

**Envirite Corp.**  
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**UST Removals**

RCRA RECORDS CENTER  
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**This is a series of work plans and correspondence which together constitute the removal / reporting of two USTs which were conducted as Interim Measures in the Fall of 1996.**

This set of documents include:

- July 29, 1996 U.S. EPA Approval Letter;
- July 12, 1996 UST Removal Workplan (original);
- August 28, 1996 Supplemental Information;
- September 5, 1996 UST Removal Workplan (revised);
- November 6, 1996 Parameter List Amendment
- November 8, 1996 RFI Status Report including UST Removal reporting; and
- December 9, 1996 RFI Status Report including addn. UST Removal reporting.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION I  
JOHN F. KENNEDY FEDERAL BUILDING  
BOSTON, MASSACHUSETTS 02203-0001

July 29, 1996

Mr. William R. McTigue, Jr.  
Director, Environmental Affairs  
Envirite Corporation  
620 West Germantown Pike  
Plymouth Meeting, PA 19462

Re: Approval of UST Removal Workplan  
Envirite Facility  
Thomaston, CT  
RCRA Docket No. I-90-1032

Dear Mr. McTigue:

The United States Environmental Protection Agency (EPA) hereby approves your workplan for the removal of the two (2) underground storage tanks (UST), entitled Workplan: Excavation and Removal of Underground Spill Containment Tanks (UST workplan), Envirite Corporation, Thomaston, Connecticut, dated July 1996.

The removal of the USTs are to be conducted as Phase II interim measures (IM) as set forth in EPA's April 25, 1996 final comments (final comments) regarding your RCRA Facility Investigation Phase I Interim Report and Phase II Proposal (Phase I Interim RFI Report).

As set forth in your UST workplan, Envirite shall notify EPA at least one week in advance of the commencement of activities associated with these UST removals. With receipt of this letter, Envirite shall submit brief monthly progress reports to EPA pursuant to Section I(E)(2) of Attachment IV of the Consent Order which shall set forth the status of any and all activities associated with your Consent Order.

If you have any questions with respect to this approval, please contact Raphael J. Cody at 617/573-5769.

Sincerely,

A handwritten signature in black ink, appearing to read "Matthew R. Hoagland".

Matthew R. Hoagland  
Chief, Corrective Action  
Office of Site Remediation and Restoration

cc: Joshua Secunda, EPA  
Thomas J. Mueller, P.E., for the Town of Thomaston



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# ENVIRITE CORPORATION

TECHNOLOGY FOR THE ENVIRONMENT

July 12, 1996

Mr. Raphael J. Cody  
Corrective Action Section  
U.S. EPA, Region I  
J.F.K. Federal Building, HPR-CAN 1  
Boston, MA 02203

**Re: UST Removal Workplan; Corrections; Envirite Corporation RCRA Docket I-90-1032**

Dear Mr. Cody:

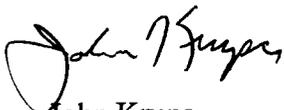
On July 11, 1996 Envirite submitted for your review and approval a workplan for the Interim Measure of removal of two underground storage tanks. Upon further review by Envirite, various typographical and stylistic errors were discovered, as well as one substantive error regarding Section IV, D.4., paragraph 2 of the Sampling Plan. The last sentence in the paragraph had read, "If soil staining is evident, then the stained area will be proportionately represented in the sample."

This procedure is contrary to the general procedure specified earlier in the Sampling Plan and, therefore, the sentence has been revised to read, "Soils showing evidence of contamination will not be a part of this sampling universe; they will be managed as described in footnote 4 above." (Footnote 4 requires such soil to be segregated in a container destined for off-site disposal).

The typographical and stylistic amendments are all relatively minor in nature and are not spelled out here, but have been amended appropriately in the document.

I apologize for any inconvenience this re-submission may have imposed, but I felt it best to submit a revised copy to you immediately. If you have any questions regarding this correspondence, please contact Bill McTigue or me. Thank you again for your attention to this matter.

Sincerely,



John Krupa  
Compliance Specialist

cc: W.R. McTigue, C. Brammer

**Workplan**

**Excavation and Removal of  
Underground Spill Containment Tanks**

Envirite Corporation  
Thomaston, Connecticut

**Docket No. I-90-1032**  
**July, 1996**

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**Envirite Corporation**  
Thomaston, Connecticut

RCRA Facility Investigation, Docket No. I-90-1032

**Statement of Work for Removal of USTs**

**PREFACE**

This Statement of Work (work plan) sets forth the objectives and other relevant details concerning the removal of two underground storage tanks (USTs) from Envirite's site located in Thomaston CT. The site is the subject of a RCRA corrective action, as explained in EPA's November 13, 1990 correspondence addressed to Envirite. The letter includes as an attachment a Consent Order between EPA and Envirite, which was fully executed on November 8, 1990. A requirement of the Consent Order is that Envirite prepare an RFI Phase I Interim Report.

In its letter to Envirite dated April 25, 1996 EPA provides final comments regarding Envirite's RFI Phase I Interim Report (RFI Interim Report). In this letter EPA sets forth a schedule of activities that must next be completed. One set of these scheduled activities is described as Interim Measures (IM) involving the removal of two obsolete underground storage tanks.

Consistent with the schedule and comments in EPA's April 25, 1996 letter, this work plan describes the methods that Envirite will implement to assure that the tank removal activities achieve the IM objectives.

## **I. OBJECTIVES**

This workplan's objectives are as follows:

- to excavate and remove two USTs;
- to collect representative samples of the USTs' contents and surrounding soils;
- to provide for chemical constituent analysis of such samples;
- to compare analytical results to applicable federal and state cleanup standards and, if appropriate, waste disposal regulations; and
- to assure that all materials relating to the excavations are managed in conformance with federal and state cleanup standards and, if appropriate, applicable waste disposal requirements.

## **II. ADMINISTRATIVE NOTES**

The tank removals will be conducted as Phase II work activities as described in the Consent Order, due to their investigatory nature and their potential impact on completion of the final Public Health and Environmental Risk Evaluation (PHERE). Information obtained from the tank removal operations will be summarized in the "Interim Measures" section of the supplement to the RFI Phase I Interim Report. All information concerning the removal activities will conform with the administrative and specific data requirements of the Consent Order.

Each tank is considered a separate Area of Concern (AOC). Since the tanks' removal requires independent excavations, each AOC will be deemed a separate Interim Measure (IM).

The Consent Order specifies that each IM requires its own performance and reporting standards. As indicated in the Agency's April 25, 1996 final comments, each IM can be addressed within a single IM section of the RFI Supplement. The specific performance standards for each IM address tank removal, sampling and analysis of soils and tank contents, comparison of analytical data to applicable cleanup and/or waste disposal requirements, and appropriate disposition of all excavated materials.

### **III. CHARACTERIZATION OF THE UST SETTING**

The two underground tanks were installed when the processing building was constructed in 1975. They flank the east and west perimeters of the processing building's unloading area, which is adjacent to the building's south wall. The UST locations are depicted on Figure 1 and Figure 2 of this work plan.

The purpose of the tanks was to supplement the spill collection capacity of the unloading area, which was used for receiving cargo tanks containing hazardous waste. These USTs were installed for the purpose of collecting liquid from any chemical spillage and precipitation that contacted the pads. The tanks were not used to store any type of product.

Each tank is constructed of fiberglass reinforced plastic (FRP). It is estimated that each tank's diameter is six feet and its height is five feet, yielding a capacity of approximately one-thousand and fifty gallons.<sup>1</sup> The tanks' tops are approximately five feet below grade. It is believed that each tank is vertically placed, which means that each tank bottom is approximately ten feet below grade.

Each tank received precipitation in the form of stormwater from the designated unloading area. These unloading areas are comprised of eight-inch thick concrete, coated with an impervious, chemical resistant coating. The surface of the two unloading areas was pitched toward the center and drained into a 4-inch, schedule 40 PVC pipe which traversed beneath the unloading area and entered a "T" connection mounted in the UST's top. The liquid flowed through the pipe and into the tank by gravity. The alkaline pad was piped to the east UST, while the acid pad was piped to the west UST. Reportedly, liquid from each UST was evacuated regularly by facility personnel. A pipe was connected to the other end of the "T" connection in the tank's top. It extended southward approximately fifty feet underground and emptied into a dry well. (See section 8.1.3, Table 9-7 and Table 9-8 in Volume I of the RFI Interim Report for a summary of the investigatory findings relating to the dry well that served each tank.)

Each tank is in an unpaved area that is approximately twenty-three feet long and ten feet wide. The tank areas begin near the middle of the unloading area's fifty foot side line and extend approximately twenty-three feet southward (i.e., away from the building). The area surrounding each UST is paved with either asphalt or concrete. The unloading area extends southward fifty feet beyond the processing building's south wall and is approximately 80 feet wide.

The bottom wall (or floor) of each tank installation is native soil and is relatively close to groundwater. Measurements taken at MW-51D during the months of April, October, and December, 1994 indicate a depth-to-groundwater range of 15.35 to 16.14 feet, as reported in the RFI Interim Report. Measurements of MW-51D taken during the previous year indicate groundwater depth within a range of fourteen to twenty feet. The entry to MW-51D is at approximately the same elevation (within one foot or so) of the top of each UST area. This information indicates that each tank's bottom could be as close as three to four feet above groundwater.

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<sup>1</sup> Volume I, Section 8.1.2 of Enviro's RFI Interim Report dated March, 1995 estimates each tank's volume to be approximately 500 gallons. In preparing this workplan Enviro has discovered a sketch indicating that each tank's volume is approximately 1,050 gallons.

Around 1980 part of the unloading area was reconstructed to cause liquid to flow toward the processing building. During construction, part of the pad was demolished, and the exposed portion of each UST's inlet pipe was crushed in place. Pipes connecting the unloading area to the processing building's secondary containment systems were installed. The area was re-paved with concrete. Concurrently, remaining liquid in each UST was removed.

In 1990, after the facility stopped receiving waste from off-site, the depressed areas of the acid and alkaline pads were backfilled and then capped with asphalt paving to prevent stormwater from draining toward and into the building; hence, the unloading area was made level.

In 1994, the paving and fill material were removed from the acid unloading pad to restore the pad as a sump. An acid-resistant coating was then applied to it. The acid pad once again drains into a secondary containment system inside the processing building. The alkaline pad remains paved and level.

Prior to the RFI Interim Report there was some uncertainty as to the exact orientation of the tanks. Therefore, a back-hoe was used during the RFI Phase I sampling program to excavate the east UST area. Excavation at the east tank revealed that, at some time in the past, the tank had been crushed in place, and that the excavation had been back-filled with soil. The west tank appears to have been filled with sand and left in place. Adjacent soils are sand-like in consistency with gravel dispersed throughout. Soils near the bottom of the tanks are of a denser consistency.

There are no underground or above ground utilities or appurtenances in the immediate vicinity of the USTs, nor are there any groundwater monitoring wells or power lines in the immediate area of the proposed excavations.

