: _____									
Negative _____										Date Performed: _____									
MREM / HR																			
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Combust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ay	iquid	olid	el	ludge		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or
A										Water	unit	I	-	-	-	-	-	-	-
B																			
C																			

PCB Concentration \_\_\_\_\_

Other Test: \_\_\_\_\_

Spillfyter Strip: \_\_\_\_\_

Comments \_\_\_\_\_

Bulk Group: \_\_\_\_\_

Waste Stream: \_\_\_\_\_

Bulk Group Number: \_\_\_\_\_

Waste Stream Number: \_\_\_\_\_

If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>LT-S-S</u>	Sampler: <u>A WHITT</u>	Time: <u>0915</u>
Site Name:	Location:	Date: <u>8/24/04</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:		Present / Missing	Ring-top:	Present \ Missing		
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:		Steel	Poly	Fiber	Overpack Size:	

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ay	iqu	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A				X	Brown-stripe			X	lin	Drum Labels / Markings	
B	X				colorless	X			17PT	DOT	
C				X	Brown		X		5PT	UN / NA	

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: \_\_\_\_\_

Hazcat Data										Hazard Category:									
Radiation Positive * _____										Analyst: _____									
Negative _____										Date Performed: _____									
MREM / HR																			
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ay	iqu	olid	el	ludge		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or
A										Water	unit	I	-	-	-	-	-	-	-
B																			
C																			

PCB Concentration _____	Other Test: _____	Spilfyter Strip: _____
Comments _____		

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>OP-4</u>	Sampler: <u>A WHITT</u>	Time: <u>1100</u>
Site Name:	Location:	Date: <u>8/24/04</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:	Present / Missing	Ring-top:	Present / Missing			
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:	Steel	Poly	Fiber	Overpack Size:		

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ayer	iquid	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	X				colorless	X					
B	X				Brown/green				4 ft		
C				X					5 inches		

Mfg. Name and Address:											
Chemical Name:											
Additional Information:											

Hazcat Data										Hazard Category:									
Radiation Positive * Negative MREM / HR										Analyst:									
										Date Performed:									
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com-bust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ayer	iquid	olid	el	ludge		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or
A																			
B																			
C																			

PCB Concentration	Other Test:	Spillfyer Strip:
Comments		

Bulk Group:	Waste Stream:
Bulk Group Number:	Waste Stream Number:

If material is Positive for radioactivity or reactivity, perform no further tests.



# DRUM INVENTORY LOG

Drum Number: <u>SH-1-S</u>	Sampler: <u>A VHTT</u>	Time: <u>1320</u>
Site Name:	Location: <u>Tank Farm</u>	Date: <u>8/24/04</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:	Present / Missing	Ring-top:	Present / Missing			
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:	Steel	Poly	Fiber	Overpack Size:		

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ayers	iquid	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	X				Colorless	X			All	Drum Labels / Markings	
B										DOT	
C										UN / NA	

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: \_\_\_\_\_

Hazcat Data										Hazard Category:									
Radiation Positive * _____										Analyst: _____									
Negative _____ MREM / HR										Date Performed: _____									
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Combust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ayers	iquid	olid	el	ludge		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or
A										Water	unit	I	-	-	-	-	-	-	-
B																			
C																			

PCB Concentration \_\_\_\_\_ Other Test: \_\_\_\_\_ Spilfyter Strip: \_\_\_\_\_

Comments \_\_\_\_\_

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>SH-2-S</u>	Sampler: <u>A WHITT</u>	Time: <u>1350</u>
Site Name:	Location: <u>Frank Farm</u>	Date: <u>8/24/04</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:	Present / Missing	Ring-top:	Present \ Missing			
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:	Steel	Poly	Fiber	Overpack Size:		

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH <u>4</u>	PID
a	i	o	e	l		e	l	p		CGI	OVA / FID
y	q	i				a	o	a			
e	u	d				r	Other				
r										Drum Labels / Markings	
s										DOT	
										UN / NA	

Mfg. Name and Address:											
Chemical Name:											
Additional Information:											

Hazcat Data										Hazard Category:										
Radiation Positive * Negative MREM / HR										Analyst:										
										Date Performed:										
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com-bust	
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+	
a	i	o	e	l		e	l	p		or	std.	or	or	or	or	or	or	or	or	or
y	q	i				a	o	a		Water	unit	I	-	-	-	-	-	-	-	-
e	u	d				r														
r																				
s																				

PCB Concentration	Other Test:	Spillfyer Strip:
Comments		

Bulk Group:	Waste Stream:
Bulk Group Number:	Waste Stream Number:

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>SH-3-S</u>	Sampler: <u>A whiff</u>	Time: <u>1420</u>							
Site Name:	Location: <u>Tank farm</u>	Date: <u>8/24/04</u>							
TDD #:	Weather/Temperature:								
Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:	Present / Missing	Ring-top:	Present / Missing			
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:	Steel	Poly	Fiber	Overpack Size:		

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
a	l	o	e	l		l	l	p		CGI	OVA / FID
y	q	l		u		e	o	u			
e	u			d		a	o			Other	
r	i			g						Drum Labels / Markings	
s	d			e						DOT	
A	X				Black			X		UN / NA	
B											
C											

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: \_\_\_\_\_

Hazcat Data										Hazard Category:										
Radiation Positive * _____										Analyst: _____										
Negative _____ MREM / HR										Date Performed: _____										
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Combust	
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+	
a	l	o	e	l		e	l	l		p	or	std.	or	or	or	or	or	or	or	or
y	q	l		u		a	o	u			Water	unit	I	-	-	-	-	-	-	-
e	u			d																
r	i			g																
s	d			e																
A																				
B																				
C																				

PCB Concentration _____	Other Test: _____	Spillfyer Strip: _____
Comments _____		
_____		
_____		

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>SH-4-S</u>	Sampler: <u>A V Hitt</u>	Time: <u>1516</u>
Site Name:	Location: <u>Frank Fenn</u>	Date: <u>8/24/04</u>
TDD #:	Weather/Temperature:	

Drum Color:

Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:	Present / Missing	Ring-top:	Present / Missing			
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:	Steel	Poly	Fiber	Overpack Size:		

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ayer	iquid	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	X				<u>Black</u>			X	<u>1 in</u>		
B	X				<u>Colorless</u>	X					
C											

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: \_\_\_\_\_

Hazcat Data										Hazard Category:									
Radiation Positive * _____										Analyst: _____									
Negative _____ MREM / HR										Date Performed: _____									
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Combust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ayer	iquid	olid	el	ludge		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or
A																			
B																			
C																			

PCB Concentration _____	Other Test: _____	Spillfyer Strip: _____
Comments _____		
_____		
_____		

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.





## DRUM INVENTORY LOG

Drum Number: SS-1-S	Sampler: A Whitt	Time: 1600
Drum Name:	Location: Tank Farm	Date: 8/24/04
Drum ID #:	Weather/Temperature:	

Drum Color:								
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel		
Drum Type:	Ring-top	Closed-top	Bungs:		Present / Missing	Ring-top:	Present / Missing	
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:			
Drum Size:	110	85	55	42	30	16	10	5 Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other
Overpacked:	No	Yes	Overpack Type:		Steel	Poly	Fiber	Overpack Size:

Physical State				Color	Clarity			Layer Thickness	Field Analysis	
Liquid	Solid	Gel	Sludge	use standard colors	Clear	Cloudy	Opaque	(inches)	pH	PID
X				Brown			X	1"		
X				Colorless		X		Rest		
									Drum Labels / Markings	
									DOT	
									UN / NA	

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: \_\_\_\_\_

Hazcat Data										Hazard Category:									
Radiation Positive * _____										Analyst: _____									
Negative _____ MREM / HR										Date Performed: _____									
Physical State				Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Combust	
Liquid	Solid	Gel	Sludge	use standard colors	Clear	Cloudy	Opaque	S, PS, or I	Air or Water	use std. unit	S or I	+	+	+	+	+	+	+	
												-	-	-	-	-	-	-	
A																			
B																			
C																			

PCB Concentration \_\_\_\_\_ Other Test: \_\_\_\_\_ Spillfyer Strip: \_\_\_\_\_

Comments \_\_\_\_\_

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: 15-2	Sampler: A Whitt	Time: 1720
Site Name:	Location: Tank farm	Date: 8/24/04
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:	Present / Missing	Ring-top:	Present / Missing			
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:	Steel	Poly	Fiber	Overpack Size:		

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ayer	iquid	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	X				Black			X			
B										Drum Labels / Markings	
C										DOT	
										UN / NA	

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: \_\_\_\_\_

Hazcat Data										Hazard Category:											
Radiation Positive * _____										Analyst: _____											
Negative _____ MREM / HR										Date Performed: _____											
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com bust		
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+		
ayer	iquid	olid	el	ludge		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or	or	
A										Water	unit	I	-	-	-	-	-	-	-		
B																					
C																					

PCB Concentration _____	Other Test: _____	Spillfyter Strip: _____
Comments _____		
_____		
_____		

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>BW-2</u>	Sampler: <u>A. White</u>	Time: <u>1800</u>
Site Name:	Location: <u>Tank Farm</u>	Date: <u>8/24/04</u>
TDD #:	Weather/Temperature:	

Drum Color:

Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:	Present / Missing	Ring-top:	Present / Missing			
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:	Steel	Poly	Fiber	Overpack Size:		

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ay	iqu	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	X				<u>colorless</u>		X				
B											
C											

Drum Labels / Markings

DOT

UN / NA

Mfg. Name and Address:

Chemical Name:

Additional Information:

Hazcat Data										Hazard Category:																			
Radiation					Positive *					Negative					MREM / HR					Analyst:					Date Performed:				
Physical State					Color	Clarity			Water Sol	React *	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com										
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+										
ay	iqu	olid	el	ludge		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or	or									
A																													
B																													
C																													

PCB Concentration \_\_\_\_\_ Other Test: \_\_\_\_\_ Spillfyer Strip: \_\_\_\_\_

Comments \_\_\_\_\_

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>DP-1</u>	Sampler: <u>A White</u>	Time: <u>1815</u>
Site Name:	Location: <u>Tank Farm</u>	Date: <u>5/24/04</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:		Present / Missing	Ring-top:	Present \ Missing		
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:		Steel	Poly	Fiber	Overpack Size:	

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ayers	iquid	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	X				white		X		22 ft		
B	X				Black			X	2 ft		
C											
Drum Labels / Markings											
DOT											
UN / NA											

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: \_\_\_\_\_

Hazcat Data										Hazard Category:									
Radiation Positive * _____										Analyst: _____									
Negative MREM / HR _____										Date Performed: _____									
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com-bust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ayers	iquid	olid	el	ludge		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or
A										Water	unit	I	-	-	-	-	-	-	-
B																			
C																			

PCB Concentration _____	Other Test: _____	Spillfyter Strip: _____
Comments _____		

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>DP-2</u>	Sampler: <u>A WHITT</u>	Time: <u>1850</u>
Site Name:	Location: <u>Tank Farm</u>	Date: <u>8/24/04</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:		Present / Missing	Ring-top:	Present \ Missing		
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:		Steel	Poly	Fiber	Overpack Size:	

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ayers	iquid	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	X				<u>Black</u>			X			
B										Drum Labels / Markings	
C										DOT	
										UN / NA	

Mfg. Name and Address:											
Chemical Name:											
Additional Information:											

Hazcat Data										Hazard Category:											
Radiation Positive * Negative MREM / HR										Analyst:											
										Date Performed:											
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Combust		
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+		
ayers	iquid	olid	el	ludge		lear	loudy	paque		or	std.	or	+	+	+	+	+	+	+	+	
A										Water	unit	I	-	-	-	-	-	-	-		
B																					
C																					

PCB Concentration	Other Test:		Spillfyter Strip:	
Comments				

Bulk Group:	Waste Stream:
Bulk Group Number:	Waste Stream Number:

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>(D-1)-5</u>	Sampler: <u>A v h H</u>	Time: <u>1020</u>
Site Name:	Location: <u>Tank Farm</u>	Date: <u>8/25/04</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs: Present / Missing			Ring-top:	Present \ Missing		
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type: Steel			Poly	Fiber	Overpack Size:	

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
a	i	o	e	l		l	l	p		CGI	OVA / FID
y	q	l	i	i		e	e	e		Other	
e	u	i	d	d		a	o	a			
r	i	d								Drum Labels / Markings	
s	d									DOT	
										UN / NA	
A											
B											
C											

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: Crust on top

Hazcat Data										Hazard Category:										
Radiation Positive * _____										Analyst: _____										
Negative _____ MREM / HR										Date Performed: _____										
Physical State					Color	Clarity			Water Sol	React *	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com bust	
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+	
a	i	o	e	l		e	e	e		or	std.	or	+	+	+	+	+	+	+	+
y	q	i	i	i		a	o	a		Water	unit	I	-	-	-	-	-	-	-	-
e	u	d	d	d		r	y	q												
r	i	d																		
s	d																			
A																				
B																				
C																				
PCB Concentration _____										Other Test: _____										
Spillfyer Strip: _____																				
Comments _____																				

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>LD-3</u>	Sampler: <u>A w/lt</u>	Time: <u>1040</u>
Site Name:	Location: <u>Tank Farm</u>	Date: <u>8/25/04</u>
TDD #:	Weather/Temperature:	

Drum Color:

Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:	Present / Missing	Ring-top:	Present / Missing			
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:	Steel	Poly	Fiber	Overpack Size:		

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ayer	iquid	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	X				BLACK			X	1/2 inch	Drum Labels / Markings	
B	X				AMBER		X		Rest of tank	BOT	
C										UN / NA	

Mfg. Name and Address:

Chemical Name:

Additional Information:

1/2 inch oil layer on top

Hazcat Data										Hazard Category:									
Radiation Positive * Negative MREM / HR										Analyst: Date Performed:									
Physical State					Color	Clarity			Water Sol	React *	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com bust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ayer	iquid	olid	el	ludge		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or
A										Water	unit	I	-	-	-	-	-	-	-
B																			
C																			

PCB Concentration

Other Test:

Spillfyter Strip:

Comments

Bulk Group:

Waste Stream:

Bulk Group Number:

Waste Stream Number:

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>C-D-2</u>	Sampler: <u>A. Whit</u>	Time: <u>1100</u>
Site Name:	Location: <u>Tank farm</u>	Date: <u>8/25/04</u> *
TDD #:	Weather/Temperature: <u>original Log lost. Recreated on Nov 22nd</u>	
Drum Color:		
Drum Type:	Poly-lined    Fiber    Steel    Poly    Stainless Steel	Nickel
Lid Type:	Ring-top    Closed-top	Bungs: Present / Missing    Ring-top: Present / Missing
Drum Condition:	Meet DOT Spec.    Good    Fair    Poor	Explain:
Drum Size:	110    85    55    42    30    16    10    5    Other	
Drum Contents:	Full    3/4    2/3    1/2    1/3    1/4    <1/4    Other	
Overpacked:	No    Yes	Overpack Type: Steel    Poly    Fiber    Overpack Size:

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ayer	iquid	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A										Drum Labels / Markings	
B										DOT	
C										UN / NA	

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: \_\_\_\_\_

1/2 inch oil layer on top

Hazcat Data										Hazard Category:									
Radiation    Positive * _____ Negative    MREM / HR										Analyst: _____ Date Performed: _____									
Physical State					Color	Clarity			Water Sol	React *	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Combust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ayer	iquid	olid	el	ludge		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or
A										Water	unit	I	-	-	-	-	-	-	-
B																			
C																			

PCB Concentration \_\_\_\_\_ Other Test: \_\_\_\_\_ Spilfyter Strip: \_\_\_\_\_

Comments \_\_\_\_\_

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.