On May 10, 1996 Envirite sold the portion of the site on which the USTs, processing building and all surrounding paved areas are located. This portion of the site — a total of one and nine-tenths acres — was purchased by Pure-Etch Company of Connecticut. According to the sale agreement, Pure-Etch is required to provide reasonable access to allow implementation of activities initiated in response to the Consent Order.

FIGURE 1

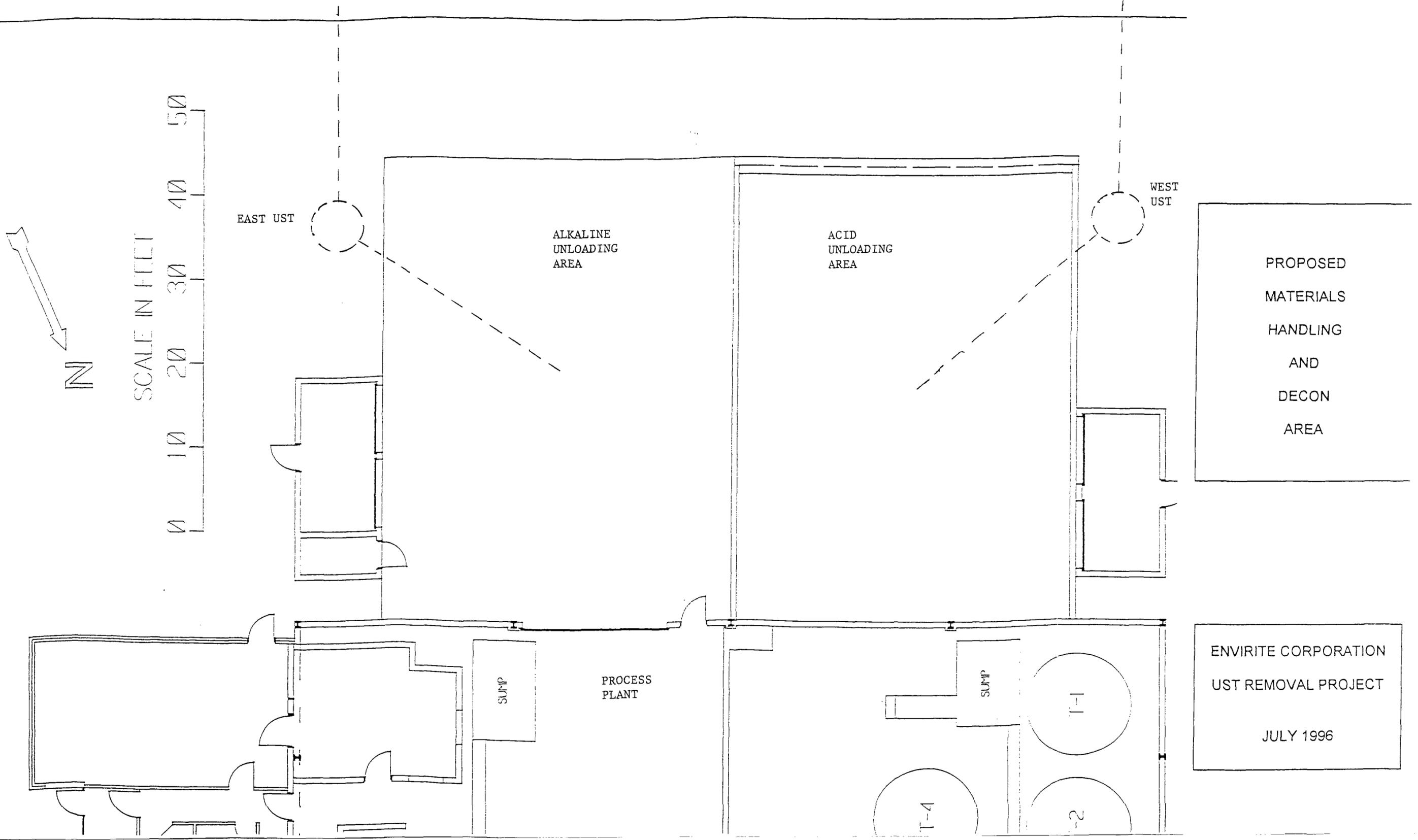
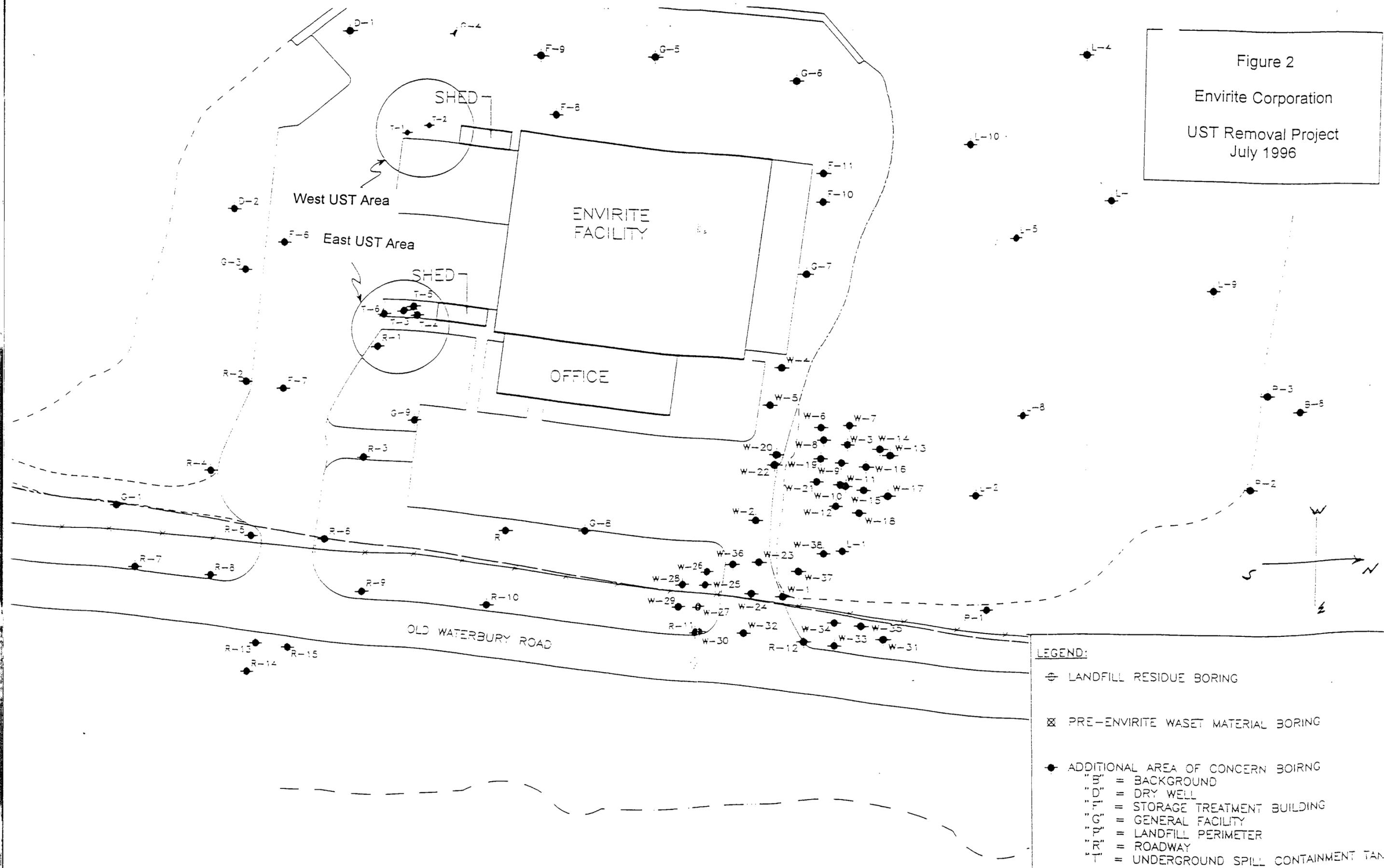


Figure 2  
 Envirite Corporation  
 UST Removal Project  
 July 1996



LEGEND:

- ⊕ LANDFILL RESIDUE BORING
- ⊗ PRE-ENVIRITE WASET MATERIAL BORING
- ADDITIONAL AREA OF CONCERN BORING
- "m" = BACKGROUND
- "D" = DRY WELL
- "S.T.B." = STORAGE TREATMENT BUILDING
- "G.F." = GENERAL FACILITY
- "L.P." = LANDFILL PERIMETER
- "R." = ROADWAY
- "U.S.C.T." = UNDERGROUND SPILL CONTAINMENT TANK

#### IV. SAMPLING PLAN

This sampling plan is applicable to each UST. It identifies the general locations for sample collection, and it describes the approach for determining whether individual or composite samples are to be submitted to the laboratory for analysis.<sup>2</sup>

Observations and analytical data generated from past sampling events and also visual observation of the tanks and vicinal soils during the prospective tank removal activities are both important factors in this plan's implementation. The extent of any soil contamination in each tank may be largely dependent upon these four factors: 1) tank's contents; 2) physical condition of tank and appurtenances; 3) proximity of soils to tank's exterior surfaces; and 4) types of soils and extent of soil stratification in each area. These factors will be considered when collecting samples. Accordingly, field personnel will maintain detailed notes, particularly concerning soil appearance, tank integrity, and other relevant observations which may yield information as to potential soil contamination.

Soil samples will be collected, and sampling devices will be decontaminated, in conformance with sampling protocols specified in chapters 9 and 10 of EPA Publication SW-846, third edition ("Test Methods for Evaluating Solid Waste, Physical/Chemical Methods").

##### A. Results of Previous Sampling Activities

As shown below, six soil samples were previously collected and analyzed from the two AOCs during Phase I RFI activities.

<b>Sample Date</b>	<b>Sample Location</b>
Nov. 16, 1994	T-3 (east tank)
Nov. 16, 1994	T-4 (east tank)
Feb. 8, 1995	T-1 (west tank)
Feb. 8, 1995	T-2 (west tank)
Feb. 8, 1995	T-5 (east tank)
Feb. 8, 1995	T-6 (east tank)

The primary purpose of these sampling events was to investigate and quantify constituents in the soils surrounding the USTs. Other than providing general background, the analytical results obtained from the sampling may be used in development of a project management plan for excavated tank soils as described in Section IV and VII of this workplan.

Copies of laboratory summaries and boring logs relating to the collection and analysis of samples T-1 through T-6 are provided in Appendix A of this workplan.

<sup>2</sup> As stated in Section II of this plan, each tank is considered a separate AOC and a distinct and separate IM. Therefore, samples collected from the east tank area will not be combined with samples collected from west tank area, and vice versa.

#### **IV. SAMPLING PLAN (cont'd)**

##### **B. Site-Specific Parameter List and Clean-Up Options**

Analysis of the samples collected during Phase I investigation activities targeted a specific set of parameters, generally referenced as the "site-specific parameter list." The list is comprised of 132 compounds and is attached to this workplan as Table 1 of Appendix B. A more detailed explanation as to the derivation of the table is provided at the beginning of Appendix B. Table 1 also includes the clean-up standards that will be used in evaluating the disposition of the excavated soils. These clean-up standards will be to meet the State of Connecticut GB Mobility Criteria for Soils **and** the U.S.EPA Risk-Based Concentration Table - July - December, 1995.<sup>3</sup>

Some, but not all, samples that will be collected during the IM will be analyzed to determine the presence of any parameters identified on the site-specific parameter list. Analytical results for these samples will be compared to applicable cleanup standards. Also included in Appendix B is Table 2 which lists additional TC compounds (not included in Table 1) that will be analyzed, as necessary, for the purpose of waste characterization.

Under this statement of work Envirite does not plan to remove soils at a depth greater than thirteen feet below grade, unless visual observations and field screening techniques indicate the presence of additional contaminants. If Envirite suspects additional contamination, it will determine the efficacy of removing additional soil at that time. Also, Envirite does not intend to remove concrete or asphalt paving in the area surrounding the tanks. The foregoing widths and depths will be projected using best engineering judgment where there is evidence that a portion of a tank has deteriorated or collapsed.

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<sup>3</sup> For federal cleanup standards: "Risk-Based Concentration Table — July-December 1995" dated October 20, 1995 and written by Roy L. Smith, Ph.D., Office of RCRA, Technical & Program Support Branch, U.S. Environmental Protection Agency, Region III. For state cleanup standards: GB Soil Mobility Criteria as codified in The Regulations of Connecticut State Agencies, section 22a-133k-1. For materials that must be disposed off-site, Envirite will comply with all applicable federal, and state regulations.

#### **IV. SAMPLING PLAN (cont'd.)**

##### **C. Conditions Applicable to All Samples**

This work plan requires that soil from various locations around the tank is sampled and that samples are collected from the tanks themselves. The following conditions apply to every sample that is collected in the field:

- Samples collected from one AOC will not be combined with samples taken from any other AOC.
- Samples shall be of such a mass or volume as to provide the laboratory with adequate sample for all required analyses and for archival purposes.
- Samples will be collected using a suitable device in a manner that takes into account environmental factors such as drying from exposure to sun and wind, etc.
- Samples will be screened in the field using a portable photoionization detector (PID) or flame ionization detector (FID). Sample results will be recorded in the field operative's notes.
- PID or FID field screening results will be noted on the chain of custody document that will accompany the sample containers to the lab.
- Samples submitted to the laboratory will be accompanied by notes indicating either the apparent absence or presence and extent of staining of the soil from which the sample was collected. The sample's color, physical state, and/or other descriptive features will be noted too.
- Material collected from each sampling location will be packaged in two separate containers: a two-hundred-and-fifty milliliter jar; and a one-hundred-and-twenty-five milliliter VOC jar. Sample material contained in the larger jar will be analyzed for site-specific parameters other than VOCs and/or the four hazardous waste characteristics other than VOCs. Samples from the VOC jar will be analyzed for VOCs. Upon receiving samples the lab will immediately prepare a composite sample, where applicable, from material in the 250 ml jar. This sample will be analyzed for all site-specific parameters other than VOCs and/or the four hazardous waste characteristics, including all constituents identified at 40 CFI 261.24 as being associated with the toxicity characteristic (TC).
- When filled, all containers will be labeled, packed in a cooler, and maintained at a temperature of approximately four degrees Celsius in accordance with standard laboratory and sampling practices.
- Upon receiving samples the lab will store the VOC jars in a refrigerator. Immediately before running the VOC analysis, the lab will when applicable, prepare a composite sample.
- Sampling will not be conducted prior to excavation for purposes of management of excavated soils as set forth in this workplan. This workplan establishes finite and discrete soil areas or "soil universes" in accordance with this managerial objective. Therefore, in accordance with the management of discrete "soil universes," a representative sample of any given soil universe for purposes of sampling will be based upon engineering estimates of the volume of soil removed from any "soil universe" with the exception of any soil which clearly exhibits contamination.

#### **IV. SAMPLING PLAN (cont'd.)**

##### **D. 1. Sampling of Soil Between Grade and the Top of the Tank ( 0 - 5 fbg)**

Each tank's top is estimated to be approximately five feet below grade (fbg). Accordingly, this section of the sampling plan separately addresses the soil between grade and approximately 5 fbg.<sup>4</sup>

Because it is unlikely that the soils above the tank could be impacted by any amount of tank leakage that may have occurred, and since Envirite believes it to be prudent and reasonable to consider using these soils to backfill the excavation where possible, soils between grade and 5 fbg will be sampled separately from other soils in the excavation area. Furthermore, should it be necessary to ship this material off site, this soil layer would fill one highway transport vehicle. Therefore, for managerial purposes, this portion of soil is considered a discrete sampling universe.

Assuming that each excavation opening will be at least ten feet square, approximately eighteen cubic yards of material will be removed before a tank's top is exposed. A total of eight representative samples will be collected from the excavated soil. Each sample will be collected to assure that it represents the sampling universe. Thus, Envirite anticipates one sample will be collected for approximately every two and one-third cubic yards of soil removed from this portion of the AOC. Therefore, it is anticipated that there will be sixteen containers for this sampling universe — that is, sixteen containers relating to the east tank and sixteen containers representing the west tank — will be submitted to the laboratory.

To assure that the soil is properly represented, sampling will not be conducted prior to excavation. Instead, during the course of the excavation, the excavation contractor will observe the soil for any trait indicating potential contamination. If the excavating contractor or field personnel detects staining or some other soil contamination, then he shall assure that these soils are appropriately represented.

##### **D.2. Sampling of Soil Surrounding the Tank (5 fbg and Below 5 fbg)**

This section addresses the soil surrounding the tank's surface area. Because soils touch the surface of the tank, this soil will be sampled as a discrete sampling universe.

Excluding the volume occupied by the tank (approximately five cubic yards) and, assuming that a ten-foot square opening is maintained from the tank's top to thirteen fbg, the volume of soil in this sampling universe is approximately twenty-four cubic yards. Notably, soils showing evidence of contamination will not be a part of this universe; they will be managed as provided in footnote 4 below.

Unlike the soil above the tank, the soil in this part of the excavation is presumably more susceptible to being affected by a breach of the tank and its appurtenances. Therefore, field personnel will be instructed to carefully observe for conditions suggesting potential soil contamination. Soils showing no evidence of contamination must be sampled in a representative manner similar to the approach described in subsections C and D.1 of this workplan.

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<sup>4</sup> Soils that are visually impacted will be segregated for shipment off site. Contents of shipping containers will be appropriately sampled and analyzed.

#### **IV. SAMPLING PLAN (cont'd.)**

The diameter of the tank is approximately six feet, and each tank's height is approximately five feet. Each tank bottom may be as close as four feet above groundwater. Therefore, removal of soil from each tank area will be limited to a depth of thirteen feet to avoid direct contact with groundwater, unless visual observations and field screening techniques indicate the presence of contaminants below thirteen feet. If contamination is suspected or observed below thirteen feet, Envirite will determine if additional soil removal is efficacious.

##### **D.3. Soil from Excavation's Sidewalls**

In each AOC (excavation) four sidewall samples will be collected. The purpose of sampling this soil is to evaluate the effectiveness of the IM in the targeted AOC and to assess the extent of possible soil contamination in the excavation's north, east, south, and west sidewalls.

As explained here, this workplan describes a sampling approach that differs slightly from the method described in section 10.2 of the RFI Interim Report. The Interim Report states that the sidewall sample locations will be along the tank's centerline. Envirite believes that visually observable soil staining in a given sidewall is the key criterion for selecting each sidewall sample. Absent visual staining, each sidewall sample will be collected along the tank's centerline, as described in section 10.2 of the Interim Report.

Each sidewall sample will be collected in such a manner as to represent possible soil contaminant concentrations. Envirite will decide at the time of excavation the appropriate lateral penetration of each sidewall sampling location. Envirite will base its decision upon the degree of soil staining in the targeted area.

For example, if there is no apparent staining, then a surficial sample along the tank's centerline will be collected. In such a case, soil will be scraped from the sidewall's surface, making reasonable efforts to not scrape soil beyond a one-inch depth, thus preventing possible dilution of contaminants by collecting too much soil. On the other hand, if soil staining exists, then Envirite will visually determine the depth of such staining and will collect a sample extending to the stain's full depth.

In a case where soil staining on a sidewall is noted, the lab will produce analytical results pertaining to that particular sidewall. Samples which represent sidewalls exhibiting no obvious contamination will be composited. The laboratory will produce one data set for a composite sample.

##### **D. 4. Soil from the Bottom of the Excavation**

Two samples will be collected from the bottom of each tank excavation area after any apparently contaminated soil is removed from the excavation's bottom. Visual soil staining — if it exists — will be the primary criterion for selecting sample locations for each of the two samples collected from the excavation's bottom. With respect to determining sample depths, the same rationale described above for sidewall sampling applies to sampling the bottom of the excavation.

If there is no observable staining or other evidence that may suggest contamination, then soil will be collected from the entire area on which the tank bottom rested. When sampling a non-stained area,

#### **IV. SAMPLING PLAN (cont'd.)**

reasonable efforts will be made to assure that not more than one-inch of soil is scraped. Soils showing evidence of contamination will not be a part of this sampling universe; they will be managed as described in footnote 4 above.

##### **D. 5. USTs' Contents**

Any free-liquid within each tank will be collected, and a sample will be drawn from this liquid. A liquid sample collected from one tank shall not be combined with a liquid sample taken from another tank.

Similarly, non-liquid material (including sludge) will be collected from each tank. Commingling of east tank and west tank samples is prohibited. However, based on its judgment based on observations during field operations, Envirite may choose to combine a liquid sample(s) and non-liquid sample(s) taken from the same tank.

## V. PURPOSE OF SAMPLING AND DATA QUALITY OBJECTIVES

The purpose of sampling will be to evaluate whether excavated and remaining soils exceed cleanup levels. If analytical results indicate that a cleanup level for any parameter has been exceeded, or should Envirite determine that the subject material will not be otherwise eligible for return to the excavation, then each respective sample will be analyzed to determine whether the soils exhibit any of the four hazardous waste characteristics per 40 CFR 261, Subpart C. Detection limits will be predicated on the ability to detect concentrations at the more stringent of either a state or federal clean-up standard as specified in Table 1, Appendix B of this work plan. Analytical methods will be selected based on the ability to achieve these detection limits. Methods 8260 and 8081 of EPA publication SW-846, third edition have been identified as the methods of choice for VOC analysis. Quality assurance samples will consist of one trip blank, one field blank, and one duplicate sample from the sample total.

EAS Laboratories of Watertown, CT will most likely perform the analytical work. EAS is State of Connecticut certified and employs QA/QC protocols necessary to produce data of sufficient quality. The EAS quality assurance manuals are available for review upon request. Sampling will be conducted by the qualified remediation contractor in accordance with the procedures detailed in the sampling plan at Section IV.