## DRUM INVENTORY LOG

Drum Number: <b>DAF-S</b>	Sampler: <b>A Whitt</b>	Time: <b>1240</b>
Site Name:	Location: <b>Leake Farms</b>	Date: <b>8/25/04</b>
TDD #:	Weather/Temperature:	
Drum Color:		
Drum Type:	Poly-lined    Fiber    Steel    Poly    Stainless Steel    Nickel	
Lid Type:	Ring-top    Closed-top	Bungs:    Present / Missing    Ring-top:    Present \ Missing
Drum Condition:	Meet DOT Spec.    Good    Fair    Poor	Explain:
Drum Size:	110    85    55    42    30    16    10    5    Other	
Drum Contents:	Full    3/4    2/3 <b>(1/2)</b> 1/3    1/4    <1/4    Other	
Overpacked:	No    Yes	Overpack Type:    Steel    Poly    Fiber    Overpack Size:

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
a	l	o	e	l		l	l	p		CGI	OVA / FID
y	q	i		u		e	e	a		Other	
e	u	d		d				q			
r	i			g				u			
s	d			e				e			
A	X				<b>Colorless</b>	X				Drum Labels / Markings	
B										DOT	
C										UN / NA	

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: \_\_\_\_\_

Hazcat Data										Hazard Category:									
Radiation    Positive * _____ Negative    MREM / HR										Analyst: _____ Date Performed: _____									
Physical State					Color	Clarity			Water Sol	React *	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
a	l	o	e	l		e	e	a		q	or	std.	or	+	+	+	+	+	+
y	q	i		u				u		Water	unit	I	-	-	-	-	-	-	-
e	u	d		d				e											
r	i			g															
s	d			e															
A																			
B																			
C																			

PCB Concentration \_\_\_\_\_ Other Test: \_\_\_\_\_ Spillfyer Strip: \_\_\_\_\_

Comments \_\_\_\_\_

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>Alum sulfate (AS)</u>	Sampler: <u>A white</u>	Time: <u>1300</u>
Site Name:	Location: <u>Point Farm</u>	Date: <u>8/25/04</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:		Present / Missing	Ring-top:	Present / Missing		
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	<u>Full</u>	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:		Steel	Poly	Fiber	Overpack Size:	

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ayer	iquid	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	X				<u>Colorless</u>	X					
B										Drum Labels / Markings	
C										DOT	
										UN / NA	

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: \_\_\_\_\_

Hazcat Data					Hazard Category: _____																	
Radiation					Positive *					Analyst: _____												
					Negative					Date Performed: _____												
					MREM / HR																	

Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ayer	iquid	olid	el	ludge		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or
A										Water <td>unit<td>I</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></td>	unit <td>I</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>	I	-	-	-	-	-	-	-
B																			
C																			

PCB Concentration	Other Test:	Spillfyter Strip:
Comments		

Bulk Group:	Waste Stream:
Bulk Group Number:	Waste Stream Number:

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>Peric Acid (FA)</u>	Sampler: <u>A vltt</u>	Time: <u>1315</u>
Site Name:	Location: <u>tank farm</u>	Date: <u>10/8/25/04</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:	Present / Missing	Ring-top:	Present \ Missing			
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	<u>Full</u>	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:	Steel	Poly	Fiber	Overpack Size:		

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ayers	iquid	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	X				<u>Blue</u>		X				
B											
C											
										Drum Labels / Markings	
										DOT	
										UN / NA	

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: \_\_\_\_\_

Hazcat Data										Hazard Category:									
Radiation Positive * _____ Negative _____ MREM / HR										Analyst: _____ Date Performed: _____									
Physical State					Color	Clarity			Water Sol	React *	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com bust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ayers	iquid	olid	el	ludge		lear	loudy	paque		or std.	or	or	or	or	or	or	or	or	or
A										Water	unit	I	-	-	-	-	-	-	-
B																			
C																			

PCB Concentration \_\_\_\_\_

Other Test: \_\_\_\_\_

Spilfyter Strip: \_\_\_\_\_

Comments \_\_\_\_\_

Bulk Group: \_\_\_\_\_

Waste Stream: \_\_\_\_\_

Bulk Group Number: \_\_\_\_\_

Waste Stream Number: \_\_\_\_\_

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>NA OH</u>	Sampler: <u>A white</u>	Time: <u>1330</u>
Site Name:	Location: <u>Tank Farm</u>	Date: <u>8/25/04</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:	Present / Missing	Ring-top:	Present \ Missing			
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	<u>(Full)</u>	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:	Steel	Poly	Fiber	Overpack Size:		

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ayer	iquid	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	<u>X</u>				<u>Black</u>		<u>X</u>				
B										Drum Labels / Markings	
C										DOT	
										UN / NA	

Mfg. Name and Address:											
Chemical Name:											
Additional Information:											

Hazcat Data										Hazard Category:									
Radiation Positive * Negative MREM / HR										Analyst: Date Performed:									
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com-bust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air or Water	use std. unit	S or I	+	+	+	+	+	+	+
ayer	iquid	olid	el	ludge		lear	loudy	paque											
A																			
B																			
C																			

PCB Concentration	Other Test:	Spilfyter Strip:
Comments		

Bulk Group:	Waste Stream:
Bulk Group Number:	Waste Stream Number:

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>F 21RR</u>	Sampler: <u>A whole</u>	Time: <u>1530</u>
Site Name:	Location: <u>Free tank</u>	Date: <u>8/25/04</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:		Present / Missing	Ring-top:	Present \ Missing		
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<u>1/2</u>	Other	<u>MT</u>
Overpacked:	No	Yes	Overpack Type:		Steel	Poly	Fiber	Overpack Size:	

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ay	iqu	olid	el	lud		lear	loundy	paque		CGI	OVA / FID
ers	id			ge						Other	
A										Drum Labels / Markings	
B										DOT	
C										UN / NA	

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: could not open - Empty

Hazcat Data										Hazard Category:									
Radiation Positive * _____										Analyst: _____									
Negative MREM / HR _____										Date Performed: _____									
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com bust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ay	iqu	olid	el	lud		lear	loundy	paque		or	std.	or	or	or	or	or	or	or	or
ers	id			ge						Water	unit	I	-	-	-	-	-	-	-
A																			
B																			
C																			

PCB Concentration _____	Other Test: _____	Spilfyter Strip: _____
Comments _____		

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <b>F 237</b>	Sampler: <b>A white</b>	Time: <b>1535</b>
Site Name:	Location: <b>Frax tank</b>	Date: <b>8/25/04</b>
TDD #:	Weather/Temperature:	
Drum Color:		
Drum Type:	Poly-lined    Fiber    Steel    Poly    Stainless Steel    Nickel	
Lid Type:	Ring-top    Closed-top	Bungs: Present / Missing    Ring-top: Present \ Missing
Drum Condition:	Meet DOT Spec.    Good    Fair    Poor	Explain:
Drum Size:	110    85    55    42    30    16    10    5    Other	
Drum Contents:	Full <b>3/4</b> 2/3    1/2    1/3    1/4    <1/4    Other	
Overpacked:	No    Yes	Overpack Type: Steel    Poly    Fiber    Overpack Size:

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ayer	iquid	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	X				<b>Black purple</b>			X			
B										Drum Labels / Markings	
C										DOT	
										UN / NA	

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: \_\_\_\_\_

Hazcat Data										Hazard Category:									
Radiation    Positive * _____ Negative    MREM / HR										Analyst: _____ Date Performed: _____									
Physical State					Color	Clarity			Water Sol	React *	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com-bust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ayer	iquid	olid	el	ludge		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or
A										Water	unit	I	-	-	-	-	-	-	-
B																			
C																			

PCB Concentration \_\_\_\_\_

Other Test: \_\_\_\_\_

Spilfyter Strip: \_\_\_\_\_

Comments \_\_\_\_\_

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>G300D</u>	Sampler: <u>A. Whitt</u>	Time: <u>1610</u>
Site Name:	Location: <u>Free Tanks</u>	Date: <u>8/25/04</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:		Present / Missing	Ring-top:	Present \ Missing		
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:		Steel	Poly	Fiber	Overpack Size:	

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ayer	iquid	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	X				Red		X				
B										Drum Labels / Markings	
C										DOT	
										UN / NA	

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: \_\_\_\_\_

Line of Butane

Hazard Data										Hazard Category:									
Radiation Positive * _____										Analyst: _____									
Negative _____										Date Performed: _____									
MREM / HR																			
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com-bust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ayer	iquid	olid	el	ludge		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or
A										Water	unit	I	-	-	-	-	-	-	-
B																			
C																			

PCB Concentration \_\_\_\_\_ Other Test: \_\_\_\_\_ Spilfyter Strip: \_\_\_\_\_

Comments \_\_\_\_\_

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.

# DRUM INVENTORY LOG

Drum Number: <u>RW-1</u>	Sampler: <u>A WHIT</u>	Time: <u>0900</u>
Site Name:	Location: <u>Tank Farm</u>	Date: <u>8/25/04</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:	Present / Missing	Ring-top:	Present / Missing			
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:	Steel	Poly	Fiber	Overpack Size:		

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ayers	iquid	olid	el	ludge		clear	cloudy	opaque		CGI	OVA / FID
A	X				Brown		X				
B										Drum Labels / Markings	
C										DOT	
										UN / NA	

Mfg. Name and Address:

Chemical Name:

Additional Information:

Hazcat Data										Hazard Category:									
Radiation Positive * Negative MREM / HR										Analyst:									
										Date Performed:									
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com bust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ayers	iquid	olid	el	ludge		clear	cloudy	opaque		or	std.	or	or	or	or	or	or	or	or
A										Water <td>unit <td>I <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </td></td>	unit <td>I <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </td>	I <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>	-	-	-	-	-	-	-
B																			
C																			

PCB Concentration \_\_\_\_\_ Other Test: \_\_\_\_\_ Spilfyter Strip: \_\_\_\_\_

Comments \_\_\_\_\_

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.





## DRUM INVENTORY LOG

Drum Number: <u>G107D</u>	Sampler: <u>A 4L/H</u>	Time: <u>1630</u>							
Site Name:	Location: <u>Free tanks</u>	Date: <u>8/25/04</u>							
TDD #:	Weather/Temperature:								
Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:		Present / Missing	Ring-top:	Present \ Missing		
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	<u>Full</u>	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:		Steel	Poly	Fiber	Overpack Size:	

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ay	iquid	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	X				<u>Black</u>			X	<u>1.5</u>		
B	X				<u>Brown</u>		X				
C											

Drum Labels / Markings

DOT

UN / NA

Mfg. Name and Address:

Chemical Name:

Additional Information:

Hazcat Data										Hazard Category:									
Radiation Positive * Negative MREM / HR										Analyst:									
										Date Performed:									
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Combust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ay	iquid	olid	el	ludge		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or
A										Water	unit	I	-	-	-	-	-	-	-
B																			
C																			

PCB Concentration \_\_\_\_\_ Other Test: \_\_\_\_\_ Spillfyter Strip: \_\_\_\_\_

Comments \_\_\_\_\_

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.



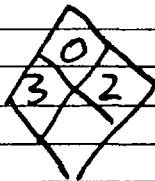
## DRUM INVENTORY LOG

Drum Number: <u>sulfuric Acid (SA)</u>	Sampler: <u>A whiff</u>	Time: <u>1345</u>
Site Name:	Location: <u>Tank Farm</u>	Date: <u>8/25/64</u>
TDD #:	Weather/Temperature:	
Drum Color:		
Drum Type:	Poly-lined    Fiber    Steel    Poly    Stainless Steel    Nickel	
Lid Type:	Ring-top    Closed-top	Bungs:    Present / Missing    Ring-top:    Present \ Missing
Drum Condition:	Meet DOT Spec.    Good    Fair    Poor	Explain:
Drum Size:	110    85    55    42    30    16    10    5    Other	
Drum Contents:	Full    3/4    2/3 <u>1/2</u> 1/3    1/4    <1/4    Other	
Overpacked:	No    Yes	Overpack Type:    Steel    Poly    Fiber    Overpack Size:

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ayer	iquid	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A											
B											
C											

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: NFPA =

Hazcat Data										Hazard Category:									
Radiation    Positive * _____ Negative    MREM / HR _____										Analyst: _____ Date Performed: _____									
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com-bust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ayer	iquid	olid	el	ludge		lear	loudy	paque		or	std.	or	+	+	+	+	+	+	+
A																			
B																			
C																			

PCB Concentration \_\_\_\_\_ Other Test: \_\_\_\_\_ Spilfyter Strip: \_\_\_\_\_

Comments \_\_\_\_\_

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.



CO. JUNE 17/04  
MAY 11/16/04 (13)

# DRUM INVENTORY LOG

Drum Number: <u>AA OH</u> <small>SODIUM HYDROXIDE</small>	Sampler: <u>A. Whitt</u>	Time: <u>1430</u>
Site Name:	Location: <u>Leak Farm</u>	Date: <u>8/25/04</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:	Present / Missing	Ring-top:	Present / Missing			
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	<u>(1/2)</u>	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:	Steel	Poly	Fiber	Overpack Size:		

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ayers	iquid	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	X				<u>colorless</u>	X				Drum Labels / Markings	
B										DOT	
C										UN / NA	

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: \_\_\_\_\_

NFPA

Hazcat Data										Hazard Category:									
Radiation Positive * Negative MREM / HR										Analyst: _____ Date Performed: _____									
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Combust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ayers	iquid	olid	el	ludge		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or
A										Water <td>unit <td>I <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </td></td>	unit <td>I <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </td>	I <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>	-	-	-	-	-	-	-
B																			
C																			

PCB Concentration \_\_\_\_\_ Other Test: \_\_\_\_\_ Spilfyter Strip: \_\_\_\_\_

Comments \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>CT-7</u>	Sampler: <u>AL</u>	Time: <u>1510</u>
Site Name:	Location: <u>Leah Farm</u>	Date: <u>8/25/04</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs: Present / Missing			Ring-top:	Present \ Missing		
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	<u>(Full)</u>	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:		Steel	Poly	Fiber	Overpack Size:	

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ay	iqu	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	X				<u>Brown</u>		X			Drum Labels / Markings	
B										DOT	
C										UN / NA	

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: 2 ft below front of tank

Hazcat Data										Hazard Category: _____									
Radiation Positive * _____										Analyst: _____									
Negative _____										Date Performed: _____									
MREM / HR																			
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Combust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ay	iqu	olid	el	ludge		lear	loudy	paque		or	std.	or	+	+	+	+	+	+	+
A										Water	unit	I	-	-	-	-	-	-	-
B																			
C																			

PCB Concentration \_\_\_\_\_ Other Test: \_\_\_\_\_ Spillfyer Strip: \_\_\_\_\_

Comments \_\_\_\_\_

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>CT-8</u>	Sampler: <u>A with</u>	Time: <u>1830</u>
Site Name:	Location: <u>tank Room</u>	Date: <u>8/25/04</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:		Present / Missing	Ring-top:	Present \ Missing		
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	<u>Full</u>	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:		Steel	Poly	Fiber	Overpack Size:	

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ay	iqu	olid	el	lud		lear	loudy	paque		CGI	OVA / FID
A	/				<u>Brown</u>		X				
B										Drum Labels / Markings	
C										DOT	
										UN / NA	

Mfg. Name and Address:

Chemical Name:

Additional Information:

2 ft from top of tank

Hazcat Data										Hazard Category:									
Radiation Positive * Negative MREM / HR										Analyst:									
										Date Performed:									
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ay	iqu	olid	el	lud		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or
A										Water	unit	I	-	-	-	-	-	-	-
B																			
C																			

PCB Concentration \_\_\_\_\_ Other Test: \_\_\_\_\_ Spillfyer Strip: \_\_\_\_\_

Comments \_\_\_\_\_

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.



## DRUM INVENTORY LOG

Drum Number: <u>ST-1</u>	Sampler: <u>A white</u>	Time: <u>1845</u>
Site Name:	Location: <u>Tomb</u>	Date: <u>6/25/04</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs: Present / Missing			Ring-top:	Present / Missing		
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	Full	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type: Steel			Poly	Fiber	Overpack Size:	

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH	PID
ay	iqu	olid	el	ludge		lear	loudy	paque		CGI	OVA / FID
A	X				colorless	X					
B	X				Brown		X		2 ft		
C											

Drum Labels / Markings

DOT

UN / NA

Mfg. Name and Address:

Chemical Name:

Additional Information:

Hazcat Data										Hazard Category:									
Radiation - Positive *										Analyst:									
Negative										Date Performed:									
MREM / HR																			
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com bust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
ay	iqu	olid	el	ludge		lear	loudy	paque		or	std.	or	or	or	or	or	or	or	or
A										Water <td>unit<td>I<td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></td></td>	unit <td>I<td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></td>	I <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>	-	-	-	-	-	-	-
B																			
C																			

PCB Concentration \_\_\_\_\_ Other Test: \_\_\_\_\_ Spilfyter Strip: \_\_\_\_\_

Comments \_\_\_\_\_

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.