Note: In evaluating whether soils from the excavation exhibit the Toxicity Characteristic, Envirite will divide each total constituent concentration by 20 and then compare the resulting maximum theoretical leachate concentration to the appropriate regulatory limit "The dilution factor of 20 reflects the liquid to solid ratio employed in the extraction procedure."<sup>5</sup> Envirite will use this approach in the interest of both expediting decisions in the field concerning the disposition of excavated materials and eliminating unnecessary analytical costs.

### A. Analysis of Soil Samples from Between Grade and the Top of the Tank (0-5 fbg)

Samples from this strata will be analyzed to determine whether any constituents from the Table 1 site-specific parameter list exceed a threshold level. In the event that constituents of concern are found to exceed the target cleanup levels, samples will be analyzed to determine whether the soils exhibit any of the four hazardous waste characteristics per 40 CFR 261, Subpart C. Envirite may choose to perform the hazardous waste characterization tests concurrently with analysis for the site specific parameters shown in the Table 1 of this plan.

### B. Analysis of Samples of Soil Surrounding the Tank (5 fbg and Below 5 fbg)

As stated in the Sampling Plan, the extent of laboratory analysis of these samples will be dependent upon the integrity of the UST in the excavation area. The laboratory will consult the chains of custody and field notes to determine the extent to which the samples will be analyzed per the site-specific parameter list, or simply for hazardous waste characterization.

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<sup>5</sup> This approach is described in a memo dated January 12, 1993 from Gail Hansen, Chief of Methods Section (OS-331), US EPA Headquarters. It is also explained in the RCRA/Superfund/OUST Monthly Hotline Report of January, 1994 and is referenced by EPA Report Number EPA/530-R-94-005A.

## **V. PURPOSE OF SAMPLING AND DATA QUALITY OBJECTIVES, Cont'd**

### **C. Soil from Excavation's Sidewalls**

Samples will be accompanied by documentation indicating any presence or extent of soil staining. In a case where soil staining on a sidewall is noted, the lab will produce analytical results pertaining to that particular sidewall. Samples which represent sidewalls exhibiting no obvious contamination will be composited. The laboratory will produce one data set for a composite sample. Sidewall samples will be analyzed for the site specific parameters only, barring evidence of staining; then a TCPL analysis will be run to evaluate off-site disposition.

### **D. Soil From the Bottom of the Excavation**

The same approach described for sidewall sampling will apply to bottom wall sampling. A total of four containers per UST will be submitted to the laboratory for analysis of the site-specific parameters.

### **E. USTs' Contents Samples**

Any free-liquid within each tank will be collected, and a sample will be drawn from this composite using an appropriate sampling device used for containerized liquid wastes (COLIWASA) in accordance with EPA Publication SW-846, third edition. Samples will be submitted to the laboratory for waste characterization.

Any sample of material which is removed from the inside of each tank after removal of free liquid will be analyzed for the purpose of hazardous waste characterization.

## **VI. TARGET CLEANUP LEVELS**

Soils will be removed up to the point at which analytical results indicate that contaminant concentrations no longer exceed the appropriate action levels. These action levels are the State of Connecticut DEP GB Pollutant Mobility Criteria for soil and the U.S. EPA Risk Based Concentration Table, July - December, 1995.

## **VII. MANAGEMENT OF CONTAMINATED SOILS AND MATERIALS**

As indicated below, excavated materials from various sources will be accumulated in separate stockpiles. Envirite may, however, combine any and all materials into a single transport vehicle to be shipped off site.

### **A. Soils Between Grade and the Top of the Tank (0 - 5 fbg)**

If this portion of soil meets the applicable cleanup standards, then it will be returned to the excavation area. If it does not meet cleanup standards, then it will be disposed off site. This material will be sent to a RCRA hazardous waste treatment, storage, or disposal facility (TSDF) if it exhibits a hazardous waste characteristic. Envirite will notify the receiving TSDF of all applicable land disposal restrictions. If the waste is not RCRA hazardous, then it will be shipped to a RCRA subtitle D landfill.

### **B. Soils Surrounding the Tank (5 fbg and Below 5 fbg)**

If this portion of soil meets applicable cleanup standards, then it will be returned to the excavation area. If it does not meet cleanup standards, then it will be disposed off-site. This material will be sent to a RCRA hazardous waste treatment, storage, or disposal facility (TSDF) if it exhibits a hazardous waste characteristic. Envirite will notify the receiving TSDF of all applicable land disposal restrictions. If the waste is not RCRA hazardous, then it will be shipped to a RCRA subtitle D landfill.

### **C. Soil from Excavation's Sidewalls**

Unless sampling or other visual observations indicate otherwise, soil in the excavation's sidewall will remain in place.

### **D. Soil from the Bottom of the Excavation**

If there is no visible soil staining of the soil in the bottom of the excavation, and if the soil meets applicable cleanup standards, then it will be left in place.

Any soil that is removed from the excavation's bottom will be shipped off site. The soil will be sent to a RCRA TSDF if it exhibits a hazardous characteristic. Envirite will notify the receiving facility of all applicable Land ban standards. If the material is not RCRA hazardous, then it will be shipped to a RCRA subtitle D facility.

## **VII. MANAGEMENT OF CONTAMINATED SOILS AND MATERIALS (cont'd)**

### **E. UST's Contents**

Each UST's contents will be evaluated to determine the presence of hazardous characteristics. If liquid is present in the tank, then it is possible, but not necessary, that it will be shipped to a different site than any non-liquid fraction in the tank.

Any material that is removed from the tanks will be shipped off site. It will be sent to a RCRA TSDF if it exhibits a hazardous characteristic. Envirite will notify the receiving facility of all applicable Land Ban standards. If the material is not RCRA hazardous, then it will be shipped to a RCRA subtitle D facility and/or to a wastewater treatment facility subject to a discharge permit under the Clean Water Act.

## **VIII. CONTRACTOR INFORMATION**

Bids will be solicited from qualified UST removal contractors possessing appropriate qualifications for HAZWOPER operations. Envirite will screen qualified remediation contractors.

## **IX. HEALTH AND SAFETY PLAN (HASP)**

The HASP for the RFI project was submitted with the RFI Proposal. Envirite is currently reviewing the HASP to ensure that it addresses hazards associated with the prospective Interim Measure. Upon completing its review and making any needed revisions, Envirite will submit the HASP to EPA.

The HASP sets forth procedures, personnel responsibilities, and training necessary to protect the health and safety of all on-site personnel while engaged in Interim Measures. The plan provides for routine but hazardous activities and for unexpected facility emergencies. The plan identifies the following:

- Possible problems and hazards and their solutions,
- Medical surveillance measures,
- Specifications for protective clothing,
- Appropriate level of respiratory protection,
- Rationale for selecting that level,
- Criteria, procedures, and mechanisms for upgrading the level of protection and for suspending activity, if necessary.

A copy of the HASP will be made available to all site remediation and regulatory personnel.

## **X. SCHEDULE**

Envirite intends to solicit contractor bids within one week of EPA's approval of this work plan. The following general tasks for implementing the plan have been identified:

- Solicit contractor bids
- Select contractor
- Excavate tanks and soils
- Complete soil sample analysis
- Follow-up excavation if necessary
- Dispose of contaminated media

Envirite intends to complete all work within 90 days of EPA's approval of this work plan. Envirite will notify EPA at least one week in advance of performing any activity involving excavation and sampling.

## **XI. REPORTING**

At the conclusion of the UST removal project, Envirite will submit to EPA a letter report summarizing the results of this project. The final report will include information regarding the disposition and quantities of contaminated soils and materials, analytical results of the field sampling, a contractor's certification of completion, and any other relevant issues regarding this project.

Results of this project will also be included in both the RFI Supplement and final PHERE, as required by the Consent Order.

## **Appendix A**

Boring Logs

and

Analytical Data

GZA GEOENVIRONMENTAL, IN  
 Consulting Engineers/Geologists/Environmental Scientists

27 Naek Road  
 Vernon, Connecticut 06066  
 (203) 875-7655

ENVIRITE  
 THOMASTON, CONNECTICUT

Boring No. T-2

Page 1 of 1

File No. 41302.3

Chkd. By: JMB

Boring Co. GZA GeoEnvironmental, Inc.

Foreman Ron Holman

Type

Casing

H.S.A.

Sampler

S.S.

Groundwater Readings

Date	Time	Depth	Casing	Stab. Time

GZA  
 GeoEnvironmental  
 Rep. Al Augustine

I.D./O.D.

4-1/4"

3" O.D.

Hammer Wt.

140 LB.

Date Start 2/8/95

End 2/8/95

Hammer Fall

30"

Location

Other

GS.Elev.

Datum

D P T H	C B S L N W G S	Sample Information				Field Test Data	Sample Description & Classification	Stratum Description	R M K S	Equipment Installed
		No.	Pen./ Rec.	Depth (inches)	Blows/ 6"					
5	A	24/10	6-8	12-24	ND	Dense, brown, fine to medium SAND. some coarse Gravel, trace Silt	FILL	1.	NO EQUIPMENT INSTALLED	
				20-6						
10	B	24/12	10-12	23-20	ND *	Dense, grey-brown, fine to coarse GRAVEL and fine to coarse SAND, trace Silt	12.6'	2.	END OF EXPLORATION	
				21-38						
15	C	1/0	12.5-	200/1"		No recovery	12.6'	2.	END OF EXPLORATION	
				12.6						
20										
25										

Remarks  
 1. Soil samples field screened for volatile organic compounds with a 10.6 eV portable Thermo Environmental Instruments Model 580B photoionization detector (PID). PID values represent meter response in parts per million (ppm) above background values. \*\*\* indicates sample sent to laboratory for analysis. ND indicates None Detected.  
 2. Auger refusal at 12.5 feet below grade.

Stratification lines represent approximate boundaries between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.



Boring Co. <u>GZA GeoEnvironmental, Inc.</u>		<u>Casing</u>	<u>Sampler</u>	<u>Groundwater Readings</u>				
Foreman <u>Ron Holman</u>	Type <u>H.S.A.</u>	<u>4-1/4"</u>	<u>S.S.</u>	<u>Date</u>	<u>Time</u>	<u>Depth</u>	<u>Casing</u>	<u>Stab. Time</u>
GZA GeoEnvironmental Rep. <u>AJ Augustine</u>	I.D./O.D. <u>4-1/4"</u>	<u>3" O.D.</u>	Hammer Wt. <u>140 LB.</u>					
Date Start <u>2/8/95</u> End <u>2/8/95</u>	Hammer Fall <u>30"</u>							
Location _____	Other _____							
GS.Elev. _____	Datum _____							

D P T H	C S L N W G S	Sample Information					Sample Description & Classification	Stratum Description	R M K S	Equipment Installed
		No.	Pen./ Rec.	Depth (inches)	Blows/ 6"	Field Test Data				
5							FILL	1.	NO EQUIPMENT INSTALLED	
10										
		A	24/14	10-12	2-2	1.5 *				Loose, brown, fine to coarse SAND, trace Silt
					3-3					
15							15.0'			
		B	24/22	13-15	86-88	0.2 *				Very dense, black, fine to coarse GRAVEL and fine to coarse SAND, trace Silt
					83-100					
20							END OF EXPLORATION			
25										

Remarks:  
 1. Soil samples field screened for volatile organic compounds with a 10.6 eV portable Thermo Environmental Instruments Model 580B photoionization detector (PID). PID values represent meter response in parts per million (ppm) above background values. \*\*\* indicates sample sent to laboratory for analysis. ND indicates None Detected.

GZA GEOENVIRONMENTAL INC.  
 Consulting Engineers/Geologists/Environmental Scientists

27 Naek Road  
 Vernon, Connecticut 06066  
 (203) 875-7655

ENVIRITE  
 THOMASTON, CONNECTICUT

Boring No. T-1

Page 1 of 1

File No. 413023

Chkd. By: JMB

Boring Co. GZA GeoEnvironmental, Inc.

Foreman Ron Holman

GZA  
 GeoEnvironmental  
 Rep. Al Augustine

Date Start 2/8/95 End 2/8/95

Location

GS.Elev. Datum

Casing

H.S.A.

I.D./O.D. 4-1/4"

Hammer Wt.

Hammer Fall

Other

Sampler

S.S.

3" O.D.

140 LB.

30"

Groundwater Readings

Date	Time	Depth	Casing	Stab. Time

D P T H	C B S L N W G S	Sample Information					Sample Description & Classification	Stratum Description	R M K S	Equipment Installed
		No.	Pen./ Rec.	Depth (inches)	Blows/ 6"	Field Test Data				
5							FILL	1.	NO EQUIPMENT INSTALLED	
10	A	24/18	9-11	10-17	ND *	Medium dense, brown, fine to medium SAND, some coarse Gravel, trace Silt			NO EQUIPMENT INSTALLED	
				8-18						
15									NO EQUIPMENT INSTALLED	
20									NO EQUIPMENT INSTALLED	
25									NO EQUIPMENT INSTALLED	

R  
e  
m  
a  
r  
k  
s

- Soil samples field screened for volatile organic compounds with a 10.6 eV portable Thermo Environmental Instruments Model 580B photoionization detector (PID). PID values represent meter response in parts per million (ppm) above background values. \*\*\* indicates sample sent to laboratory for analysis. ND indicates None Detected.
- Auger refusal at 12 feet below grade.

Stratification lines represent approximate boundaries between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

Boring No. T-1

**GZA GEOENVIRONMENTAL, INC.**  
 Consulting Engineers/Geologists/Environmental Scientists

27 Naek Road  
 Vernon, Connecticut 06066  
 (203) 875-7655

ENVIRITE  
 THOMASTON, CONNECTICUT

Boring No. T-3

Page 1 of 1

File No. 41302.3

Chkd. By: JMB

Contracting Co. GZA GeoEnvironmental, Inc.

Foreman Al Augustine

GZA  
 GeoEnvironmental  
 Rep. Helena Hollauer

Date Start 11/16/94 End 11/16/94

Location \_\_\_\_\_

GS Elev. \_\_\_\_\_ Datum \_\_\_\_\_

Type \_\_\_\_\_  
 I.D./O.D. 3" O.D.  
 Hammer Wt. 140 LB.  
 Hammer Fall 30"  
 Other \_\_\_\_\_

Casing Sampler Groundwater Readings

Date	Time	Depth	Casing	Stab. Time
11/16/94	1333	5.8'	out	0 hours
11/16/94	1700	8.5'	out	3.5 hours

D P T H	C S L N W G S	Sample Information					Sample Description & Classification	Stratum Description	R M K S	Equipment Installed
		No.	Pen./ Rec.	Depth (inches)	Blows/ 6"	Field Test Data				
5							No samples collected from 0 to 6' depth	6.0'	1.	NO EQUIPMENT INSTALLED
		A	24/20	6-8	2-1/12" 1	127	Very loose, brown-black, fine to coarse SAND, some fine to coarse Gravel		2.	
10							Top 15": Medium dense, fine to coarse SAND, some fine to coarse Gravel Bottom 7": Medium dense, black, fine to coarse SAND, some fine to coarse Gravel	FILL  14.0'	3. 4.	
15								END OF EXPLORATION		
20										
25										

R  
e  
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o  
r  
d  
k

- Soil samples field screened for volatile organic compounds with a 10.0 eV portable Thermo Environmental Instruments Model 580B photoionization detector (PID). PID values represent meter response in parts per million (ppm) above background values. \*\*\* indicates sample sent to laboratory for analysis. ND indicates None Detected.
- Split spoon sample has odor.
- Fiberglass found 1/2" from tip of spoon, soils above fiberglass were wet and soils below fiberglass were dry.
- Rods oily at 10 fbg.

stratification lines represent approximate boundaries between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.



ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLT06A  
 Envirite's Sample Number: 9500553  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
Herbicide Extraction				02/21/95
Base/Neutral & Acidic Extraction				02/20/95
Solid Pesticide/PCB Extraction				02/20/95
Cyanide, Total	5.8	0.50	mg/kg	02/10/95
Sulfide, Total	15.	10.	mg/kg	02/14/95
Silver, Leachate	BQL	0.030	mg/L	03/06/95
Arsenic, Leachate	BQL	0.0050	mg/L	03/06/95
Barium, Leachate	BQL	0.50	mg/L	03/06/95
Beryllium, Leachate	BQL	0.020	mg/L	03/06/95
Cadmium, Leachate	BQL	0.010	mg/L	03/06/95
Cobalt, Leachate	BQL	0.10	mg/L	03/06/95
Chromium, Leachate	BQL	0.040	mg/L	03/06/95
Copper, Leachate	BQL	0.020	mg/L	03/06/95
Mercury, Leachate	BQL	0.0010	mg/L	02/22/95
Leachable Metals Digestion				02/22/95
Nickel, Leachate	BQL	0.30	mg/L	03/06/95
Lead, Leachate	BQL	0.60	mg/L	03/06/95
Antimony, Leachate	BQL	0.40	mg/L	03/06/95
Selenium, Leachate	BQL	0.050	mg/L	03/06/95
Tin, Leachate	BQL	1.0	mg/L	03/06/95
Thallium, Leachate	BQL	0.40	mg/L	03/06/95
Vanadium, Leachate	BQL	1.0	mg/L	03/06/95
Zinc, Leachate	0.039	0.010	mg/L	03/06/95
Silver, Total	BQL	0.60	mg/kg	03/02/95
Arsenic, Total	BQL	1.0	mg/kg	03/02/95
Barium, Total	41.	10.	mg/kg	03/02/95
Beryllium, Total	BQL	0.40	mg/kg	03/02/95
Cadmium, Total	BQL	0.20	mg/kg	03/02/95
Cobalt, Total	4.0	2.0	mg/kg	03/02/95
Chromium, Total	8.4	0.80	mg/kg	03/02/95
Copper, Total	32.	0.40	mg/kg	03/02/95
Mercury, Total	BQL	0.020	mg/kg	02/22/95
Metals Digestion for Solid Sample			mg/kg	02/22/95
Nickel, Total	7.0	0.60	mg/kg	03/02/95
Lead, Total	2.0	1.2	mg/kg	03/02/95
Antimony, Total	BQL	8.0	mg/kg	03/02/95
Selenium, Total	BQL	1.0	mg/kg	03/02/95
Tin, Total	BQL	16.	mg/kg	03/02/95
Thallium, Total	BQL	8.0	mg/kg	03/02/95
Vanadium, Total	BQL	20.	mg/kg	03/02/95

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLT06A  
 Envirite's Sample Number: 9500553  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
Zinc, Total	23.	2.0	mg/kg	03/02/95
Semi-Volatiles List - Thomaston RFI - Method 8270				
2,4,5-Trichlorophenol	BQL	330.	ug/kg	03/02/95
2,4,6-Trichlorophenol	BQL	330.	ug/kg	03/02/95
2,4-Dichlorophenol	BQL	330.	ug/kg	03/02/95
2,6-Dichlorophenol	BQL	330.	ug/kg	03/02/95
2-Chlorophenol	BQL	330.	ug/kg	03/02/95
2-Methylnaphthalene	BQL	330.	ug/kg	03/02/95
Acenaphthene	BQL	330.	ug/kg	03/02/95
Anthracene	BQL	330.	ug/kg	03/02/95
Bis (2-ethylhexyl) phthalate	BQL	330.	ug/kg	03/02/95
Butyl benzylphthalate	BQL	330.	ug/kg	03/02/95
Dibenzofuran	BQL	330.	ug/kg	03/02/95
Diethylphthalate	15.	J 330.	ug/kg	03/02/95
Di-n-octylphthalate	BQL	330.	ug/kg	03/02/95
Di-n-butylphthalate	220.	J 330.	ug/kg	03/02/95
Fluoranthene	BQL	330.	ug/kg	03/02/95
Fluorene	BQL	330.	ug/kg	03/02/95
Naphthalene	BQL	330.	ug/kg	03/02/95
N-Nitrosodimethylamine	BQL	330.	ug/kg	03/02/95
N-Nitrosodiphenylamine	BQL	330.	ug/kg	03/02/95
Phenanthrene	BQL	330.	ug/kg	03/02/95
Pyrene	BQL	330.	ug/kg	03/02/95
Benzo (a) pyrene	BQL	330.	ug/kg	03/02/95
Benzo (b) fluoranthene	BQL	330.	ug/kg	03/02/95
Benzo (k) fluoranthene	BQL	330.	ug/kg	03/02/95
Pests/PCBs List for Thomaston RFI - Method 8080				
4,4'-DDE	BQL	0.10	ug/kg	03/07/95
4,4'-DDT	BQL	0.10	ug/kg	03/07/95
Aldrin	BQL		ug/kg	03/07/95
Dieldrin	BQL	0.10	ug/kg	03/07/95
Endrin aldehyde	BQL	0.10	ug/kg	03/07/95
Heptachlor	BQL	0.050	ug/kg	03/07/95
Methoxychlor	BQL	0.50	ug/kg	03/07/95
Aroclor 1242	BQL	1.0	ug/kg	03/07/95
Aroclor 1254	BQL	1.0	ug/kg	03/07/95
Endosulfan I	BQL	0.050	ug/kg	03/07/95
b-BHC	BQL	0.028	ug/kg	03/07/95
Endosulfan II	BQL	0.011	ug/kg	03/07/95
d-BHC	BQL	0.050	ug/kg	03/07/95