# DRUM INVENTORY LOG

Drum Number: <u>CT-6</u>	Sampler: <u>A white</u>	Time: <u>1730</u>
Site Name:	Location: <u>Jack Farm</u>	Date: <u>8/25/04</u>
TDD #:	Weather/Temperature:	

Drum Color:									
Drum Type:	Poly-lined	Fiber	Steel	Poly	Stainless Steel	Nickel			
Lid Type:	Ring-top	Closed-top	Bungs:	Present / Missing	Ring-top:	Present / Missing			
Drum Condition:	Meet DOT Spec.	Good	Fair	Poor	Explain:				
Drum Size:	110	85	55	42	30	16	10	5	Other
Drum Contents:	<u>Full</u>	3/4	2/3	1/2	1/3	1/4	<1/4	Other	
Overpacked:	No	Yes	Overpack Type:	Steel	Poly	Fiber	Overpack Size:		

Physical State					Color	Clarity			Layer Thickness	Field Analysis	
L	L	S	G	S	use standard colors	C	C	O	(inches)	pH <u>9</u>	PID
a	i	o	e	l		l	p	CGI		OVA / FID	
y	q	l		e		e	Other				
e	u	i		y							
A										Drum Labels / Markings	
B										DOT	
C										UN / NA	

Mfg. Name and Address: \_\_\_\_\_

Chemical Name: \_\_\_\_\_

Additional Information: 2-HA from the Lab (MS/MSD)

Hazcat Data										Hazard Category:									
Radiation Positive * _____										Analyst: _____									
Negative _____ MREM / HR										Date Performed: _____									
Physical State					Color	Clarity			Water Sol	React	pH	Hex Sol	Per	Ox	CN	Sul	PCB	Hal	Com-bust
L	L	S	G	S	use standard colors	C	C	O	S, PS, or I	Air	use	S	+	+	+	+	+	+	+
a	i	o	e	l		l	p	or		std.	or	or	or	or	or	or	or	or	or
y	q	l		e		e	Water	unit		I	-	-	-	-	-	-	-	-	-
e	u	i				y													
A																			
B																			
C																			
PCB Concentration _____										Other Test: _____									
Spilfyter Strip: _____																			
Comments _____																			
_____																			
_____																			

Bulk Group: _____	Waste Stream: _____
Bulk Group Number: _____	Waste Stream Number: _____

\* If material is Positive for radioactivity or reactivity, perform no further tests.

## **APPENDIX D**

### **FIXED LABORATORY ANALYTICAL DATA**

(Refer to file located on CD-ROM called Appendix\_D.pdf)



**APPENDIX E**  
**LOGBOOK NOTES**  
(9 Sheets)



## HORIZONTAL LINE

All-Weather Notebook  
No. 391

SEVEN-OUT LLC WAYCROSS GA
(BCX CORP.)

4 5/8" x 7" - 48 Numbered Pages

# CONTENTS

PAGE	REFERENCE	DATE
	PHONE #S.	
	T. STILMAN m-561-512-4122	8748
	F. DUNN m-678 773-0792	
	WHITT 678 520-1750	
	MITCHELL 678 687-1965	
	BLYSER 404 667-7111	
	NATTS 404 808-2624	
	HOTEL : 912 285-5515	
	ADDRESS: 4150 BRUNSWICK HWY.	
	AES LAB. 770 457-8177 ALLISON CANTARIL	
	ASS RENTAL 229-382-5179 BILL	

- MON. 8/23/04 SEVEN OUT LCC SITE
- 0800-CONTINUED EQUIPMENT LOAD OUT.
- 0845-DEPARTED START OFFICE (A. WHITT J. MICHAEL)
- 0945-START REP. R. NATHIS PICKED UP  
ALONG THE WAY TO SITE.
- 1345-ARRIVED O/S.
- 1415-PREPARING TO DO PERIMETER AIR  
MONITORING w/ TVA 100 & HCN METER
- 1500-AIR READINGS AT CT-1/8 TANKS  
ARE BACKGROUND.
- 1505-OSC T. STILLMAN O/S & GADNR  
HAZ WASTE DIVISION REP. FRED DUNN  
O/S.
- 1605 CT-1 TANK SAMPLED - INVENTORY  
LOG SHEET USED TO DOCUMENT  
INFO (PH/PHASES/VOLUME ETC.)
- 1700 RAIN STOPS WORK TEMPORARILY  
A+S RENTAL O/S WITH MANLIFT  
AND LOADERS.
- 1730 40' EXTENSION LADDER IS TESTED  
TO SEE IF ACCESS CAN BE MADE  
TO TANKS OP-1/4.
- 1800 LADDER USE ON THE 35' TANKS  
DOES NOT APPEAR GOOD.
- 1830 DEVELOPING PLAN FOR GETTING  
THE MANLIFT INSIDE TANK FARM.

1900 EQUIPMENT IS SECURED INSIDE  
THE ELECTRICAL SWITCH ROOM  
O/S. BASIC SUPPORT ITEMS ARE  
TO BE KEPT THERE OVERNIGHT.  
PLAN IS MADE FOR A RAMP  
SYSTEM OVER THE SECONDARY  
CONTAINMENT WALL USING  
LUMBER CONCRETE BLOCKS &  
HEAVY DUTY CAR RAMPS.  
CREW DEPARTS SITE

JL M

WX: HOT HUMID +  
OVERCAST, 4.5 HOURS

TUES. 8/24/04

0730 START PERSONNEL DIS.

0800 R. NATIS & A. WHITE TO RESUME  
SAMPLING OF CT TANKS.

MITCHELL GOES TO LOWES FOR  
RAMP SUPPLIES. CT-2 SAMPLED - PHOTOS

0830 CT-3 SAMPLED

0845 MITCHELL BACK O/S.

0900 CT-4 SAMPLED

0915 CT-5 SAMPLED.

1000 MANLIET DRIVEN INTO THE  
TANK FARM AREA.

1045 TANK SAMPLING OF OP 1-4 TANKS  
PLANNED. OP-4 HAS CLOSEST ACCESS.

1100 OP-4 SAMPLED.

1130 OP-2 & 3 ARE INACCESSABLE DUE  
TO PIPE RUNS AND VENT LOCATION  
THAT PREVENT SAFE USE OF  
SCAFOLD SECTIONS.

1200 LUNCH BREAK

1320 SH-1-S SAMPLE COLLECTED

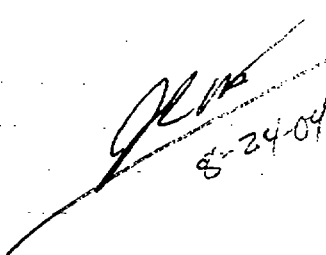
1350 SH-2-S SAMPLE COLLECTED.

OSC STEELMAN IDENTIFIES SOIL SAMPLE  
LOCATIONS AROUND THE PROPERTY.

4 SAMPLES PLANNED + 1 OUTFALL

1- ADJACENT 1- NEAR FRAC TANKS & BKG.

- 1420 SH-3-S SAMPLER WITH SPACER.  
1510 SH-4-S SAMPLER COLLECTED.  
1600 SS-1-S SAMPLE COLLECTED.  
1615 RAIN/LIGHTNING STOPS WORK  
TEMPORARILY.  
1720 SS-2 SAMPLE COLLECTED  
1800 RW-2 SAMPLE COLLECTED  
1815 DP-1 SAMPLE COLLECTED - TWO  
PHASES A (TOP) 20' WHITE  
+850 SM B (BOTTOM) 2' BLACK  
BESS BLYLER O/S - 1700  
1850 DP-2 SAMPLE COLLECTED  
1900 COOLERS WITH SAMPLES AND  
GLASSWARE ARE LOADED INTO  
THE VAN. SITE ACTIVITIES  
TO RESUME AT 0800.  
1930 START & GA DNR DEPART SITE.

  
8-24-04

WED 8/18/04

WX: HOT HUMID  
CHANCE OF T. STORMS

0800 START PERSONNEL O/S. GADNR O/S  
EQUIPMENT SET-UP AND RELOCATING  
OF THE MANIFEST OUTSIDE SECONDARY  
CONTAINMENT.

0900 RW-1 SAMPLE COLLECTED  
0930 CD-5 SAMPLE COLLECTED - BETT BLYLER  
IS WORKING ON SAMPLE MANAGEMENT  
ACTIVITIES. J. MITCHELL MAKES SUPPLY  
RUN FOR BAGS (1-GAL & 30-GAL) COOLER,  
PLASTIC PIPE CUTTER, ICE.

1020 CD-1-S SAMPLE COLLECTED.

1040 CD-3 SAMPLE COLLECTED.

1100 GADNR REP. FRED DUNN DEPARTS  
SITE: GADNR REP & J. MITCHELL  
TALKED WITH MR. BILLY E. OGLESBY  
ABOUT USING HIS PROPERTY FOR  
A BACKGROUND SAMPLE. HIS PROPERTY  
IS 1017 GEORGIA ST.

1115 LUNCH BREAK

1200 BACK O/S.

1240 DAF-5 SAMPLE COLLECTED.

1300 ALUM SULFATE (AS) SAMPLE COLLECTED.

1315 PERMUTIC ACID (EA) SAMPLE COLLECTED.

1330 NAOH SAMPLE COLLECTED

1345 Sodium Hydroxide & Sulfuric Acid  
Sample collected.



1520 Trip Blank sample processed.

1630 G-1070 sample collected

1470 - 2400 sample collected

SODIUM HYDROXIDE TANK IS

SLOWLY RISING. PH AROUND

STANDING H<sub>2</sub>O INSIDE CONTAINMENT

IS 13 w/ PH PAPER.

1530 FRAC TANK SAMPLING

CONDUCTED. FSIRR TOP

WAS SEALED SHUT. ACCESS

WITH ROPE ONLY CONFIRMED

TANK WAS EMPTY.

1745 SOIL SAMPLING ACTIVITIES

INITIATED AT SOUTH WALL OF

TANK FARM/ DRAINAGE DITCH

AND FRAC TANK AREA.

1845 ST-1 SAMPLE COLLECTED.

1900 SAMPLE MANAGEMENT

ACTIVITIES AND LOADING

THE VAN WITH COLLECTED

SAMPLES.

1935 DEPARTED SITE FOR THE

DAY.

8/28/04

*[Signature]*

THURS. 3/26/04

0800 START MEMBERS O/S.

0815 SITE CLEAN UP RESUMES  
FROM YESTERDAY. SLUDGE TUBS  
BEING CUT INTO SMALLER TUBS  
FOR PLACEMENT IN GARBAGE BINS.

0840 INITIATED COLLECTS BACKGROUND  
SOIL SAMPLE FROM MR. OGBURN'S  
OPEN PROPERTY. SAMPLE  
LOCATION WAS NEAR THE  
INTERSECTION OF HAMILTON ST.  
AND SEWELL ST.

0900 RE-ICING OF SAMPLES,  
DOUBLE CHECKING C-O-C AGAINST  
THE COOLER CONTENTS UNDERWAY.

1015 INFORMED PLANT MGR MR. DAMARCO  
OF OUR WRAP-UP & TURNED  
OVER HIS SPLIT SAMPLES.

1045 FINAL LOAD OUT OF EQUIPMENT  
AND SAMPLES. DEPARTED  
SITE. ALL SAMPLES WILL  
BE HAND DELIVERED TO  
AES LABS THIS AFTERNOON.

**APPENDIX F**  
**PHOTOGRAPHIC LOG**  
(14 Sheets)



**OFFICIAL PHOTOGRAPH NO. 1**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** View of the facility from the frac tanks.

**Site:** Seven Out, LLC  
Waycross, Ware County, Georgia

**Date:** August 25, 2004

**Orientation:** North

**Photographer:** John Mitchell,  
Tetra Tech EM, Inc.

**Witness:** Randy Nattis,  
Tetra Tech EM, Inc.



**OFFICIAL PHOTOGRAPH NO. 2**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Sampling of CT-6 tank with sludge judge.

**Site:** Seven Out, LLC  
Waycross, Ware County, Georgia

**Date:** August 25, 2004

**Orientation:** East

**Photographer:** John Mitchell,  
Tetra Tech EM, Inc.

**Witness:** Randy Nattis,  
Tetra Tech EM, Inc.



**OFFICIAL PHOTOGRAPH NO. 3**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Operation of the 40-foot Z-boom inside the tank farm.

**Site:** Seven Out, LLC  
Waycross, Ware County, Georgia

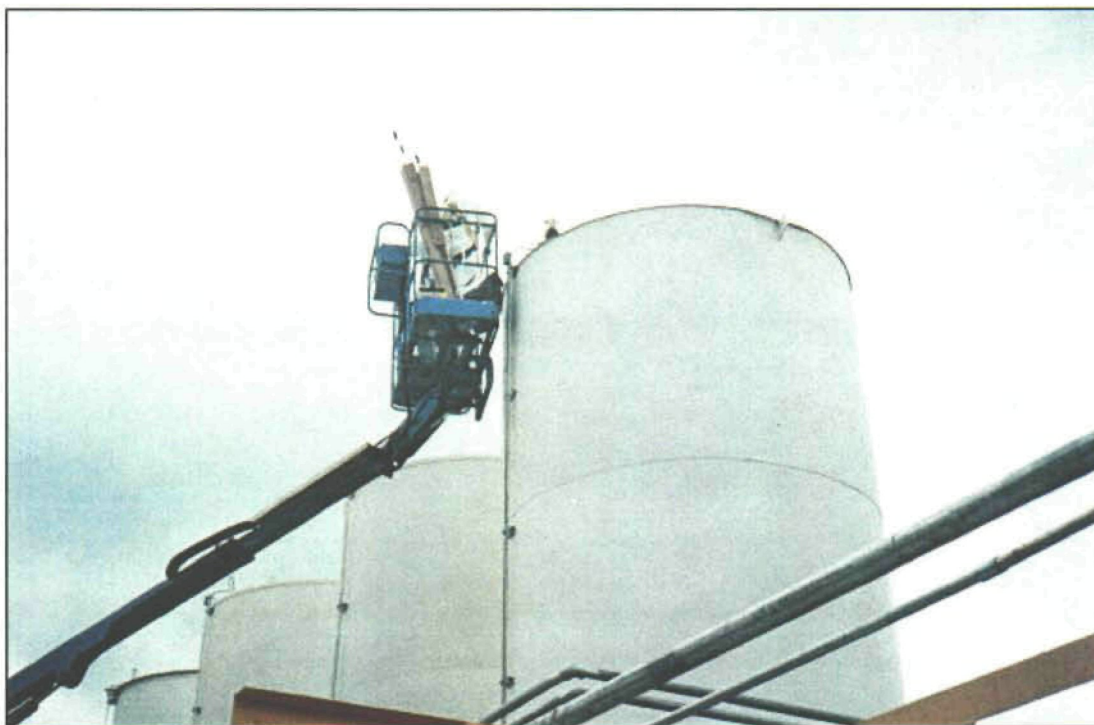
**Date:** August 24, 2004

**Orientation:** East

**Photographer:** John Mitchell,  
Tetra Tech EM, Inc.

**Witness:** Randy Nattis,  
Tetra Tech EM, Inc.





**OFFICIAL PHOTOGRAPH NO. 4**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Sampling of Tank SH-1.

**Site:** Seven Out, LLC  
Waycross, Ware County, Georgia

**Date:** August 24, 2004

**Orientation:** Southeast

**Photographer:** John Mitchell,  
Tetra Tech EM, Inc.

**Witness:** Randy Nattis,  
Tetra Tech EM, Inc.



**OFFICIAL PHOTOGRAPH NO. 5**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Sampling of tank SH-2.

**Site:** Seven Out, LLC  
Waycross, Ware County, Georgia

**Date:** August 24, 2004

**Orientation:** Southwest

**Photographer:** John Mitchell,  
Tetra Tech EM, Inc.

**Witness:** Randy Nattis,  
Tetra Tech EM, Inc.





**OFFICIAL PHOTOGRAPH NO. 6**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Sampling of tank DP-1.

**Site:** Seven Out, LLC  
Waycross, Ware County, Georgia

**Date:** August 24, 2004

**Orientation:** West

**Photographer:** John Mitchell,  
Tetra Tech EM, Inc.

**Witness:** Randy Nattis,  
Tetra Tech EM, Inc.



**OFFICIAL PHOTOGRAPH NO. 7**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Sampling of tank DP-2.

**Site:** Seven Out, LLC  
Waycross, Ware County, Georgia

**Date:** August 24, 2004

**Orientation:** Northeast

**Photographer:** John Mitchell,  
Tetra Tech EM, Inc.

**Witness:** Randy Nattis,  
Tetra Tech EM, Inc.



**OFFICIAL PHOTOGRAPH NO. 8**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Sampling of tank CD-2.

**Site:** Seven Out, LLC  
Waycross, Ware County, Georgia

**Date:** August 25, 2004

**Orientation:** North

**Photographer:** John Mitchell,  
Tetra Tech EM, Inc.

**Witness:** Randy Nattis,  
Tetra Tech EM, Inc.



**OFFICIAL PHOTOGRAPH NO. 9**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Frac tanks located south of the tank farm.