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLTO6A  
 Envirate's Sample Number: 9500553  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
g-BHC (Lindane)	BQL	0.014	ug/kg	03/07/95
Herbicides - Method SW-846-8150				
2,4,5-T	BQL	1.0	ug/kg	03/10/95
2,4,5-TP (Silvex)	BQL	1.0	ug/kg	03/10/95
2,4-D	BQL	1.0	ug/kg	03/10/95
2,4-DB	BQL	1.0	ug/kg	03/10/95
Dalapon	BQL	1.0	ug/kg	03/10/95
Dicamba	BQL	1.0	ug/kg	03/10/95
Dichloroprop	BQL	1.0	ug/kg	03/10/95
Dinoseb	BQL	1.0	ug/kg	03/10/95
MCPA	BQL	1.0	ug/kg	03/10/95
MCPP	BQL	1.0	ug/kg	03/10/95
Synthetic Rain Leaching Procedure				02/20/95
RFI Volatile list - Soils - Method 8240				
1,1,1-Trichloroethane	BQL	10.	ug/kg	02/13/95
1,1,2,2-Tetrachloroethane	BQL	10.	ug/kg	02/13/95
1,1,2-Trichloroethane	BQL	10.	ug/kg	02/13/95
1,1-Dichloroethane	BQL	10.	ug/kg	02/13/95
1,1-Dichloroethene	BQL	10.	ug/kg	02/13/95
1,2-Dichloroethane	BQL	10.	ug/kg	02/13/95
1,2-Dichloropropane	BQL	10.	ug/kg	02/13/95
Dibromochloromethane	BQL	10.	ug/kg	02/13/95
2-Chloroethyl vinyl ether	BQL	10.	ug/kg	02/13/95
2-Hexanone	BQL	10.	ug/kg	02/13/95
Acetone	BQL	10.	ug/kg	02/13/95
Benzene	BQL	10.	ug/kg	02/13/95
Bromodichloromethane	BQL	10.	ug/kg	02/13/95
Bromomethane	BQL	10.	ug/kg	02/13/95
Bromoform	BQL	10.	ug/kg	02/13/95
cis-1,2-Dichloroethene	BQL	10.	ug/kg	02/13/95
cis-1,3-Dichloropropene	BQL	10.	ug/kg	02/13/95
Carbon disulfide	BQL	10.	ug/kg	02/13/95
Carbon tetrachloride	BQL	10.	ug/kg	02/13/95
Chloroform	BQL	10.	ug/kg	02/13/95
Chlorobenzene	BQL	10.	ug/kg	02/13/95
Chloroethane	BQL	10.	ug/kg	02/13/95
Chloromethane	BQL	10.	ug/kg	02/13/95
Ethylbenzene	BQL	10.	ug/kg	02/13/95
Methylene chloride	4.0	J 10.	ug/kg	02/13/95
2-Butanone (MEK)	BQL	10.	ug/kg	02/13/95

ENVIRITE CORP. (THOMASTON)  
Old Waterbury Road  
Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
Date Sample Collected: 02/08/1995  
Sample Description: AA950208SLT06A  
Envirite's Sample Number: 9500553  
Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
4-Methyl-2-Pentanone	BQL	10.	ug/kg	02/13/95
Styrene	BQL	10.	ug/kg	02/13/95
trans-1,2-Dichloroethene	BQL	10.	ug/kg	02/13/95
trans-1,3-Dichloropropene	BQL	10.	ug/kg	02/13/95
Tetrachloroethylene	BQL	10.	ug/kg	02/13/95
Toluene	BQL	10.	ug/kg	02/13/95
Total Xylenes	BQL	10.	ug/kg	02/13/95
Trichloroethylene	BQL	10.	ug/kg	02/13/95
Vinyl acetate	BQL	10.	ug/kg	02/13/95
Vinyl chloride	BQL	10.	ug/kg	02/13/95

BQL = Below Quantitation Limit

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 17th Edition, 1989
2. Clean Water Act, List of Approved Test Procedures, 40 CFR, 136.3 July 1, 1989
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLT06B  
 Envirite's Sample Number: 9500554  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
Herbicide Extraction				02/21/95
Base/Neutral & Acidic Extraction				02/20/95
Solid Pesticide/PCB Extraction				02/20/95
Cyanide, Total	BQL	0.50	mg/kg	02/10/95
Sulfide, Total	140.	10.	mg/kg	02/14/95
Silver, Leachate	BQL	0.030	mg/L	03/06/95
Arsenic, Leachate	BQL	0.0050	mg/L	03/06/95
Barium, Leachate	BQL	0.50	mg/L	03/06/95
Beryllium, Leachate	BQL	0.020	mg/L	03/06/95
Cadmium, Leachate	BQL	0.010	mg/L	03/06/95
Cobalt, Leachate	BQL	0.10	mg/L	03/06/95
Chromium, Leachate	BQL	0.040	mg/L	03/06/95
Copper, Leachate	BQL	0.020	mg/L	03/06/95
Mercury, Leachate	BQL	0.0010	mg/L	02/22/95
Leachable Metals Digestion				02/22/95
Nickel, Leachate	BQL	0.30	mg/L	03/06/95
Lead, Leachate	BQL	0.60	mg/L	03/06/95
Antimony, Leachate	BQL	0.40	mg/L	03/06/95
Selenium, Leachate	BQL	0.050	mg/L	03/06/95
Tin, Leachate	BQL	1.0	mg/L	03/06/95
Thallium, Leachate	BQL	0.40	mg/L	03/06/95
Vanadium, Leachate	BQL	1.0	mg/L	03/06/95
Zinc, Leachate	0.027	0.010	mg/L	03/06/95
Silver, Total	BQL	0.60	mg/kg	03/02/95
Arsenic, Total	BQL	1.0	mg/kg	03/02/95
Barium, Total	27.	10.	mg/kg	03/02/95
Beryllium, Total	BQL	0.40	mg/kg	03/02/95
Cadmium, Total	0.24	0.20	mg/kg	03/02/95
Cobalt, Total	4.2	2.0	mg/kg	03/02/95
Chromium, Total	9.6	0.80	mg/kg	03/02/95
Copper, Total	24.	0.40	mg/kg	03/02/95
Mercury, Total	BQL	0.020	mg/kg	02/22/95
Metals Digestion for Solid Sample				02/22/95
Nickel, Total	7.2	0.60	mg/kg	03/02/95
Lead, Total	5.4	1.2	mg/kg	03/02/95
Antimony, Total	BQL	8.0	mg/kg	03/02/95
Selenium, Total	BQL	1.0	mg/kg	03/02/95
Tin, Total	BQL	16.	mg/kg	03/02/95
Thallium, Total	BQL	8.0	mg/kg	03/02/95
Vanadium, Total	BQL	20.	mg/kg	03/02/95

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLTO6B  
 Envirite's Sample Number: 9500554  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
Zinc, Total	46.	2.0	mg/kg	03/02/95
Semi-Volatiles List - Thomaston RFI - Method 8270				
2,4,5-Trichlorophenol	BQL	330.	ug/kg	03/02/95
2,4,6-Trichlorophenol	BQL	330.	ug/kg	03/02/95
2,4-Dichlorophenol	BQL	330.	ug/kg	03/02/95
2,6-Dichlorophenol	BQL	330.	ug/kg	03/02/95
2-Chlorophenol	BQL	330.	ug/kg	03/02/95
2-Methylnaphthalene	BQL	330.	ug/kg	03/02/95
Acenaphthene	BQL	330.	ug/kg	03/02/95
Anthracene	BQL	330.	ug/kg	03/02/95
Bis (2-ethylhexyl) phthalate	BQL	330.	ug/kg	03/02/95
Butyl benzylphthalate	BQL	330.	ug/kg	03/02/95
Dibenzofuran	BQL	330.	ug/kg	03/02/95
Diethylphthalate	61.	J 330.	ug/kg	03/02/95
Di-n-octylphthalate	BQL	330.	ug/kg	03/02/95
Di-n-butylphthalate	510.	J 330.	ug/kg	03/02/95
Fluoranthene	24.	J 330.	ug/kg	03/02/95
Fluorene	BQL	330.	ug/kg	03/02/95
Naphthalene	BQL	330.	ug/kg	03/02/95
N-Nitrosodimethylamine	BQL	330.	ug/kg	03/02/95
N-Nitrosodiphenylamine	BQL	330.	ug/kg	03/02/95
Phenanthrene	11.	J 330.	ug/kg	03/02/95
Pyrene	22.	J 330.	ug/kg	03/02/95
Benzo (a) pyrene	BQL	330.	ug/kg	03/02/95
Benzo (b) fluoranthene	BQL	330.	ug/kg	03/02/95
Benzo (k) fluoranthene	BQL	330.	ug/kg	03/02/95
Pests/PCBs List for Thomaston RFI - Method 8080				
4,4'-DDE	BQL	0.10	ug/kg	03/07/95
4,4'-DDT	BQL	0.10	ug/kg	03/07/95
Aldrin	BQL		ug/kg	03/07/95
Dieldrin	BQL	0.10	ug/kg	03/07/95
Endrin aldehyde	BQL	0.10	ug/kg	03/07/95
Heptachlor	BQL	0.050	ug/kg	03/07/95
Methoxychlor	BQL	0.50	ug/kg	03/07/95
Aroclor 1242	BQL	1.0	ug/kg	03/07/95
Aroclor 1254	BQL	1.0	ug/kg	03/07/95
Endosulfan I	BQL	0.050	ug/kg	03/07/95
b-BHC	BQL	0.028	ug/kg	03/07/95
Endosulfan II	BQL	0.011	ug/kg	03/07/95
d-BHC	BQL	0.050	ug/kg	03/07/95

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLT06B  
 Envirite's Sample Number: 9500554  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
g-BHC (Lindane)	BQL	0.014	ug/kg	03/07/95
Herbicides - Method SW-846-8150				
2 4,5-T	BQL	1.0	ug/kg	03/10/95
2 4,5-TP (Silvex)	BQL	1.0	ug/kg	03/10/95
2 4-D	BQL	1.0	ug/kg	03/10/95
2 4-DB	BQL	1.0	ug/kg	03/10/95
Dalapon	BQL	1.0	ug/kg	03/10/95
Dicamba	BQL	1.0	ug/kg	03/10/95
Dichloroprop	BQL	1.0	ug/kg	03/10/95
Dinoseb	BQL	1.0	ug/kg	03/10/95
MCPA	BQL	1.0	ug/kg	03/10/95
MCPP	BQL	1.0	ug/kg	03/10/95
Synthetic Rain Leaching Procedure				02/20/95
RFI Volatile list - Soils - Method 8240				
1,1,1-Trichloroethane	BQL	10.	ug/kg	02/13/95
1,1,2,2-Tetrachloroethane	BQL	10.	ug/kg	02/13/95
1,1,2-Trichloroethane	BQL	10.	ug/kg	02/13/95
1,1-Dichloroethane	BQL	10.	ug/kg	02/13/95
1,1-Dichloroethene	BQL	10.	ug/kg	02/13/95
1,2-Dichloroethane	BQL	10.	ug/kg	02/13/95
1,2-Dichloropropane	BQL	10.	ug/kg	02/13/95
Dibromochloromethane	BQL	10.	ug/kg	02/13/95
2-Chloroethyl vinyl ether	BQL	10.	ug/kg	02/13/95
2-Hexanone	BQL	10.	ug/kg	02/13/95
Acetone	110.	10.	ug/kg	02/13/95
Benzene	BQL	10.	ug/kg	02/13/95
Bromodichloromethane	BQL	10.	ug/kg	02/13/95
Bromomethane	BQL	10.	ug/kg	02/13/95
Bromoform	BQL	10.	ug/kg	02/13/95
cis-1,2-Dichloroethene	BQL	10.	ug/kg	02/13/95
cis-1,3-Dichloropropene	BQL	10.	ug/kg	02/13/95
Carbon disulfide	BQL	10.	ug/kg	02/13/95
Carbon tetrachloride	BQL	10.	ug/kg	02/13/95
Chloroform	BQL	10.	ug/kg	02/13/95
Chlorobenzene	BQL	10.	ug/kg	02/13/95
Chloroethane	BQL	10.	ug/kg	02/13/95
Chloromethane	BQL	10.	ug/kg	02/13/95
Ethylbenzene	BQL	10.	ug/kg	02/13/95
Methylene chloride	2.7	J 10.	ug/kg	02/13/95
2-Butanone (MEK)	23.	10.	ug/kg	02/13/95