**Site:** Seven Out, LLC  
Waycross, Ware County, Georgia

**Date:** August 25, 2004

**Orientation:** South

**Photographer:** John Mitchell,  
Tetra Tech EM, Inc.

**Witness:** Randy Nattis,  
Tetra Tech EM, Inc.





**OFFICIAL PHOTOGRAPH NO. 10**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Frac tank G300D with stained soil possibly resulting from a past release.

**Site:** Seven Out, LLC  
Waycross, Ware County, Georgia

**Date:** August 25, 2004

**Orientation:** South

**Photographer:** John Mitchell,  
Tetra Tech EM, Inc.

**Witness:** Randy Nattis,  
Tetra Tech EM, Inc.



**OFFICIAL PHOTOGRAPH NO. 11**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Sampling location for soil sample SO-SW.

**Site:** Seven Out, LLC  
Waycross, Ware County, Georgia

**Date:** August 25, 2004

**Orientation:** North

**Photographer:** John Mitchell,  
Tetra Tech EM, Inc.

**Witness:** Randy Nattis,  
Tetra Tech EM, Inc.





**OFFICIAL PHOTOGRAPH NO. 12**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Sampling location for soil sample SO-DD.

**Site:** Seven Out, LLC  
Waycross, Ware County, Georgia

**Date:** August 25, 2004

**Orientation:** East

**Photographer:** John Mitchell,  
Tetra Tech EM, Inc.

**Witness:** Randy Nattis,  
Tetra Tech EM, Inc.



**OFFICIAL PHOTOGRAPH NO. 13**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Sampling location for soil sample SO-FRT.

**Site:** Seven Out, LLC  
Waycross, Ware County, Georgia

**Date:** August 25, 2004

**Orientation:** North

**Photographer:** John Mitchell,  
Tetra Tech EM, Inc.

**Witness:** Randy Nattis,  
Tetra Tech EM, Inc.





**OFFICIAL PHOTOGRAPH NO. 14**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Sampling location for soil sample SO-BG (background sample).

**Site:** Seven Out, LLC  
Waycross, Ware County, Georgia

**Date:** August 26, 2004

**Orientation:** North

**Photographer:** John Mitchell,  
Tetra Tech EM, Inc.

**Witness:** Randy Nattis,  
Tetra Tech EM, Inc.

**APPENDIX G**  
**TABLE OF WITNESSES**  
(One Sheet)

•

## TABLE OF WITNESSES

Terry Stilman  
On-Scene Coordinator  
U.S. EPA Region 4  
61 Forsyth Street, SW  
11<sup>th</sup> Floor  
Atlanta, Georgia 30303  
(678) 576-6440

Fred Dunn  
Georgia Environmental Protection Division  
2 Martin Luther King Jr. Drive  
Suite 1452 East Tower  
Atlanta, GA 30334  
(404) 657-8831

John Mitchell (former Tetra Tech START team member)  
Tetra Tech EM Inc.  
1955 Evergreen Boulevard  
Suite 300  
Duluth, Georgia 30096  
(678) 775-3080

Brenda E. Blyler  
Tetra Tech EM Inc.  
1955 Evergreen Boulevard  
Suite 300  
Duluth, Georgia 30096  
(678) 775-3093

Randy Nattis  
Tetra Tech EM Inc.  
101 Marietta Street  
Suite 2400  
Atlanta, Georgia 30303  
(404) 225-5530

Alan Whitt  
Whitt Environmental Services, Inc.  
1475 Buford Drive  
Suite 403-174  
Lawrenceville, GA 30043  
(678) 520-1750

**APPENDIX H**  
**DATA VALIDATION REPORT AND QUALIFIED DATA TABLES**  
(27 Sheets)

December 9, 2004

Mr. Terry Stilman  
U.S. Environmental Protection Agency, Region 4  
61 Forsyth Street, SW, 11<sup>th</sup> Floor  
Atlanta, Georgia 30303

**Subject: Data Validation Report  
Seven Out Site  
Waycross, Georgia  
Analytical Environmental Services, Inc.  
Laboratory Lot Number: 0408B38**

<b>Volatile Organic Compounds:</b>	31 Aqueous and 4 Solid Samples and 1 Trip Blank
<b>Semivolatile Organic Compounds:</b>	33 Aqueous and 4 Solid Samples
<b>Total Metals:</b>	33 Aqueous and 4 Solid Samples
<b>Total Mercury:</b>	33 Aqueous and 4 Solid Samples
<b>TCLP Metals:</b>	29 Aqueous and 4 Solid Samples
<b>TCLP Mercury:</b>	29 Aqueous and 4 Solid Samples

Dear Mr. Stilman:

Data validation was performed on the analytical data for 34 aqueous and 4 solid samples collected by Tetra Tech EM Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) at the Seven Out site in Waycross, Georgia, on August 24 and 25, 2004. The samples were analyzed under Laboratory Lot Number 0408B38 by Analytical Environmental Services, Inc., of Atlanta, Georgia. The samples were analyzed for volatile organic compounds (VOC) by SW-846 Methods 5030B and 8260B; semivolatile organic compounds (SVOC) by SW-846 Methods 3520, 3550A, and 8270C; total metals by SW-846 Methods 3010A, 3050B, and 6010B; total mercury by SW-846 Methods 7470A and 7471A; toxicity characteristic leaching procedure (TCLP) metals by SW-846 Methods 1311, 3010A, and 6010B; and TCLP mercury by SW-846 Methods 1311 and 7470A. Due to the nature of their matrices, the laboratory treated four aqueous samples (CD-1-S, CD-3-S, SH-4-S, and SS-2-S) as "waste" samples, so the results for them are reported on a per kilogram basis.

Analytical data was evaluated in general accordance with all applicable data validation guidance documents, including the following: the US EPA Contract Laboratory Program National Functional Guidelines (NFG) for Organic Data Review (EPA, October 1999) and the US EPA Contract Laboratory Program NFGs for Inorganic Data Review (EPA, July 2002). The analytical methods that were used by the fixed laboratories during this project provide guidance on procedures and method acceptance criteria that, in some areas, differ from that given in the NFGs. Where differences exist between the methods and the NFGs, the data validators followed the acceptance criteria given in the methods. In addition, if the fixed laboratory data package presented laboratory-derived acceptance criteria, then these criteria were used to evaluate the data, unless the criteria were considered inadequate. Data evaluation was based on the following parameters:

- Data Completeness
- Holding Times
- Gas Chromatography and Mass Spectrometry (GC/MS) Instrument Performance Check
- Initial and Continuing Calibrations
- Blanks
- Inductively Coupled Plasma Interference Check Samples
- Inductively Coupled Plasma Serial Dilution
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicates and Matrix Duplicates
- Field Duplicates
- Laboratory Control Samples
- Internal Standards
- System Performance
- Compound Quantitation
- Compound Identification
- Tentatively Identified Compounds (TIC)

The following data validation approach was used; it should meet the needs of most data uses and requirements for limits on decision-making uncertainty for the data. This approach consisted of a review of all of the data, including the raw data (which was provided by the fixed laboratory in electronic form).

This data validation effort constituted a full validation of the data and involved a 100 percent check against applicable acceptance criteria of all quality control (QC) parameter data, including those parameters listed above. In addition, all data pertaining to analyte identification, such as chromatograms and mass spectra, were checked completely (100 percent) to evaluate the accuracy of analyte identification. This effort also involved an in-depth quantitative check of a fraction of the data; this check included the recalculation of QC results (such as percent recoveries [%R] and relative percent difference [RPD] values) and target analyte results from the raw data. Recalculations were conducted at

a frequency of around 10 percent for those data that were transcribed and generated by hand. For data that were calculated by software, recalculations were conducted at varying frequencies and to the extent necessary to confirm the adequacy of the software. If errors or discrepancies were encountered during the recalculation and checking of any data, the extent of the data check was expanded, as necessary, to determine the full extent of the problem.

Tables 1 and 2 summarize the qualified analytical results for aqueous and soil samples, respectively (see Enclosure 1).

### **1.0 DATA COMPLETENESS**

The data package for Laboratory Lot Number 0408B38 was complete except that the raw data for the VOC and SVOC analyses did not include mass spectra and no TIC data were presented. TCLP metals for samples NAOH, Sodium Hydroxide, ST-1, and Sulfuric Acid were requested on the chain-of-custody record, but were not performed because of the sample matrix. VOC analyses for samples Sodium Hydroxide and Sulfuric Acid were also not performed because of the sample matrix.

### **2.0 HOLDING TIMES**

The holding times were met for all analyses of the samples. The temperatures of the sample coolers varied from 3.1 to 5.4 degrees Celsius upon arrival at the laboratory.

### **3.0 GC/MS INSTRUMENT PERFORMANCE CHECK**

All GC/MS instrument performance checks for the VOC and SVOC analysis met the acceptance criteria.

### **4.0 INITIAL AND CONTINUING CALIBRATIONS**

The initial and continuing calibrations were analyzed at the proper frequencies and concentrations and met all requirements, with the following exceptions.

The VOC analyses used three instruments, four initial calibrations, and eight continuing calibrations. In the initial calibrations a few analytes had relative standard deviations (RSD) exceeding the 30 percent QC limit. However, the laboratory calculated these results by linear regression and found coefficients of determination of 0.995 or higher for all. Therefore, no qualifications are warranted for initial calibration irregularities.

On instrument GCMS-5, the 30 August continuing calibration had excessive (greater than 25 percent) percent differences (%D) from the initial calibration for acetone, bromomethane, carbon tetrachloride, and methylene chloride. The only affected result was the acetone result in the 5,000-fold dilution of sample OP-4-S, which was flagged "J" to indicate that it is estimated. The 31 August continuing calibration had an excessive %D for methylene chloride. Therefore, sample reporting limits for that compound were flagged "UJ" in samples CD-1-S, CD-3-S, F237, FA-S, G107D, G300D, RW-1-S, RW-2-S, SH-1-S, SH-2-S, SH-3-S, SH-4-S, SS-1-S, SS-2-S, CT-7, CT-8, and ST-1. The 1 September continuing calibration for instrument GCMS-5 had excessive %Ds for bromomethane and methylene chloride. Because that continuing calibration was used only for determination of acetone at high dilutions in several samples, no qualifications are required.

On instrument GCMS-12, the 31 August continuing calibration had an excessive %D for methyl acetate. The nondetect results for that compound in samples AS-S, CD-2-S, CT-1-S, CT-2-S, CT-3-S, CT-4-S, CT-5-S, CT-6-S, DP-1-S Layer A, DP-1-S Layer B, and DP-2-S were flagged "UJ" to indicate that the sample reporting limits are estimated. The 1 September continuing calibration had excessive %Ds for acetone, dichlorodifluoromethane, and methyl acetate. Therefore, all three compounds were flagged "UJ" as estimated in sample DAF-S, but only acetone in sample SH-3-S, because only that compound was quantitated in the 100-fold dilution of the sample. The 2 September continuing calibration of instrument GCMS-12 had excessive %D results for 2-butanone, 2-hexanone, acetone, dichlorodifluoromethane, and methyl acetate. The results for those compounds in the only associated sample, the trip blank, were flagged "UJ" to indicate that the sample reporting limits are estimated.

The VOC analyses of the soil samples were performed on instrument GCMS-7. The first continuing calibration, performed on 30 August, had excessive %Ds for 1,2-dibromo-3-chloropropane, 2-butanone, acetone, chloromethane, dichlorodifluoromethane, methyl tert-butyl ether, tetrachloroethene, and trichlorofluoromethane. The sample reporting limits for those compounds in the only associated sample, SO-FRT, were flagged "UJ" to indicate that they are estimated. The 31 August continuing calibration had excessive %D results for all of the above-named compounds plus Freon-113 (1,1,2-trichloro-1,2,2-trifluoroethane) and trichloroethene. The sample reporting limits for those compounds were flagged "UJ" to indicate that they are estimated in the other soil samples, SO-BG, SO-DD, and SO-SW.

The SVOC analyses used two instruments, three initial calibrations, and ten continuing calibrations. As with the VOC analyses, a few analytes in each initial calibration had RSD exceeding the 30 percent QC limit. However, the laboratory calculated these results by linear regression and found coefficients of determination of 0.995 or higher for all. Therefore, no qualifications are warranted for initial calibration problems. In addition, almost all of the continuing calibrations had all analytes within QC limits. The first exception was the 2 September continuing calibration on instrument MS9, which had an excessive %D for benzaldehyde. This continuing calibration was used only to determine phenol in some diluted samples, so no qualifications are warranted. The other exception was the 3 September continuing calibration on instrument MS10, which had excessive %Ds for butyl benzyl phthalate and benzo(k)fluoranthene. The sample reporting limits for those analytes in sample DP-1-S Layer A were flagged "UJ" to indicate that they are estimated. That same continuing calibration gave negligible response to phenol, possibly because the compound was omitted from the calibration mixture. Phenol was determined in diluted re-analyses of samples G107D, OP-4-S, CT-7, and CT-8 after that continuing calibration. The phenol results for those samples were flagged "J" to indicate the uncertainty caused by the lack of verification of the calibration.

## 5.0 BLANKS

The trip blank contained no VOCs. Calibration blanks and method blanks were free of target analytes in all analyses, with the following exception. One continuing calibration blank in the soil metals analyses contained some selenium. Since none of the samples contained any selenium, no qualifications are warranted.



## **6.0 INDUCTIVELY COUPLED PLASMA INTERFERENCE CHECK SAMPLES**

The ICP interference check samples (ICS) results were within acceptable limits with the following exceptions. One pair of samples analyzed on 1 September with aqueous samples had essentially zero recoveries (very small positive and negative results in the raw data) for all analytes and looked very much like laboratory blanks. No qualifications are warranted, because this appears to be a laboratory error in loading the tray of vials for analysis. However, two sets of ICS samples analyzed with the soil samples gave potassium recoveries of 147 and 145 percent, respectively, versus QC limits of 80 to 120 percent. The positive potassium results in the soil samples were flagged "J" to indicate that they are estimated and may be biased high.

## **7.0 INDUCTIVELY COUPLED PLASMA SERIAL DILUTION**

ICP serial dilutions were analyzed and gave acceptable results with one exception. In the aqueous serial dilution analysis performed on sample CT-6-S, calcium recovery was 116 percent, just above the QC limits of 85 to 115 percent. All aqueous results for calcium were flagged "J" to indicate the apparent matrix interference.

## **8.0 SURROGATE RECOVERIES**

Surrogate recoveries for VOC and SVOC analyses were within specified control limits, with the following exceptions.

In the VOC analyses, all surrogate irregularities involved 4-bromofluorobenzene in the soil samples. Recoveries were somewhat below the QC limits of 65 to 133 percent in samples SO-BG, SO-DD, and SO-SW, at 58 to 63 percent. Therefore, all VOC results for those samples were flagged "J" or "UJ", as appropriate, to indicate that they are estimated due to apparent matrix interference. Sample SO-FRT had a low, but acceptable, recovery of 66 percent, but the MS/MSD samples created from sample SO-FRT had low recoveries of 64 and 64 percent. No qualifications were applied to the parent sample results for the irregularities in the QC samples.

In the SVOC analyses, a number of samples had one surrogate outside QC limits, or one acidic surrogate and one base/neutral surrogate outside of their respective limits. No qualifications are warranted for these irregularities. However, three samples, DP-1-S Layer B, SH-2-S, and SH-3-S, had recoveries for two of the three acidic surrogates outside QC limits. Therefore, all results for acidic compounds in those three samples were flagged "J" or "UJ", as appropriate, to indicate that they are considered estimated because of matrix interference. Sample DP-1-S Layer A had irregular recoveries for two of its acidic surrogates and for all three of its base/neutral surrogates. Therefore, all results for that sample were flagged "J" or "UJ", as appropriate, to indicate that they are considered estimated because of serious matrix interference. In a number of samples, recovery of the acidic surrogate 2,4,6-tribromophenol was zero. The NFG state that all non-detected acidic results in those samples should be rejected. Examination of the chromatograms of the affected samples showed a large mass of non-target compounds with retention times similar to those of the surrogate. The presence of these compounds created a "hump" from which the surrogate peak could not be separated. As a matter of professional judgment, the associated acidic compound results were considered to be estimated, rather than rejected, for this localized matrix interference.

## **9.0 MATRIX SPIKE/MATRIX SPIKE DUPLICATES AND MATRIX DUPLICATES**

MS/MSD recoveries were within the specified control limits, with the following exceptions, all involving recoveries in the SVOC and total metals analyses. Aqueous MS/MSD analyses were performed using sample CT-6-S. In the SVOC analyses, control limits were not applied for phenol because the unspiked sample result was greater than 25 times the spike concentration. No qualifications are warranted for this data gap. Recoveries for potassium and sodium could not be determined because the unspiked sample contained more than four times as much as the spike. No qualifications are warranted for this data gap. However, there were low recoveries for aluminum (53 and 54 percent from the MS and MSD samples, respectively; 62 percent from the post-digestion spike [PDS]), barium (68 and 70 percent; 74 percent from the PDS), and thallium (72 and 74 percent; 84 percent from the PDS spike), versus the QC limits of 75 to 125 percent. Therefore, all aqueous aluminum, barium, and thallium results were flagged "J" or "UJ", as appropriate, to indicate that they are considered estimated.

The soil MS/MSD analyses were performed using sample SO-FRT. Calcium and iron recoveries could not be determined because the unspiked sample contained much more than the spike. No qualifications are warranted for these data gaps. However, antimony recoveries were only 73 and 71 percent (92 percent in the PDS), versus QC limits of 75 to 125 percent. The antimony results in the soil samples were flagged "UJ" to indicate that the results are considered estimated because of apparent matrix interference.

The waste MS analysis was performed using sample CD-1-S. Due to insufficient sample, no MSD analysis was performed. Calcium and sodium recoveries could not be determined because the unspiked sample contained much more than the spike. No qualifications are warranted for these data gaps. Zinc recovery was 74 percent (94 percent in the PDS), just below the QC limits of 75 to 125 percent. The zinc results in the waste samples were flagged "J" to indicate that they are considered estimated because of apparent matrix interference.

## **10.0 FIELD DUPLICATES**

No field duplicate samples were collected or analyzed.

## **11.0 LABORATORY CONTROL SAMPLES**

All laboratory control sample (LCS) results were within their various QC limits.

## **12.0 INTERNAL STANDARDS**

For the semivolatile and volatile analyses, the internal standard retention times in the samples were within QC limits established using the associated continuing calibration standard data in all cases. The internal standard area counts were within their QC limits of 50 to 200 percent with the following exceptions. In the VOC analysis of aqueous sample DP-2-S, matrix interference resulted in low area counts for pentafluorobenzene, 1,4-difluorobenzene, and chlorobenzene-d5, the first three of the four internal standards. In soil sample SO-BG, the fourth internal standard, 1,4-dichlorobenzene-d4, had an area count below the QC limits, also a result of apparent matrix interference. The analytes in those two

samples that are quantitated against the internal standards with irregular recoveries were flagged “J” or “UJ”, as appropriate, to indicate that their concentrations are considered estimated.

In the SVOC analyses, aqueous samples CD-3-S, CT-3-S, CT-5-S, SH-1-S, SH-2-S, and SS-1-S and soil sample SO-DD had high area counts, as much as 800 percent, for chrysene-d12, the fifth of six internal standards. This may be a result of the co-elution of the internal standard with some unidentified non-target compound or compounds of these samples. The compounds quantitated against that internal standard (3,3'-dichlorobenzidine, benzo(a)anthracene, bis(2-ethylhexyl)phthalate, butyl benzyl phthalate, chrysene, and pyrene) were flagged “UJ” to indicate the uncertainty in their sample reporting limits as a result of the interference.

### **13.0 SYSTEM PERFORMANCE**

No signs of degraded instrument performance were observed. Analytical systems were judged to have been within control and stable during the course of these analyses.

### **14.0 COMPOUND QUANTITATION**

Sample results were checked for proper dilution factors, volumes, masses, and adjustments for moisture content. Samples were correctly calculated. The laboratory does not report results less than the laboratory reporting limit. Many samples contained high concentrations of analytes, of non-target analytes, or of both. Therefore the initial analyses of some samples were performed at 10-fold or 20-fold dilutions, with corresponding higher sample reporting limits. In addition, a number of samples had one or more analytes with concentrations above the instrument's calibration range. Therefore, the samples were re-analyzed at a dilution, as much as 500 times the original analysis, to bring the results within calibration range. Although it took as many as three analyses of a sample to bring the results within calibration range, all reported positive results were within calibration range, so no extrapolations were reported. Therefore, no qualifications were required because of quantitation irregularities.

### **15.0 COMPOUND IDENTIFICATION**

The relative response times (RRT) of the reported compounds in the volatile and semivolatile analyses were within  $\pm 0.06$  RRT units of the standard relative retention times. The laboratory did not present mass spectra, so the identity of the analytes could not be fully verified.

### **16.0 TENTATIVELY IDENTIFIED COMPOUNDS**

No tentatively identified compound results were presented. It was noted in the chromatograms from the VOC and SVOC analyses that many samples contained large amounts of numerous compounds not on the analyte lists. The raw data included results for a number of VOCs and SVOCs included in the calibration standards, but not reported here. In particular, vinyl acetate was a major component of many samples and a number of other compounds were also detected in one or more samples.

### **17.0 OVERALL ASSESSMENT OF DATA**

The overall quality of this data package was acceptable. The primary reason for qualification of the data is the inherent nature of the samples. Many samples contained large concentrations of many analytes and

non-target analytes that caused significant matrix interference. Because the analytical methods were optimized to detect and determine trace quantities of analytes, these high concentrations resulted in problems with surrogate, MS/MSD, and internal standard results. The data may be used, as qualified, for any purpose.

*If you have any questions or need further information, please contact the undersigned at (404) 225-5516.*

Sincerely,

John Schendel  
Data Validation Coordinator

**QUALIFIED DATA SUMMARY TABLES**  
**LABORATORY LOT NO. 0408B38 - Soils**

PARAMETER	SO-BG	SO-DD	SO-FRT	SO-SW
<b>TCLP, Metals (mg/L)</b>				
Arsenic	0.250 U	0.250 U	0.250 U	0.250 U
Barium	0.500 U	0.500 U	0.500 U	0.500 U
Cadmium	0.0250 U	0.0250 U	0.0250 U	0.0250 U
Chromium	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Lead	0.0500 U	8.1300	0.0500 U	0.0690
Selenium	0.100 U	0.100 U	0.100 U	0.100 U
Silver	0.0250 U	0.0250 U	0.0250 U	0.0250 U
Mercury	0.00400 U	0.00400 U	0.00400 U	0.00400 U
<b>Metals (mg/kg)</b>				
Aluminum	623	1860	586	2180
Antimony	3.93 UJ	3.59 UJ	3.75 UJ	4.2 UJ
Arsenic	3.93 U	3.59 U	3.75 U	151
Barium	3.93 U	15.5	7.11	75.2
Beryllium	1.96 U	1.8 U	1.87 U	2.1 U
Cadmium	1.96 U	1.8 U	1.87 U	2.1 U
Calcium	234	7740	1530	3130
Chromium	1.96 U	7.93	1.87 U	8.69
Cobalt	1.96 U	1.8 U	1.87 U	3.46
Copper	1.96 U	59.2	17.8	107
Iron	596	4910	1080	10800
Lead	3.93 U	17.7	10.8	264
Magnesium	39.3 U	507	58.5	143
Manganese	4.26	74.7	8.22	169
Nickel	3.93 U	3.59 U	3.75 U	4.62
Potassium	78.5 U	80.3 J	74.9 U	92.1 J
Selenium	3.93 U	3.59 U	3.75 U	4.2 U
Silver	1.96 U	1.8 U	1.87 U	2.1 U
Sodium	247	470	389	204
Thallium	3.93 U	3.59 U	3.75 U	4.2 U
Vanadium	3.93 U	5.34	3.75 U	8.58
Zinc	4.11	32.3	8.32	518
Mercury	0.0987 U	0.0992 U	0.0994 U	0.35
<b>Volatiles Organic Compounds (ug/kg)</b>				
1,1,1-Trichloroethane	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
1,1,2,2-Tetrachloroethane	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
1,1,2-Trichloroethane	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
1,1-Dichloroethane	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
1,1-Dichloroethene	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
1,2,4-Trichlorobenzene	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
1,2-Dibromo-3-chloropropane	6.6 UJ	3.5 UJ	5.3 UJ	3.8 UJ
1,2-Dibromoethane	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
1,2-Dichlorobenzene	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
1,2-Dichloroethane	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
1,2-Dichloropropane	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
1,3-Dichlorobenzene	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
1,4-Dichlorobenzene	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
2-Butanone	13 UJ	7 UJ	11 UJ	7.6 UJ
2-Hexanone	13 UJ	7 UJ	11 U	7.6 UJ
4-Methyl-2-pentanone	13 UJ	7 UJ	11 U	7.6 UJ
Acetone	13 UJ	70 UJ	110 UJ	75.6 UJ
Benzene	6.6 UJ	32 J	5.3 U	3.8 UJ
Bromodichloromethane	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
Bromoform	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
Bromomethane	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
Carbon disulfide	13 UJ	10 J	11 U	7.6 UJ

**QUALIFIED DATA SUMMARY TABLES**  
**LABORATORY LOT NO. 0408B38 - Soils**

PARAMETER	SO-BG	SO-DD	SO-FRT	SO-SW
<b>Volatiles Organic Compounds (ug/kg) (Cont.)</b>				
Carbon tetrachloride	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
Chlorobenzene	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
Chloroethane	13 UJ	7 UJ	11 U	7.6 UJ
Chloroform	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
Chloromethane	13 UJ	7 UJ	11 UJ	7.6 UJ
cis-1,2-Dichloroethene	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
cis-1,3-Dichloropropene	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
Cyclohexane	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
Dibromochloromethane	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
Dichlorodifluoromethane	13 UJ	7 UJ	11 UJ	7.6 UJ
Ethylbenzene	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
Freon-113	13 UJ	7 UJ	11 U	7.6 UJ
Isopropylbenzene	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
m,p-Xylene	13 UJ	7 UJ	11 U	7.6 UJ
Methyl acetate	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
Methyl tert-butyl ether	6.6 UJ	3.5 UJ	5.3 UJ	3.8 UJ
Methylcyclohexane	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
Methylene chloride	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
o-Xylene	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
Styrene	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
Tetrachloroethene	6.6 UJ	3.5 UJ	5.3 UJ	3.8 UJ
Toluene	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
trans-1,2-Dichloroethene	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
trans-1,3-Dichloropropene	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
Trichloroethene	6.6 UJ	3.5 UJ	5.3 U	3.8 UJ
Trichlorofluoromethane	6.6 UJ	3.5 UJ	5.3 UJ	3.8 UJ
Vinyl chloride	13 UJ	7 UJ	11 U	7.6 UJ
<b>Semivolatile Organic Compounds (ug/kg)</b>				
1,1'-Biphenyl	330 U	330 U	330 U	330 U
2,4,5-Trichlorophenol	1700 U	1700 U	1700 U	1700 U
2,4,6-Trichlorophenol	330 U	330 U	330 U	330 U
2,4-Dichlorophenol	330 U	330 U	330 U	330 U
2,4-Dimethylphenol	330 U	330 U	330 U	330 U
2,4-Dinitrophenol	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	330 U	330 U	330 U	330 U
2,6-Dinitrotoluene	330 U	330 U	330 U	330 U
2-Chloronaphthalene	330 U	330 U	330 U	330 U
2-Chlorophenol	330 U	330 U	330 U	330 U
2-Methylnaphthalene	330 U	610	330 U	330 U
2-Methylphenol	330 U	330 U	330 U	330 U
2-Nitroaniline	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	330 U	330 U	330 U	330 U
3,3'-Dichlorobenzidine	670 U	670 UJ	670 U	670 U
3-Nitroaniline	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	1700 U	1700 U	1700 U	1700 U
4-Bromophenyl phenyl ether	330 U	330 U	330 U	330 U
4-Chloro-3-methylphenol	330 U	330 U	330 U	330 U
4-Chloroaniline	330 U	330 U	330 U	330 U
4-Chlorophenyl phenyl ether	330 U	330 U	330 U	330 U
4-Methylphenol	330 U	330 U	330 U	330 U
4-Nitroaniline	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	1700 U	1700 U	1700 U	1700 U
Acenaphthene	330 U	330 U	330 U	330 U
Acenaphthylene	330 U	330 U	330 U	1300
Acetophenone	330 U	330 U	330 U	330 U

**QUALIFIED DATA SUMMARY TABLES**  
**LABORATORY LOT NO. 0408B38 - Soils**

PARAMETER	SO-BG	SO-DD	SO-FRT	SO-SW
<b>Semivolatile Organic Compounds (ug/kg) (Cont.)</b>				
Anthracene	330 U	330 U	330 U	1000
Atrazine	330 U	330 U	330 U	330 U
Benz(a)anthracene	330 U	330 UJ	330 U	2400
Benzaldehyde	330 U	330 U	330 U	330 U
Benzo(a)pyrene	330 U	330 U	330 U	2800
Benzo(b)fluoranthene	330 U	330 U	330 U	1800
Benzo(g,h,i)perylene	330 U	330 U	330 U	2400
Benzo(k)fluoranthene	330 U	330 U	330 U	3200
Bis(2-chloroethoxy)methane	330 U	330 U	330 U	330 U
Bis(2-chloroethyl)ether	330 U	330 U	330 U	330 U
Bis(2-chloroisopropyl)ether	330 U	330 U	330 U	330 U
Bis(2-ethylhexyl)phthalate	330 U	330 UJ	330 U	330 U
Butyl benzyl phthalate	330 U	330 UJ	330 U	330 U
Caprolactam	330 U	330 U	330 U	330 U
Carbazole	330 U	330 U	330 U	370
Chrysene	330 U	330 UJ	330 U	3100
Dibenz(a,h)anthracene	330 U	330 U	330 U	650
Dibenzofuran	330 U	330 U	330 U	330 U
Diethyl phthalate	330 U	330 U	330 U	330 U
Dimethyl phthalate	330 U	330 U	330 U	330 U
Di-n-butyl phthalate	330 U	1100	330 U	330 U
Di-n-octyl phthalate	330 U	330 U	330 U	330 U
Fluoranthene	330 U	330 U	330 U	4600
Fluorene	330 U	330 U	330 U	330 U
Hexachlorobenzene	330 U	330 U	330 U	330 U
Hexachlorobutadiene	330 U	330 U	330 U	330 U
Hexachlorocyclopentadiene	670 U	670 U	670 U	670 U
Hexachloroethane	330 U	330 U	330 U	330 U
Indeno(1,2,3-cd)pyrene	330 U	330 U	330 U	3000
Isophorone	330 U	330 U	330 U	330 U
Naphthalene	330 U	330 U	330 U	330 U
Nitrobenzene	330 U	330 U	330 U	330 U
N-Nitrosodi-n-propylamine	330 U	330 U	330 U	330 U
N-Nitrosodiphenylamine	330 U	330 U	330 U	330 U
Pentachlorophenol	1700 U	1700 U	1700 U	1700 U
Phenanthrene	330 U	400	330 U	1800
Phenol	330 U	330 U	330 U	330 U
Pyrene	330 U	330 UJ	330 U	4000

**Notes:**

BG = Background

DD = Drainage ditch

FRT = Frac tank area

J = The associated value is the approximate concentration of the analyte in the sample.

µg/kg = Micrograms per kilogram

mg/kg = Milligrams per kilogram

mg/L = Milligrams per liter

SO = Soil

SW = South wall of the tank farm

TCLP = Toxicity characteristic leaching procedure

U = Analyte was analyzed for but not detected at or above the associated value.