ENVIRITE CORP. (THOMASTON)  
Old Waterbury Road  
Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
Date Sample Collected: 02/08/1995  
Sample Description: AA950208SLT06B  
Envirite's Sample Number: 9500554  
Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
4-Methyl-2-Pentanone	BQL	10.	ug/kg	02/13/95
Styrene	BQL	10.	ug/kg	02/13/95
trans-1,2-Dichloroethene	BQL	10.	ug/kg	02/13/95
trans-1,3-Dichloropropene	BQL	10.	ug/kg	02/13/95
Tetrachloroethylene	BQL	10.	ug/kg	02/13/95
Toluene	BQL	10.	ug/kg	02/13/95
Total Xylenes	BQL	10.	ug/kg	02/13/95
Trichloroethylene	BQL	10.	ug/kg	02/13/95
Vinyl acetate	BQL	10.	ug/kg	02/13/95
Vinyl chloride	BQL	10.	ug/kg	02/13/95

BQL = Below Quantitation Limit

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 17th Edition, 1989
2. Clean Water Act, List of Approved Test Procedures, 40 CFR, 136.3 July 1, 1989
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLTO1A  
 Envirite's Sample Number: 9500555  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
Herbicide Extraction				02/21/95
Base/Neutral & Acidic Extraction				02/20/95
Solid Pesticide/PCB Extraction				02/20/95
Cyanide, Total	BQL	0.50	mg/kg	02/10/95
Sulfide, Total	20.	10.	mg/kg	02/14/95
Silver, Leachate	BQL	0.030	mg/L	03/06/95
Arsenic, Leachate	BQL	0.0050	mg/L	03/06/95
Barium, Leachate	BQL	0.50	mg/L	03/06/95
Beryllium, Leachate	BQL	0.020	mg/L	03/06/95
Cadmium, Leachate	BQL	0.010	mg/L	03/06/95
Cobalt, Leachate	BQL	0.10	mg/L	03/06/95
Chromium, Leachate	BQL	0.040	mg/L	03/06/95
Copper, Leachate	BQL	0.020	mg/L	03/06/95
Mercury, Leachate	BQL	0.0010	mg/L	02/22/95
Leachable Metals Digestion				02/22/95
Nickel, Leachate	BQL	0.30	mg/L	03/06/95
Lead, Leachate	BQL	0.60	mg/L	03/06/95
Antimony, Leachate	BQL	0.40	mg/L	03/06/95
Selenium, Leachate	BQL	0.050	mg/L	03/06/95
Tin, Leachate	BQL	1.0	mg/L	03/06/95
Thallium, Leachate	BQL	0.40	mg/L	03/06/95
Vanadium, Leachate	BQL	1.0	mg/L	03/06/95
Zinc, Leachate	0.080	0.010	mg/L	03/06/95
Silver, Total	0.60	0.60	mg/kg	03/02/95
Arsenic, Total	BQL	1.0	mg/kg	03/02/95
Barium, Total	37.	10.	mg/kg	03/02/95
Beryllium, Total	BQL	0.40	mg/kg	03/02/95
Cadmium, Total	BQL	0.20	mg/kg	03/02/95
Cobalt, Total	9.6	2.0	mg/kg	03/02/95
Chromium, Total	20.	0.80	mg/kg	03/02/95
Copper, Total	28.	0.40	mg/kg	03/02/95
Mercury, Total	BQL	0.020	mg/kg	02/22/95
Metals Digestion for Solid Sample				02/22/95
Nickel, Total	11.	0.60	mg/kg	03/02/95
Lead, Total	2.0	1.2	mg/kg	03/02/95
Antimony, Total	BQL	8.0	mg/kg	03/02/95
Selenium, Total	BQL	1.0	mg/kg	03/02/95
Tin, Total	BQL	16.	mg/kg	03/02/95
Thallium, Total	BQL	8.0	mg/kg	03/02/95
Vanadium, Total	33.	20.	mg/kg	03/02/95

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLTO1A  
 Envirite's Sample Number: 9500555  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
Zinc, Total	30.	2.0	mg/kg	03/02/95
Semi-Volatiles List - Thomaston RFI - Method 8270				
2,4,5-Trichlorophenol	BQL	330.	ug/kg	03/02/95
2,4,6-Trichlorophenol	BQL	330.	ug/kg	03/02/95
2,4-Dichlorophenol	BQL	330.	ug/kg	03/02/95
2,6-Dichlorophenol	BQL	330.	ug/kg	03/02/95
2-Chlorophenol	BQL	330.	ug/kg	03/02/95
2-Methylnaphthalene	BQL	330.	ug/kg	03/02/95
Acenaphthene	BQL	330.	ug/kg	03/02/95
Anthracene	BQL	330.	ug/kg	03/02/95
Bis (2-ethylhexyl) phthalate	BQL	330.	ug/kg	03/02/95
Butyl benzylphthalate	BQL	330.	ug/kg	03/02/95
Dibenzofuran	BQL	330.	ug/kg	03/02/95
Diethylphthalate	41.	J 330.	ug/kg	03/02/95
Di-n-octylphthalate	BQL	330.	ug/kg	03/02/95
Di-n-butylphthalate	650.	J 330.	ug/kg	03/02/95
Fluoranthene	BQL	330.	ug/kg	03/02/95
Fluorene	BQL	330.	ug/kg	03/02/95
Naphthalene	BQL	330.	ug/kg	03/02/95
N-Nitrosodimethylamine	BQL	330.	ug/kg	03/02/95
N-Nitrosodiphenylamine	BQL	330.	ug/kg	03/02/95
Phenanthrene	11.	J 330.	ug/kg	03/02/95
Pyrene	10.	J 330.	ug/kg	03/02/95
Benzo (a) pyrene	BQL	330.	ug/kg	03/02/95
Benzo (b) fluoranthene	BQL	330.	ug/kg	03/02/95
Benzo (k) fluoranthene	BQL	330.	ug/kg	03/02/95
Pests/PCBs List for Thomaston RFI - Method 8080				
4,4'-DDE	BQL	0.10	ug/kg	03/07/95
4,4'-DDT	BQL	0.10	ug/kg	03/07/95
Aldrin	BQL		ug/kg	03/07/95
Dieldrin	BQL	0.10	ug/kg	03/07/95
Endrin aldehyde	BQL	0.10	ug/kg	03/07/95
Heptachlor	BQL	0.050	ug/kg	03/07/95
Methoxychlor	BQL	0.50	ug/kg	03/07/95
Aroclor 1242	BQL	1.0	ug/kg	03/07/95
Aroclor 1254	BQL	1.0	ug/kg	03/07/95
Endosulfan I	BQL	0.050	ug/kg	03/07/95
p-BHC	BQL	0.028	ug/kg	03/07/95
Endosulfan II	BQL	0.011	ug/kg	03/07/95
d-BHC	BQL	0.050	ug/kg	03/07/95

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLTO1A  
 Envirite's Sample Number: 9500555  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
g-BHC (Lindane)	BQL	0.014	ug/kg	03/07/95
Herbicides - Method SW-846-8150				
2,4,5-T	BQL	1.0	ug/kg	03/10/95
2,4,5-TP (Silvex)	BQL	1.0	ug/kg	03/10/95
2,4-D	BQL	1.0	ug/kg	03/10/95
2,4-DB	BQL	1.0	ug/kg	03/10/95
Dalapon	BQL	1.0	ug/kg	03/10/95
Dicamba	BQL	1.0	ug/kg	03/10/95
Dichloroprop	BQL	1.0	ug/kg	03/10/95
Dinoseb	BQL	1.0	ug/kg	03/10/95
MCPA	BQL	1.0	ug/kg	03/10/95
MCPP	BQL	1.0	ug/kg	03/10/95
Synthetic Rain Leaching Procedure				02/20/95
RFI Volatile list - Soils - Method 8240				
1,1,1-Trichloroethane	BQL	10.	ug/kg	02/13/95
1,1,2,2-Tetrachloroethane	BQL	10.	ug/kg	02/13/95
1,1,2-Trichloroethane	BQL	10.	ug/kg	02/13/95
1,1-Dichloroethane	BQL	10.	ug/kg	02/13/95
1,1-Dichloroethene	BQL	10.	ug/kg	02/13/95
1,2-Dichloroethane	BQL	10.	ug/kg	02/13/95
1,2-Dichloropropane	BQL	10.	ug/kg	02/13/95
Dibromochloromethane	BQL	10.	ug/kg	02/13/95
2-Chloroethyl vinyl ether	BQL	10.	ug/kg	02/13/95
2-Hexanone	BQL	10.	ug/kg	02/13/95
Acetone	BQL	10.	ug/kg	02/13/95
Benzene	BQL	10.	ug/kg	02/13/95
Bromdichloromethane	BQL	10.	ug/kg	02/13/95
Bromomethane	BQL	10.	ug/kg	02/13/95
Bromoform	BQL	10.	ug/kg	02/13/95
cis-1,2-Dichloroethene	BQL	10.	ug/kg	02/13/95
cis-1,3-Dichloropropene	BQL	10.	ug/kg	02/13/95
Carbon disulfide	BQL	10.	ug/kg	02/13/95
Carbon tetrachloride	BQL	10.	ug/kg	02/13/95
Chloroform	BQL	10.	ug/kg	02/13/95
Chlorobenzene	BQL	10.	ug/kg	02/13/95
Chloroethane	BQL	10.	ug/kg	02/13/95
Chloromethane	BQL	10.	ug/kg	02/13/95
Ethylbenzene	BQL	10.	ug/kg	02/13/95
Methylene chloride	2.2	J 10.	ug/kg	02/13/95
2-Butanone (MEK)	BQL	10.	ug/kg	02/13/95