**QUALIFIED DATA SUMMARY TABLES**  
**LABORATORY LOT NO. 0408B38 - Tanks**

PARAMETERS	AS-S	CD-1-S	CD-2-S	CD-3-S	CT-1-S	CT-2-S	CT-3-S	CT-4-S	CT-5-S
<b>TCLP Metals (mg/L)</b>									
Arsenic	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U
Barium	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500	0.500 U	0.500 U	0.500 U
Cadmium	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U
Chromium	0.0500 U	0.1120	0.0500 U	0.0500 U	0.4520	0.0708	0.0500 U	0.0500 U	0.0500 U
Lead	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Selenium	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Silver	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U
Mercury	0.00400 U	0.00400 U	0.00400 U	0.00400 U	0.00400 U	0.00400 U	0.00400 U	0.00400 U	0.00400 U
<b>Metals</b>	<b>mg/L</b>	<b>mg/kg</b>	<b>mg/L</b>	<b>mg/kg</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
Aluminum	1.59 J	58	18 J	120	73.4 J	3.37 J	1.44 J	0.2 UJ	1.35 J
Antimony	0.0200 U	0.9800 U	0.0200 U	1.2000 U	0.0208	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Arsenic	0.0500 U	0.9800 U	0.0500 U	1.2000 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Barium	0.0457 J	1.6	0.0854 J	3.7	0.135 J	0.0329 J	0.0502 J	0.0279 J	0.428 J
Beryllium	0.0100 U	0.4900 U	0.0100 U	0.5900 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Cadmium	0.0050 U	0.4900 U	0.0080	0.5900 U	0.0278	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Calcium	124 J	340	377 J	130	370 J	382 J	691 J	269 J	416 J
Chromium	0.0190	0.4900 U	0.0743	0.6100	1.9200	0.1330	0.0469	0.0133	0.0413
Cobalt	0.0200 U	0.4900 U	0.0552	0.4900 U	0.0688	0.0200 U	0.0229	0.0200	0.0200 U
Copper	0.716	0.89	1.9	14	31.7	4.65	3.3	0.4	1.19
Iron	29.3	110	253	40	431	36	18.4	6.15	101
Lead	0.0200	0.9800 U	0.0173	2.6000	0.0388	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Magnesium	22.8	9.8 U	44.3	12 U	25.7	14.4	54.3	42.5	27.1
Manganese	0.968	1.3	6.95	1.2 U	6.5	1.96	2.83	0.444	2.4
Nickel	0.108	0.98 U	0.301	1.2 U	1.65	0.209	0.227	0.17	0.141
Potassium	36.0	400.0	342.0	240.0	51.5	47.0	123.0	126.0	64.0
Selenium	0.0200 U	0.9800 U	0.0200 U	1.2000 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Silver	0.0100 U	0.4900 U	0.0100 U	0.5900 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Sodium	434	3300	3680	1700	1460	1950	3190	2620	2000
Thallium	0.0200 UJ	0.9800 U	0.0200 UJ	1.2000 U	0.0200 UJ	0.0200 UJ	0.0200 UJ	0.0200 UJ	0.0200 UJ
Vanadium	0.0100 U	0.9800 U	0.0100 U	41.0000	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Zinc	0.356	2.5 J	5.96	6.3 J	9.52	2.27	1.38	1.19	5.58
Mercury	0.00024	0.00981 U	0.0002 U	0.00934 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
<b>Volatile Organic Compounds</b>	<b>ug/L</b>	<b>ug/kg</b>	<b>ug/L</b>	<b>ug/kg</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>
1,1,1-Trichloroethane	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
1,1,2,2-Tetrachloroethane	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
1,1,2-Trichloroethane	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethane	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
1,2,4-Trichlorobenzene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U



**QUALIFIED DATA SUMMARY TABLES**  
**LABORATORY LOT NO. 0408B38 - Tanks**

PARAMETERS	AS-S	CD-1-S	CD-2-S	CD-3-S	CT-1-S	CT-2-S	CT-3-S	CT-4-S	CT-5-S
1,2-Dibromoethane	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
<b>Volatile Organic Compounds (Cont.)</b>	<b>ug/L</b>	<b>ug/kg</b>	<b>ug/L</b>	<b>ug/kg</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>
1,2-Dichlorobenzene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
1,2-Dichloroethane	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
1,2-Dichloropropane	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
1,3-Dichlorobenzene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
2-Butanone	100 U	5000 U	250	5000 U	100 U	100 U	100 U	460	100 U
2-Hexanone	100 U	5000 U	100 U	5000 U	100 U	100 U	100 U	100 U	100 U
4-Methyl-2-pentanone	310	5000 U	110	5000 U	100 U	330	390	550	120
Acetone	3800	11000	11000 J	10000 U	700	1300	2200	2000	1000
Benzene	50 U	2500 U	640	2500 U	310	54	57	50 U	190
Bromodichloromethane	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
Bromoform	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
Bromomethane	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
Carbon disulfide	50 U	5000 U	50 U	5000 U	140	50 U	50 U	50 U	50 U
Carbon tetrachloride	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
Chlorobenzene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
Chloroethane	100 U	5000 U	100 U	5000 U	100 U	100 U	100 U	100 U	100 U
Chloroform	50 U	2500 U	62	2500 U	50 U	50 U	50 U	50 U	50 U
Chloromethane	100 U	5000 U	100 U	5000 U	100 U	100 U	100 U	100 U	100 U
cis-1,2-Dichloroethene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
cis-1,3-Dichloropropene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
Cyclohexane	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
Dibromochloromethane	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
Dichlorodifluoromethane	100 U	5000 U	100 U	5000 U	100 U	100 U	100 U	100 U	100 U
Ethylbenzene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
Freon-113	100 U	5000 U	100 U	5000 U	100 U	100 U	100 U	100 U	100 U
Isopropylbenzene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
m,p-Xylene	100 U	5000 U	100 U	5000 U	100 U	100 U	100 U	100 U	100 U
Methyl acetate	50 UJ	2500 U	50 UJ	2500 U	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
Methyl tert-butyl ether	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
Methylcyclohexane	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
Methylene chloride	50 U	2500 UJ	50 U	2500 UJ	50 U	50 U	50 U	50 U	50 U
o-Xylene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
Styrene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
Tetrachloroethene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
Toluene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
trans-1,2-Dichloroethene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
trans-1,3-Dichloropropene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
Trichloroethene	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U

**QUALIFIED DATA SUMMARY TABLES**  
**LABORATORY LOT NO. 0408B38 - Tanks**

PARAMETERS	AS-S	CD-1-S	CD-2-S	CD-3-S	CT-1-S	CT-2-S	CT-3-S	CT-4-S	CT-5-S
Trichlorofluoromethane	50 U	2500 U	50 U	2500 U	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	20 U	5000 U	20 U	5000 U	20 U	20 U	20 U	20 U	20 U
<b>Semivolatile Organic Compounds</b>	<b>ug/L</b>	<b>mg/kg</b>	<b>ug/L</b>	<b>mg/kg</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>
1,1'-Biphenyl	100 U	96 U	200 U	98 U	490	100 U	100 U	100 U	500 U
2,4,5-Trichlorophenol	250 U	480 U	500 U	490 U	500 U	250 U	250 U	250 U	1250 U
2,4,6-Trichlorophenol	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
2,4-Dichlorophenol	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
2,4-Dimethylphenol	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
2,4-Dinitrophenol	250 U	480 U	500 U	490 U	500 U	250 U	250 U	250 U	1250 U
2,4-Dinitrotoluene	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
2,6-Dinitrotoluene	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
2-Chloronaphthalene	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
2-Chlorophenol	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
2-Methylnaphthalene	100 U	96 U	1900	450	4000	120	290	100 U	1300
2-Methylphenol	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
2-Nitroaniline	250 U	480 U	500 U	490 U	500 U	250 U	250 U	250 U	1250 U
2-Nitrophenol	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
3,3'-Dichlorobenzidine	100 U	640 U	200 U	660 UJ	200 U	100 U	100 UJ	100 U	500 UJ
3-Nitroaniline	250 U	480 U	500 U	490 U	500 U	250 U	250 U	250 U	1250 U
4,6-Dinitro-2-methylphenol	250 U	480 U	500 U	490 U	500 U	250 U	250 U	250 U	1250 U
4-Bromophenyl phenyl ether	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
4-Chloro-3-methylphenol	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
4-Chloroaniline	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
4-Chlorophenyl phenyl ether	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
4-Methylphenol	410	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
4-Nitroaniline	250 U	480 U	500 U	490 U	500 U	250 U	250 U	250 U	1250 U
4-Nitrophenol	250 U	480 U	500 U	490 U	500 U	250 U	250 U	250 U	1250 U
Acenaphthene	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Acenaphthylene	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Acetophenone	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Anthracene	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Atrazine	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Benz(a)anthracene	100 U	96 U	200 U	98 UJ	200 U	100 U	100 UJ	100 U	500 UJ
Benzaldehyde	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Benzo(a)pyrene	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Benzo(b)fluoranthene	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Benzo(g,h,i)perylene	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Benzo(k)fluoranthene	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Bis(2-chloroethoxy)methane	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Bis(2-chloroethyl)ether	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Bis(2-chloroisopropyl)ether	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U

**QUALIFIED DATA SUMMARY TABLES**  
**LABORATORY LOT NO. 0408B38 - Tanks**

PARAMETERS	AS-S	CD-1-S	CD-2-S	CD-3-S	CT-1-S	CT-2-S	CT-3-S	CT-4-S	CT-5-S
Bis(2-ethylhexyl)phthalate	110	96 U	880	98 UJ	2400	100 U	100 UJ	100 U	500 UJ
Butyl benzyl phthalate	100 U	96 U	200 U	98 UJ	200 U	100 U	100 UJ	100 U	500 UJ
Caprolactam	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
<b>Semivolatile Organic Compounds (Cont.)</b>	<b>ug/L</b>	<b>mg/kg</b>	<b>ug/L</b>	<b>mg/kg</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>
Carbazole	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Chrysene	100 U	96 U	200 U	98 UJ	200 U	100 U	100 UJ	100 U	500 UJ
Dibenz(a,h)anthracene	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Dibenzofuran	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Diethyl phthalate	100 U	96 U	2400	98 U	420	170	370	160	500 U
Dimethyl phthalate	100 U	96 U	200 U	98 U	200 U	100 U	270	100 U	500 U
Di-n-butyl phthalate	100 U	96 U	200 U	98 U	2200	100 U	230	100 U	680
Di-n-octyl phthalate	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Fluoranthene	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Fluorene	100 U	96 U	200 U	98 U	1200	100 U	100 U	100 U	500 U
Hexachlorobenzene	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Hexachlorobutadiene	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Hexachlorocyclopentadiene	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Hexachloroethane	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Indeno(1,2,3-cd)pyrene	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Isophorone	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Naphthalene	100 U	96 U	1000	98 U	1000	100 U	110	100 U	500
Nitrobenzene	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
N-Nitrosodi-n-propylamine	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
N-Nitrosodiphenylamine	100 U	96 U	200 U	98 U	200 U	100 U	100 U	100 U	500 U
Pentachlorophenol	250 U	480 U	500 U	490 U	500 U	250 U	250 U	250 U	1250 U
Phenanthrene	100 U	96 U	200 U	260	1000	100 U	100 U	100 U	500 U
Phenol	100 U	96 U	11000	98 U	5900	5300	27000	40000	14000
Pyrene	100 U	96 U	200 U	98 UJ	1400	100 U	100 UJ	100 U	500 UJ

**Notes:**

J = The associated value is the approximate concentration of the analyte in the sample.

ug/Kg = Micrograms per kilogram

ug/L = Micrograms per liter

mg/Kg = Milligrams per kilogram

mg/L = Milligrams per liter

NA = The analyte was not analyzed for

TB-1 = Trip blank

TCLP = Toxicity characteristic leaching procedure

U = Analyte was analyzed for but not detected at or above the associated value

UJ = Analyte was analyzed for but not detected at or above the associated value, which is estimated

**QUALIFIED DATA SUMMARY TABLES**  
**LABORATORY LOT NO. 0408B38 - Tanks**

PARAMETERS	CT-6-S	CT-7	CT-8	DAF-S	DP-1-S LAYER A	DP-1-S LAYER B	DP-2-S	F237	FA-S
<b>TCLP Metals (mg/L)</b>									
Arsenic	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U
Barium	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Cadmium	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U
Chromium	0.0500 U	0.0500 U	0.0655	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Lead	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0630	0.0500 U
Selenium	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Silver	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U
Mercury	0.00400 U	0.00400 U	0.00400 U	0.00400 U	0.00400 U	0.00400 U	0.00400 U	0.00400 U	0.00400 U
<b>Metals</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
Aluminum	0.2 UJ	1.16 J	3.43 J	0.2 UJ	6.62 J	92 J	0.2 UJ	1 UJ	0.287 J
Antimony	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.1000 U	0.0200 U	0.1000 U	0.0200 U
Arsenic	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.2500 U	0.0500 U	0.2500 U	0.0500 U
Barium	0.0312 J	0.0536 J	0.0542 J	0.02 UJ	0.063 J	0.55 J	0.02 UJ	0.1 UJ	0.02 UJ
Beryllium	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0500 U	0.0100 U	0.0500 U	0.0100 U
Cadmium	0.0050 U	0.0050 U	0.0088	0.0050 U	0.0050 U	0.0250 U	0.0050 U	0.0250 U	0.0050 U
Calcium	60.8 J	730 J	573 J	21.3 J	716 J	989 J	22.1 J	7.23 J	164 J
Chromium	0.0104	0.0113	0.1330	0.0100 U	0.0387	0.1830	0.0100 U	0.0500 U	0.0100 U
Cobalt	0.0200 U	0.0200 U	0.0506	0.0200 U	0.0315	0.1000 U	0.0200 U	0.1000 U	0.0200 U
Copper	0.437	2.25	3.3	0.01 U	11	13.1	0.353	0.142	0.0388
Iron	2.52	16.1	40.5	7.05	31.3	232	2.38	11.1	5.53
Lead	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0386	0.1070	0.0100 U	0.0500 U	0.0100 U
Magnesium	56.5	41.2	37.3	1.99	43.7	69.8	36.2	0.902	25.1
Manganese	0.396	1.39	2.33	0.0726	2.16	4.45	0.218	0.112	1.36
Nickel	0.124	0.203	1.44	0.0338	0.203	0.326	0.0753	0.1 U	0.109
Potassium	93.1	125.0	70.5	3.4	385.0	477.0	110.0	7.2	42.1
Selenium	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.1000 U	0.0200 U	0.1000 U	0.0200 U
Silver	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0500 U	0.0100 U	0.0500 U	0.0100 U
Sodium	1960	3030	2080	23.3	2290	3150	1660	1450	507
Thallium	0.0200 UJ	0.0200 UJ	0.0200 UJ	0.0200 UJ	0.0200 UJ	0.1000 UJ	0.0200 UJ	0.1000 UJ	0.0200 UJ
Vanadium	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0500 U	0.0100 U	0.0500 U	0.0100 U
Zinc	0.222	1.8	4.1	0.02 U	2.58	3.01	0.108	2.03	0.111
Mercury	0.0002 U	0.00044	0.0002 U	0.0002 U	0.0002	0.00029	0.0002 U	0.0002 U	0.0002 U
<b>Volatile Organic Compounds</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/kg</b>	<b>ug/L</b>	<b>ug/L</b>
1,1,1-Trichloroethane	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
1,1,2,2-Tetrachloroethane	50 U	50 U	50 U	5 U	100 U	100 U	100 U	100 U	50 U
1,1,2-Trichloroethane	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
1,1-Dichloroethane	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
1,1-Dichloroethene	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
1,2,4-Trichlorobenzene	50 U	50 U	50 U	5 U	100 U	100 U	100 U	100 U	50 U
1,2-Dibromo-3-chloropropane	50 U	50 U	50 U	5 U	100 U	100 U	100 U	100 U	50 U

**QUALIFIED DATA SUMMARY TABLES**  
**LABORATORY LOT NO. 0408B38 - Tanks**

PARAMETERS	CT-6-S	CT-7	CT-8	DAF-S	DP-1-S LAYER A	DP-1-S LAYER B	DP-2-S	F237	FA-S
1,2-Dibromoethane	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
<b>Volatile Organic Compounds (Cont.)</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/kg</b>	<b>ug/L</b>	<b>ug/L</b>
1,2-Dichlorobenzene	50 U	50 U	50 U	5 U	560	100 U	100 U	100 U	50 U
1,2-Dichloroethane	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
1,2-Dichloropropane	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
1,3-Dichlorobenzene	50 U	50 U	50 U	5 U	100 U	100 U	100 U	100 U	50 U
1,4-Dichlorobenzene	50 U	50 U	50 U	5 U	100 U	780	100 U	100 U	50 U
2-Butanone	440	100 U	100 U	10 U	350	970	200 J	200 U	100 U
2-Hexanone	100 U	100 U	100 U	10 U	200 U	200 U	200 UJ	200 U	100 U
4-Methyl-2-pentanone	290	300	400	10 U	480	200 U	200 UJ	200 U	100 U
Acetone	3000	3700	1500	20 UJ	28000	52000	7300 J	400 U	3700
Benzene	50 U	370	82	5 U	920	1600	120 J	100 U	50 U
Bromodichloromethane	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
Bromoform	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
Bromomethane	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
Carbon disulfide	91	50 U	200	5 U	100 U	550	360 J	100 U	74
Carbon tetrachloride	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
Chlorobenzene	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
Chloroethane	100 U	100 U	100 U	10 U	200 U	200 U	200 UJ	200 U	100 U
Chloroform	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
Chloromethane	100 U	100 U	100 U	10 U	200 U	200 U	200 UJ	200 U	100 U
cis-1,2-Dichloroethene	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
cis-1,3-Dichloropropene	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
Cyclohexane	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
Dibromochloromethane	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
Dichlorodifluoromethane	100 U	100 U	100 U	10 UJ	200 U	200 U	200 UJ	200 U	100 U
Ethylbenzene	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
Freon-113	100 U	100 U	100 U	10 U	200 U	200 U	200 UJ	200 U	100 U
Isopropylbenzene	50 U	50 U	50 U	5 U	420	770	100 U	100 U	50 U
m,p-Xylene	100 U	100 U	100 U	10 U	200 U	240	200 UJ	200 U	100 U
Methyl acetate	50 UJ	50 U	50 U	5 UJ	100 UJ	100 UJ	100 UJ	100 U	50 U
Methyl tert-butyl ether	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
Methylcyclohexane	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
Methylene chloride	50 U	50 UJ	50 UJ	5 U	100 U	100 U	100 UJ	100 UJ	50 UJ
o-Xylene	50 U	50 U	50 U	5 U	400	440	100 UJ	100 U	50 U
Styrene	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
Tetrachloroethene	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
Toluene	50 U	50 U	50 U	5 U	100 U	130	100 UJ	100 U	50 U
trans-1,2-Dichloroethene	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
trans-1,3-Dichloropropene	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
Trichloroethene	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U

**QUALIFIED DATA SUMMARY TABLES**  
**LABORATORY LOT NO. 0408B38 - Tanks**

PARAMETERS	CT-6-S	CT-7	CT-8	DAF-S	DP-1-S LAYER A	DP-1-S LAYER B	DP-2-S	F237	FA-S
Trichlorofluoromethane	50 U	50 U	50 U	5 U	100 U	100 U	100 UJ	100 U	50 U
Vinyl chloride	20 U	20 U	20 U	2 U	40 U	40 U	40 UJ	40 U	20 U
<b>Semivolatile Organic Compounds</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>
1,1'-Biphenyl	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
2,4,5-Trichlorophenol	250 U	2500 U	2500 U	250 U	2500 UJ	12500 UJ	250 U	250 U	2500 U
2,4,6-Trichlorophenol	100 U	1000 U	1000 U	100 U	1000 UJ	5000 UJ	100 U	100 U	1000 U
2,4-Dichlorophenol	100 U	1000 U	1000 U	100 U	1000 UJ	5000 UJ	100 U	100 U	1000 U
2,4-Dimethylphenol	100 U	1000 U	1000 U	100 U	1000 UJ	5000 UJ	100 U	100 U	1000 U
2,4-Dinitrophenol	250 U	2500 U	2500 U	250 U	2500 UJ	12500 UJ	250 U	250 U	2500 U
2,4-Dinitrotoluene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
2,6-Dinitrotoluene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
2-Chloronaphthalene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
2-Chlorophenol	100 U	1000 U	1000 U	100 U	1000 UJ	5000 UJ	100 U	100 U	1000 U
2-Methylnaphthalene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
2-Methylphenol	100 U	1000 U	1000 U	100 U	1000 UJ	5000 UJ	100 U	100 U	1000 U
2-Nitroaniline	250 U	2500 U	2500 U	250 U	2500 UJ	12500 U	250 U	250 U	2500 U
2-Nitrophenol	100 U	1000 U	1000 U	100 U	1000 UJ	5000 UJ	100 U	100 U	1000 U
3,3'-Dichlorobenzidine	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
3-Nitroaniline	250 U	2500 U	2500 U	250 U	2500 UJ	12500 U	250 U	250 U	2500 U
4,6-Dinitro-2-methylphenol	250 U	2500 U	2500 U	250 U	2500 UJ	12500 UJ	250 U	250 U	2500 U
4-Bromophenyl phenyl ether	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
4-Chloro-3-methylphenol	100 U	1000 U	1000 U	100 U	1000 UJ	5000 UJ	100 U	100 U	1000 U
4-Chloroaniline	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
4-Chlorophenyl phenyl ether	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
4-Methylphenol	100 U	1000 U	1000 U	100 U	1000 UJ	5000 UJ	100 U	100 U	1000 U
4-Nitroaniline	250 U	2500 U	2500 U	250 U	2500 UJ	12500 U	250 U	250 U	2500 U
4-Nitrophenol	250 U	2500 U	2500 U	250 U	2500 UJ	12500 UJ	250 U	250 U	2500 U
Acenaphthene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Acenaphthylene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Acetophenone	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Anthracene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Atrazine	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Benz(a)anthracene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Benzaldehyde	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Benzo(a)pyrene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Benzo(b)fluoranthene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Benzo(g,h,i)perylene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Benzo(k)fluoranthene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Bis(2-chloroethoxy) ether	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Bis(2-chloroisopropyl) ether	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U

**QUALIFIED DATA SUMMARY TABLES**  
**LABORATORY LOT NO. 0408B38 - Tanks**

PARAMETERS	CT-6-S	CT-7	CT-8	DAF-S	DP-1-S LAYER A	DP-1-S LAYER B	DP-2-S	F237	FA-S
Bis(2-ethylhexyl)phthalate	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Butyl benzyl phthalate	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Caprolactam	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
<b>Semivolatle Organic Compounds (Cont.)</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>
Carbazole	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Chrysene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Dibenz(a,h)anthracene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Dibenzofuran	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Diethyl phthalate	100 U	1000 U	1000 U	100 U	1000 UJ	5700	100 U	100 U	1000 U
Dimethyl phthalate	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	510	100 U	1000 U
Di-n-butyl phthalate	100 U	1000 U	1000 U	100 U	1000 UJ	12000	100 U	100 U	1000 U
Di-n-octyl phthalate	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Fluoranthene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Fluorene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Hexachlorobenzene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Hexachlorobutadiene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Hexachlorocyclopentadiene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Hexachloroethane	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Indeno(1,2,3-cd)pyrene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Isophorone	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	150	1000 U
Naphthalene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Nitrobenzene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
N-Nitrosodi-n-propylamine	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
N-Nitrosodiphenylamine	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Pentachlorophenol	250 U	2500 U	2500 U	250 U	2500 UJ	12000 UJ	250 U	250 U	2500 U
Phenanthrene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U
Phenol	20000	48000 J	15000 J	100 U	1000 UJ	12000 J	1300	260	1000 U
Pyrene	100 U	1000 U	1000 U	100 U	1000 UJ	5000 U	100 U	100 U	1000 U

**Notes:**

J = The associated value is the approximate concentration of the analyte in the sample.

ug/Kg = Micrograms per kilogram

ug/L = Micrograms per liter

mg/Kg = Milligrams per kilogram

mg/L = Milligrams per liter

NA = The analyte was not analyzed for

TB-1 = Trip blank

TCLP = Toxicity characteristic leaching procedure

U = Analyte was analyzed for but not detected at or above the associated value

UJ = Analyte was analyzed for but not detected at or above the associated value, which is estimated

**QUALIFIED DATA SUMMARY TABLES**  
**LABORATORY LOT NO. 0408B38 - Tanks**

PARAMETERS	G107D	G300D	NAOH	OP-4-S	RW-1-S	RW-2-S	SH-1-S	SH-2-S	SH-3-S
<b>TCLP Metals (mg/L)</b>									
Arsenic	0.250 U	0.250 U	NA	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U
Barium	0.500 U	0.500 U	NA	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Cadmium	0.0250 U	0.0250 U	NA	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U
Chromium	0.0500 U	0.0500 U	NA	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.3020	0.0500 U
Lead	0.0500 U	0.0724	NA	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0690	0.0500 U
Selenium	0.100 U	0.100 U	NA	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Silver	0.0250 U	0.0250 U	NA	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U
Mercury	0.00400 U	0.00400 U	NA	0.00400 U	0.00400 U	0.00400 U	0.00400 U	0.00400 U	0.00400 U
<b>Metals</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
Aluminum	2.22 J	1 UJ	2 UJ	2.9 J	0.795 J	0.948 J	1.48 J	400 J	0.746 J
Antimony	0.0200 U	0.1000 U	0.2000 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Arsenic	0.0500 U	0.2500 U	0.5000 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Barium	0.175 J	0.1 UJ	0.2 UJ	0.0733 J	0.02 UJ	0.0221 J	0.095 J	0.0461 J	0.0455 J
Beryllium	0.0100 U	0.0500 U	0.1000 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Cadmium	0.0050 U	0.0250 U	0.0500 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0177	0.0050 U
Calcium	182 J	8.73 J	528 J	420 J	381 J	770 J	473 J	360 J	405 J
Chromium	0.0100 UJ	0.0500 U	0.1000 U	0.0253	0.0100 U	0.0100 U	0.0276	0.3430	0.0292
Cobalt	0.0200 U	0.1000 U	0.0200 U	0.0250	0.0200 U	0.0200 U	0.0301	0.0716	0.0200 U
Copper	0.13	0.05 U	0.18	0.45	0.0488	0.119	0.172	10.9	0.0662
Iron	140	5.47	20.5	116	19.1	4.47	68.2	700	5.59
Lead	0.0100 U	0.0500 U	0.1000 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0689	0.0100 U
Magnesium	26.1	1.25	42.2	49.7	7.72	4.56	59.6	114	45.5
Manganese	3.09	0.123	2.77	6.42	0.343	0.411	3.87	9.71	2.3
Nickel	0.139	0.1 U	0.2 U	0.374	0.0718	0.0475	0.223	0.371	0.145
Potassium	94.1	8.3	62.3	216.0	82.3	32.4	249.0	312.0	367.0
Selenium	0.0200 U	0.1000 U	0.2000 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Silver	0.0100 U	0.0500 U	0.1000 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Sodium	3640	1120	727	2780	1660	1550	3390	3380	4170
Thallium	0.0200 UJ	0.1000 UJ	0.2000 UJ	0.0200 UJ	0.0200 UJ	0.0200 UJ	0.0200 UJ	0.0200 UJ	0.0200 UJ
Vanadium	0.0100 U	0.0500 U	0.1000 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Zinc	1.38	0.7	0.425	4.05	0.38	0.766	4.67	13.8	0.437
Mercury	0.0002 U	0.0016 U	0.0016 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
<b>Volatile Organic Compounds</b>									
	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>
1,1,1-Trichloroethane	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
1,1,2,2-Tetrachloroethane	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
1,1,2-Trichloroethane	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethane	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethene	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
1,2,4-Trichlorobenzene	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloroethane	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U



**QUALIFIED DATA SUMMARY TABLES**  
**LABORATORY LOT NO. 0408B38 - Tanks**

PARAMETERS	G107D	G300D	NAOH	OP-4-S	RW-1-S	RW-2-S	SH-1-S	SH-2-S	SH-3-S
1,2-Dibromoethane	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
<b>Volatile Organic Compounds (Cont.)</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>
1,2-Dichlorobenzene	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
1,2-Dichloroethane	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
1,2-Dichloropropane	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
1,3-Dichlorobenzene	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Butanone	180	200 U	200 U	2200	440	100 U	380	220	400
2-Hexanone	100 U	200 U	200 U	100 U	100 U	100 U	100 U	100 U	100 U
4-Methyl-2-pentanone	100 U	200 U	850	510	340	100 U	410	420	420
Acetone	8600	400 U	6100	51000 J	10000	1100	34000	21000	270000 J
Benzene	50 U	100 U	500	1200	160	50 U	860	790	290
Bromodichloromethane	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
Bromoforn	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
Bromomethane	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
Carbon disulfide	50 U	100 U	770	50 U	50 U	50 U	50 U	50 U	50 U
Carbon tetrachloride	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
Chlorobenzene	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
Chloroethane	100 U	200 U	200 U	100 U	100 U	100 U	100 U	100 U	100 U
Chloroform	50 U	100 U	100 U	93	50 U	50 U	50 U	50 U	50 U
Chloromethane	100 U	200 U	200 U	100 U	100 U	100 U	100 U	100 U	100 U
cis-1,2-Dichloroethene	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
cis-1,3-Dichloropropene	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
Cyclohexane	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
Dibromochloromethane	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
Dichlorodifluoromethane	100 U	200 U	200 U	100 U	100 U	100 U	100 U	100 U	100 U
Ethylbenzene	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
Freon-113	100 U	200 U	200 U	100 U	100 U	100 U	100 U	100 U	100 U
Isopropylbenzene	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
m,p-Xylene	100 U	200 U	200 U	100 U	100 U	100 U	100 U	100 U	100 U
Methyl acetate	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
Methyl tert-butyl ether	50 U	100 U	100 U	89	50 U	50 U	78	50 U	50 U
Methylcyclohexane	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
Methylene chloride	50 UJ	100 UJ	100 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
o-Xylene	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
Styrene	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
Tetrachloroethene	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
Toluene	50 U	100 U	100 U	50 U	50 U	50 U	50 U	54	50 U
trans-1,2-Dichloroethene	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
trans-1,3-Dichloropropene	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
Trichloroethene	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U

**QUALIFIED DATA SUMMARY TABLES**  
**LABORATORY LOT NO. 0408B38 - Tanks**

PARAMETERS	G107D	G300D	NAOH	OP-4-S	RW-1-S	RW-2-S	SH-1-S	SH-2-S	SH-3-S
Trichlorofluoromethane	50 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	20 U	40 U	40 U	20 U	20 U	20 U	20 U	20 U	20 U
<b>Semivolatile Organic Compounds</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>
1,1'-Biphenyl	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
2,4,5-Trichlorophenol	2500 U	250 U	2500 U	250 U	250 U	250 U	2500 U	2500 UJ	2500 UJ
2,4,6-Trichlorophenol	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 UJ	1000 UJ
2,4-Dichlorophenol	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 UJ	1000 UJ
2,4-Dimethylphenol	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 UJ	1000 UJ
2,4-Dinitrophenol	2500 U	250 U	2500 U	250 U	250 U	250 U	2500 U	2500 UJ	2500 UJ
2,4-Dinitrotoluene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
2,6-Dinitrotoluene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
2-Chloronaphthalene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
2-Chlorophenol	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 UJ	1000 UJ
2-Methylnaphthalene	1000 U	100 U	1000 U	100 U	190	100 U	1000 U	1000 U	1000 U
2-Methylphenol	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 UJ	1000 UJ
2-Nitroaniline	2500 U	250 U	2500 U	250 U	250 U	250 U	2500 U	2500 U	2500 U
2-Nitrophenol	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 UJ	1000 UJ
3,3'-Dichlorobenzidine	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 UJ	1000 UJ	1000 U
3-Nitroaniline	2500 U	250 U	2500 U	250 U	250 U	250 U	2500 U	2500 U	2500 U
4,6-Dinitro-2-methylphenol	2500 U	250 U	2500 U	250 U	250 U	250 U	2500 U	2500 UJ	2500 UJ
4-Bromophenyl phenyl ether	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
4-Chloro-3-methylphenol	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 UJ	1000 UJ
4-Chloroaniline	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
4-Chlorophenyl phenyl ether	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
4-Methylphenol	1000 U	100 U	3800	100 U	100 U	100 U	1000 U	1000 UJ	1000 UJ
4-Nitroaniline	2500 U	250 U	2500 U	250 U	250 U	250 U	2500 U	2500 U	2500 U
4-Nitrophenol	2500 U	250 U	2500 U	250 U	250 U	250 U	2500 U	2500 UJ	2500 UJ
Acenaphthene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Acenaphthylene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Acetophenone	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Anthracene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Atrazine	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Benz(a)anthracene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 UJ	1000 UJ	1000 U
Benzaldehyde	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Benzo(a)pyrene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Benzo(b)fluoranthene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Benzo(g,h,i)perylene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Benzo(k)fluoranthene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Bis(2-chloroethoxy)methane	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Bis(2-chloroethyl)ether	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Bis(2-chloroisopropyl)ether	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U

**QUALIFIED DATA SUMMARY TABLES**  
**LABORATORY LOT NO. 0408B38 - Tanks**

PARAMETERS	G107D	G300D	NAOH	OP-4-S	RW-1-S	RW-2-S	SH-1-S	SH-2-S	SH-3-S
Bis(2-ethylhexyl)phthalate	1000 U	100 U	1600	170	100 U	100 U	1000 UJ	1000 UJ	1000 U
Butyl benzyl phthalate	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 UJ	1000 UJ	1000 U
Caprolactam	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
<b>Semivolatile Organic Compounds (Cont.)</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>	<b>ug/L</b>
Carbazole	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Chrysene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 UJ	1000 UJ	1000 U
Dibenz(a,h)anthracene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Dibenzofuran	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Diethyl phthalate	1000 U	100 U	1000 U	320	100 U	100 U	1000 U	1000 U	2100
Dimethyl phthalate	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Di-n-butyl phthalate	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1500	1000 U
Di-n-octyl phthalate	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Fluoranthene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Fluorene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Hexachlorobenzene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Hexachlorobutadiene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Hexachlorocyclopentadiene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Hexachloroethane	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Indeno(1,2,3-cd)pyrene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Isophorone	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Naphthalene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Nitrobenzene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
N-Nitrosodi-n-propylamine	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
N-Nitrosodiphenylamine	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Pentachlorophenol	2500 U	250 U	2500 U	250 U	250 U	250 U	2500 U	2500 UJ	2500 UJ
Phenanthrene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 U	1000 U	1000 U
Phenol	30000 J	170	1000 U	180000 J	11000	770	14000	1000 UJ	40000 J
Pyrene	1000 U	100 U	1000 U	100 U	100 U	100 U	1000 UJ	1000 UJ	1000 U

**Notes:**

J = The associated value is the approximate concentration of the analyte in the sample.

ug/Kg = Micrograms per kilogram

ug/L = Micrograms per liter

mg/Kg = Milligrams per kilogram

mg/L = Milligrams per liter

NA = The analyte was not analyzed for

TB-1 = Trip blank

TCLP = Toxicity characteristic leaching procedure

U = Analyte was analyzed for but not detected at or above the associated value

UJ = Analyte was analyzed for but not detected at or above the associated value, which is estimated

**QUALIFIED DATA SUMMARY TABLES**  
**LABORATORY LOT NO. 0408B38 - Tanks**

PARAMETERS	SH-4-S	SODIUM HYDROXIDE	SS-1-S	SS-2-S	ST-1	SULFURIC ACID	TB-1
<b>TCCLP Metals (mg/L)</b>							
Arsenic	0.250 U	NA	0.250 U	0.250 U	NA	NA	NA
Barium	0.500 U	NA	0.500 U	0.500 U	NA	NA	NA
Cadmium	0.0250 U	NA	0.0250 U	0.0250 U	NA	NA	NA
Chromium	0.0500 U	NA	0.0500 U	0.0500 U	NA	NA	NA
Lead	0.0500 U	NA	0.0500 U	0.0500 U	NA	NA	NA
Selenium	0.100 U	NA	0.100 U	0.100 U	NA	NA	NA
Silver	0.0250 U	NA	0.0250 U	0.0250 U	NA	NA	NA
Mercury	0.00400 U	NA	0.00400 U	0.00400 U	NA	NA	NA
<b>Metals</b>	<b>mg/kg</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/kg</b>	<b>mg/L</b>	<b>mg/L</b>	<b>NA</b>
Aluminum	63	2 UJ	63.7 J	390	268 J	3.2 J	NA
Antimony	1.0000 U	0.2000 U	0.0200 U	0.9778 U	0.2000 U	0.2000 U	NA
Arsenic	1.0000 U	0.5000 U	0.0500 U	0.9778 U	0.5000 U	0.5000 U	NA
Barium	1.2	0.2 UJ	0.281 J	4.8 J	2.4 J	0.2 UJ	NA
Beryllium	0.5000 U	0.1000 U	0.0100 U	0.4889 U	0.1000 U	0.1000 U	NA
Cadmium	0.5000 U	0.0500 U	0.0064	0.4889 U	0.0806	0.0500 U	NA
Calcium	610	2.86 J	503 J	510	480 J	8.49 J	NA
Chromium	0.5000 U	0.1000 U	0.0299	0.4889 U	6.3800	0.9310	NA
Cobalt	0.5000 U	0.2000 U	0.0200 U	0.4889 U	0.2000 U	0.2000 U	NA
Copper	13	0.1 U	1.12	18	14.4	0.1 U	NA
Iron	160	3.58	221	100	2200	20	NA
Lead	14.0000	0.1000 U	0.0100 U	0.9778 U	0.4310	0.1000 U	NA
Magnesium	59	1 U	60.5	18	64.2	2.81	NA
Manganese	7.9	0.05 U	5.76	3.5	29.3	0.23	NA
Nickel	1 U	0.2 U	0.137	0.97784 U	3.43	0.738	NA
Potassium	320.0	113.0	115.0	890.0	76.3	5.0 U	NA
Selenium	1.0000 U	0.2000 U	0.0200 U	0.9778 U	0.2000 U	0.7250	NA
Silver	0.5000 U	0.1000 U	0.0100 U	0.4889 U	0.1000 U	0.1000 U	NA
Sodium	1600	188000	2040	6800	1780	10 U	NA
Thallium	1.0000 U	0.2000 UJ	0.0200 UJ	0.9778 U	0.2000 UJ	0.2000 UJ	NA
Vanadium	1.0000 U	0.1000 U	0.0100 U	1.9000	0.1000 U	0.1000 U	NA
Zinc	2.8 J	0.2 U	9.16	2.3 J	21	0.2 U	NA
Mercury	0.00979 U	0.00218	0.0002 U	0.00982 U	0.00277	0.0057	NA
<b>Volatile Organic Compounds</b>	<b>ug/kg</b>	<b>NA</b>	<b>ug/L</b>	<b>ug/kg</b>	<b>ug/L</b>	<b>NA</b>	<b>ug/kg</b>
1,1,1-Trichloroethane	2500 U	NA	50 U	2500 U	100 U	NA	5 U
1,1,2,2-Tetrachloroethane	2500 U	NA	50 U	2500 U	100 U	NA	5 U
1,1,2-Trichloroethane	2500 U	NA	50 U	2500 U	100 U	NA	5 U
1,1-Dichloroethane	2500 U	NA	50 U	2500 U	100 U	NA	5 U
1,1-Dichloroethene	2500 U	NA	50 U	2500 U	100 U	NA	5 U
1,2,4-Trichlorobenzene	2500 U	NA	50 U	2500 U	100 U	NA	5 U
1,2-Dibromo-3-chloropropane	2500 U	NA	50 U	2500 U	100 U	NA	5 U

**QUALIFIED DATA SUMMARY TABLES**  
**LABORATORY LOT NO. 0408B38 - Tanks**

PARAMETERS	SH-4-S	SODIUM HYDROXIDE	SS-1-S	SS-2-S	ST-1	SULFURIC ACID	TB-1
1,2-Dibromoethane	2500 U	NA	50 U	2500 U	100 U	NA	5 U
<b>Volatile Organic Compounds (Cont.)</b>	<b>ug/kg</b>	<b>NA</b>	<b>ug/L</b>	<b>ug/kg</b>	<b>ug/L</b>	<b>NA</b>	<b>ug/kg</b>
1,2-Dichlorobenzene	2500 U	NA	50 U	2500 U	100 U	NA	5 U
1,2-Dichloroethane	2500 U	NA	50 U	2500 U	100 U	NA	5 U
1,2-Dichloropropane	2500 U	NA	50 U	2500 U	100 U	NA	5 U
1,3-Dichlorobenzene	2500 U	NA	50 U	2500 U	100 U	NA	5 U
1,4-Dichlorobenzene	2500 U	NA	50 U	2500 U	100 U	NA	5 U
2-Butanone	5000 U	NA	140	5000 U	200 U	NA	10 UJ
2-Hexanone	5000 U	NA	100 U	5000 U	200 U	NA	10 UJ
4-Methyl-2-pentanone	5000 U	NA	300	5000 U	200 U	NA	10 U
Acetone	74000	NA	19000	18000	860	NA	20 UJ
Benzene	2600	NA	900	2500 U	2300	NA	5 U
Bromodichloromethane	2500 U	NA	50 U	2500 U	100 U	NA	5 U
Bromoform	2500 U	NA	50 U	2500 U	100 U	NA	5 U
Bromomethane	2500 U	NA	50 U	2500 U	100 U	NA	5 U
Carbon disulfide	5000 U	NA	110	5000 U	850	NA	5 U
Carbon tetrachloride	2500 U	NA	50 U	2500 U	100 U	NA	5 U
Chlorobenzene	2500 U	NA	50 U	2500 U	100 U	NA	5 U
Chloroethane	5000 U	NA	100 U	5000 U	200 U	NA	10 U
Chloroform	2500 U	NA	50 U	2500 U	100 U	NA	5 U
Chloromethane	5000 U	NA	100 U	5000 U	200 U	NA	10 U
cis-1,2-Dichloroethene	2500 U	NA	50 U	2500 U	100 U	NA	5 U
cis-1,3-Dichloropropene	2500 U	NA	50 U	2500 U	100 U	NA	5 U
Cyclohexane	2500 U	NA	50 U	2500 U	100 U	NA	5 U
Dibromochloromethane	2500 U	NA	50 U	2500 U	100 U	NA	5 U
Dichlorodifluoromethane	5000 U	NA	100 U	5000 U	200 U	NA	10 UJ
Ethylbenzene	2500 U	NA	50 U	2500 U	100 U	NA	5 U
Freon-113	5000 U	NA	100 U	5000 U	200 U	NA	10 U
Isopropylbenzene	2500 U	NA	50 U	2500 U	100 U	NA	5 U
m,p-Xylene	5000 U	NA	100 U	5000 U	200 U	NA	10 U
Methyl acetate	2500 U	NA	50 U	2500 U	100 U	NA	5 UJ
Methyl tert-butyl ether	2500 U	NA	50 U	2500 U	100 U	NA	5 U
Methylcyclohexane	2500 U	NA	50 U	2500 U	100 U	NA	5 U
Methylene chloride	2500 UJ	NA	50 UJ	2500 UJ	100 UJ	NA	5 U
o-Xylene	2500 U	NA	50 U	2500 U	100 U	NA	5 U
Styrene	2500 U	NA	50 U	2500 U	100 U	NA	5 U
Tetrachloroethene	2500 U	NA	50 U	2500 U	100 U	NA	5 U
Toluene	2500 U	NA	50 U	2500 U	100 U	NA	5 U
trans-1,2-Dichloroethene	2500 U	NA	50 U	2500 U	100 U	NA	5 U
trans-1,3-Dichloropropene	2500 U	NA	50 U	2500 U	100 U	NA	5 U
Trichloroethene	2500 U	NA	50 U	2500 U	100 U	NA	5 U

**QUALIFIED DATA SUMMARY TABLES**  
**LABORATORY LOT NO. 0408B38 - Tanks**

PARAMETERS	SH-4-S	SODIUM HYDROXIDE	SS-1-S	SS-2-S	ST-1	SULFURIC ACID	TB-1
Trichlorofluoromethane	2500 U	NA	50 U	2500 U	100 U	NA	5 U
Vinyl chloride	5000 U	NA	20 U	5000 U	40 U	NA	5 U
<b>Semivolatile Organic Compounds</b>	<b>mg/kg</b>	<b>ug/L</b>	<b>ug/L</b>	<b>mg/kg</b>	<b>ug/L</b>	<b>ug/L</b>	<b>NA</b>
1,1'-Biphenyl	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
2,4,5-Trichlorophenol	470 U	2500 U	2500 U	490 U	2500 U	2500 U	NA
2,4,6-Trichlorophenol	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
2,4-Dichlorophenol	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
2,4-Dimethylphenol	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
2,4-Dinitrophenol	470 U	2500 U	2500 U	490 U	2500 U	2500 U	NA
2,4-Dinitrotoluene	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
2,6-Dinitrotoluene	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
2-Chloronaphthalene	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
2-Chlorophenol	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
2-Methylnaphthalene	93 U	1000 U	1000 U	440	2000	1000 U	NA
2-Methylphenol	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
2-Nitroaniline	470 U	2500 U	2500 U	490 U	2500 U	2500 U	NA
2-Nitrophenol	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
3,3'-Dichlorobenzidine	630 U	1000 U	1000 U	650 U	1000 U	1000 U	NA
3-Nitroaniline	470 U	2500 U	2500 U	490 U	2500 U	2500 U	NA
4,6-Dinitro-2-methylphenol	470 U	2500 U	2500 U	490 U	2500 U	2500 U	NA
4-Bromophenyl phenyl ether	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
4-Chloro-3-methylphenol	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
4-Chloroaniline	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
4-Chlorophenyl phenyl ether	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
4-Methylphenol	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
4-Nitroaniline	470 U	2500 U	2500 U	490 U	2500 U	2500 U	NA
4-Nitrophenol	470 U	2500 U	2500 U	490 U	2500 U	2500 U	NA
Acenaphthene	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Acenaphthylene	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Acetophenone	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Anthracene	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Atrazine	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Benz(a)anthracene	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Benzaldehyde	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Benzo(a)pyrene	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Benzo(b)fluoranthene	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Benzo(g,h,i)perylene	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Benzo(k)fluoranthene	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Bis(2-chloroethoxy)methane	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Bis(2-chloroethyl)ether	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Bis(2-chloroisopropyl)ether	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA

**QUALIFIED DATA SUMMARY TABLES**  
**LABORATORY LOT NO. 0408B38 - Tanks**

PARAMETERS	SH-4-S	SODIUM HYDROXIDE	SS-1-S	SS-2-S	ST-1	SULFURIC ACID	TB-1
Bis(2-ethylhexyl)phthalate	93 U	1000 U	1000 UJ	97.0874 U	1000 U	1100	NA
Butyl benzyl phthalate	93 U	1000 U	1000 UJ	97.0874 U	1000 U	1000 U	NA
Caprolactam	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
<b>Semivolatile Organic Compounds (Cont.)</b>	<b>mg/kg</b>	<b>ug/L</b>	<b>ug/L</b>	<b>mg/kg</b>	<b>ug/L</b>	<b>ug/L</b>	<b>NA</b>
Carbazole	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Chrysene	93 U	1000 U	1000 UJ	97.0874 U	1000 U	1000 U	NA
Dibenz(a,h)anthracene	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Dibenzofuran	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Diethyl phthalate	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Dimethyl phthalate	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Di-n-butyl phthalate	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Di-n-octyl phthalate	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Fluoranthene	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Fluorene	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Hexachlorobenzene	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Hexachlorobutadiene	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Hexachlorocyclopentadiene	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Hexachloroethane	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Indeno(1,2,3-cd)pyrene	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Isophorone	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Naphthalene	93 U	1000 U	1000 U	170	1000 U	1000 U	NA
Nitrobenzene	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
N-Nitrosodi-n-propylamine	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
N-Nitrosodiphenylamine	93 U	1000 U	1000 U	97.0874 U	1000 U	1000 U	NA
Pentachlorophenol	470 U	2500 U	2500 U	490 U	2500 U	2500 U	NA
Phenanthrene	93 U	1000 U	1000 U	140	1000 U	1000 U	NA
Phenol	93 U	1000 U	18000	97.0874 U	1000 U	1000 U	NA
Pyrene	93 U	1000 U	1000 UJ	97.0874 U	1000 U	1000 U	NA

**Notes:**

J = The associated value is the approximate concentration of the analyte in the sample.

ug/Kg = Micrograms per kilogram

ug/L = Micrograms per liter

mg/Kg = Milligrams per kilogram

mg/L = Milligrams per liter

NA = The analyte was not analyzed for

TB-1 = Trip blank

TCLP = Toxicity characteristic leaching procedure

U = Analyte was analyzed for but not detected at or above the associated value

UJ = Analyte was analyzed for but not detected at or above the associated value, which is estimated