ENVIRITE CORP. (THOMASTON)  
Old Waterbury Road  
Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
Date Sample Collected: 02/08/1995  
Sample Description: AA950208SLT01A  
Envirite's Sample Number: 9500555  
Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
4-Methyl-2-Pentanone	BQL	10.	ug/kg	02/13/95
Styrene	BQL	10.	ug/kg	02/13/95
trans-1,2-Dichloroethene	BQL	10.	ug/kg	02/13/95
trans-1,3-Dichloropropene	BQL	10.	ug/kg	02/13/95
Tetrachloroethylene	BQL	10.	ug/kg	02/13/95
Toluene	BQL	10.	ug/kg	02/13/95
Total Xylenes	BQL	10.	ug/kg	02/13/95
Trichloroethylene	BQL	10.	ug/kg	02/13/95
Vinyl acetate	BQL	10.	ug/kg	02/13/95
Vinyl chloride	BQL	10.	ug/kg	02/13/95

BQL = Below Quantitation Limit

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 17th Edition, 1989
2. Clean Water Act, List of Approved Test Procedures, 40 CFR, 136.3 July 1, 1989
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLTO2B  
 Envirite's Sample Number: 9500552  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
Herbicide Extraction				02/21/95
Base/Neutral & Acidic Extraction				02/20/95
Solid Pesticide/PCB Extraction				02/20/95
Cyanide, Total	BQL	0.50	mg/kg	02/10/95
Sulfide, Total	30.	10.	mg/kg	02/14/95
Silver, Leachate	BQL	0.030	mg/L	03/06/95
Arsenic, Leachate	BQL	0.0050	mg/L	03/06/95
Barium, Leachate	BQL	0.50	mg/L	03/06/95
Beryllium, Leachate	BQL	0.020	mg/L	03/06/95
Cadmium, Leachate	BQL	0.010	mg/L	03/06/95
Cobalt, Leachate	BQL	0.10	mg/L	03/06/95
Chromium, Leachate	BQL	0.040	mg/L	03/06/95
Copper, Leachate	BQL	0.020	mg/L	03/06/95
Mercury, Leachate	BQL	0.0010	mg/L	02/22/95
Leachable Metals Digestion				02/22/95
Nickel, Leachate	BQL	0.30	mg/L	03/06/95
Lead, Leachate	BQL	0.60	mg/L	03/06/95
Antimony, Leachate	BQL	0.40	mg/L	03/06/95
Selenium, Leachate	BQL	0.050	mg/L	03/06/95
Tin, Leachate	BQL	1.0	mg/L	03/06/95
Thallium, Leachate	BQL	0.40	mg/L	03/06/95
Vanadium, Leachate	BQL	1.0	mg/L	03/06/95
Zinc, Leachate	0.062	0.010	mg/L	03/06/95
Silver, Total	BQL	0.60	mg/kg	03/02/95
Arsenic, Total	BQL	1.0	mg/kg	03/02/95
Barium, Total	75.	10.	mg/kg	03/02/95
Beryllium, Total	BQL	0.40	mg/kg	03/02/95
Cadmium, Total	BQL	0.20	mg/kg	03/02/95
Cobalt, Total	8.8	2.0	mg/kg	03/02/95
Chromium, Total	50.	0.80	mg/kg	03/02/95
Copper, Total	27.	0.40	mg/kg	03/02/95
Mercury, Total	BQL	0.020	mg/kg	02/22/95
Metals Digestion for Solid Sample			mg/kg	02/22/95
Nickel, Total	16.	0.60	mg/kg	03/02/95
Lead, Total	14.	1.2	mg/kg	03/02/95
Antimony, Total	BQL	8.0	mg/kg	03/02/95
Selenium, Total	BQL	1.0	mg/kg	03/02/95
Tin, Total	BQL	16.	mg/kg	03/02/95
Thallium, Total	BQL	8.0	mg/kg	03/02/95
Vanadium, Total	40.	20.	mg/kg	03/02/95

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLTO2B  
 Envirite's Sample Number: 9500552  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
Zinc, Total	42.	2.0	mg/kg	03/02/95
Semi-Volatiles List - Thomaston RFI - Method 8270				
2,4,5-Trichlorophenol	BQL	330.	ug/kg	03/02/95
2,4,6-Trichlorophenol	BQL	330.	ug/kg	03/02/95
2,4-Dichlorophenol	BQL	330.	ug/kg	03/02/95
2,6-Dichlorophenol	BQL	330.	ug/kg	03/02/95
2-Chlorophenol	BQL	330.	ug/kg	03/02/95
2-Methylnaphthalene	BQL	330.	ug/kg	03/02/95
Acenaphthene	BQL	330.	ug/kg	03/02/95
Anthracene	BQL	330.	ug/kg	03/02/95
Bis (2-ethylhexyl) phthalate	BQL	330.	ug/kg	03/02/95
Butyl benzylphthalate	BQL	330.	ug/kg	03/02/95
Dibenzofuran	BQL	330.	ug/kg	03/02/95
Diethylphthalate	BQL	330.	ug/kg	03/02/95
Di-n-octylphthalate	BQL	330.	ug/kg	03/02/95
Di-n-butylphthalate	33.	J 330.	ug/kg	03/02/95
Fluoranthene	BQL	330.	ug/kg	03/02/95
Fluorene	BQL	330.	ug/kg	03/02/95
Naphthalene	BQL	330.	ug/kg	03/02/95
N-Nitrosodimethylamine	BQL	330.	ug/kg	03/02/95
N-Nitrosodiphenylamine	BQL	330.	ug/kg	03/02/95
Phenanthrene	BQL	330.	ug/kg	03/02/95
Pyrene	BQL	330.	ug/kg	03/02/95
Benzo (a) pyrene	BQL	330.	ug/kg	03/02/95
Benzo (b) fluoranthene	BQL	330.	ug/kg	03/02/95
Benzo (k) fluoranthene	BQL	330.	ug/kg	03/02/95
Pests/PCBs List for Thomaston RFI - Method 8080				
4,4'-DDE	BQL	0.10	ug/kg	03/07/95
4,4'-DDT	BQL	0.10	ug/kg	03/07/95
Aldrin	BQL		ug/kg	03/07/95
Dieldrin	BQL	0.10	ug/kg	03/07/95
Endrin aldehyde	BQL	0.10	ug/kg	03/07/95
Heptachlor	BQL	0.050	ug/kg	03/07/95
Methoxychlor	BQL	0.50	ug/kg	03/07/95
Aroclor 1242	BQL	1.0	ug/kg	03/07/95
Aroclor 1254	BQL	1.0	ug/kg	03/07/95
Endosulfan I	BQL	0.050	ug/kg	03/07/95
b-BHC	BQL	0.028	ug/kg	03/07/95
Endosulfan II	BQL	0.011	ug/kg	03/07/95
d-BHC	BQL	0.050	ug/kg	03/07/95

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLTO2B  
 Envirite's Sample Number: 9500552  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
g-BHC (Lindane)	BQL	0.014	ug/kg	03/07/95
Herbicides - Method SW-846-8150				
2,4,5-T	BQL	1.0	ug/kg	03/10/95
2,4,5-TP (Silvex)	BQL	1.0	ug/kg	03/10/95
2,4-D	BQL	1.0	ug/kg	03/10/95
2,4-DB	BQL	1.0	ug/kg	03/10/95
Dalapon	BQL	1.0	ug/kg	03/10/95
Dicamba	BQL	1.0	ug/kg	03/10/95
Dichloroprop	BQL	1.0	ug/kg	03/10/95
Dinoseb	BQL	1.0	ug/kg	03/10/95
MCPA	BQL	1.0	ug/kg	03/10/95
MCPP	BQL	1.0	ug/kg	03/10/95
Synthetic Rain Leaching Procedure				02/20/95
RFI Volatile list - Soils - Method 8240				
1,1,1-Trichloroethane	BQL	10.	ug/kg	02/13/95
1,1,2,2-Tetrachloroethane	BQL	10.	ug/kg	02/13/95
1,1,2-Trichloroethane	BQL	10.	ug/kg	02/13/95
1,1-Dichloroethane	BQL	10.	ug/kg	02/13/95
1,1-Dichloroethene	BQL	10.	ug/kg	02/13/95
1,2-Dichloroethane	BQL	10.	ug/kg	02/13/95
1,2-Dichloropropane	BQL	10.	ug/kg	02/13/95
Dibromochloromethane	BQL	10.	ug/kg	02/13/95
2-Chloroethyl vinyl ether	BQL	10.	ug/kg	02/13/95
2-Hexanone	BQL	10.	ug/kg	02/13/95
Acetone	6.5	J 10.	ug/kg	02/13/95
Benzene	BQL	10.	ug/kg	02/13/95
Bromodichloromethane	BQL	10.	ug/kg	02/13/95
Bromomethane	BQL	10.	ug/kg	02/13/95
Bromoform	BQL	10.	ug/kg	02/13/95
cis-1,2-Dichloroethene	BQL	10.	ug/kg	02/13/95
cis-1,3-Dichloropropene	BQL	10.	ug/kg	02/13/95
Carbon disulfide	BQL	10.	ug/kg	02/13/95
Carbon tetrachloride	BQL	10.	ug/kg	02/13/95
Chloroform	BQL	10.	ug/kg	02/13/95
Chlorobenzene	BQL	10.	ug/kg	02/13/95
Chloroethane	BQL	10.	ug/kg	02/13/95
Chloromethane	BQL	10.	ug/kg	02/13/95
Ethylbenzene	BQL	10.	ug/kg	02/13/95
Methylene chloride	2.8	J 10.	ug/kg	02/13/95
2-Butanone (MEK)	BQL	10.	ug/kg	02/13/95

ENVIRITE CORP. (THOMASTON)  
Old Waterbury Road  
Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
Date Sample Collected: 02/08/1995  
Sample Description: AA950208SLT02B  
Envirite's Sample Number: 9500552  
Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
4-Methyl-2-Pentanone	BQL	10.	ug/kg	02/13/95
Styrene	BQL	10.	ug/kg	02/13/95
trans-1,2-Dichloroethene	BQL	10.	ug/kg	02/13/95
trans-1,3-Dichloropropene	BQL	10.	ug/kg	02/13/95
Tetrachloroethylene	BQL	10.	ug/kg	02/13/95
Toluene	BQL	10.	ug/kg	02/13/95
Total Xylenes	BQL	10.	ug/kg	02/13/95
Trichloroethylene	BQL	10.	ug/kg	02/13/95
Vinyl acetate	BQL	10.	ug/kg	02/13/95
Vinyl chloride	BQL	10.	ug/kg	02/13/95

BQL = Below Quantitation Limit

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 17th Edition, 1989
2. Clean Water Act, List of Approved Test Procedures, 40 CFR, 136.3 July 1, 1989
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987

## **Appendix B**

Analytical Parameter Lists

## Derivation of Tables 1 and 2

Table 1, entitled "A Comparison of UST Soils to Applicable Clean-up Standards," was assembled through the utilization of several data sources. Analytical parameters were selected as follows: First, analytical parameters presented in Table 9-13, "Underground Tank AOC Soils Analytical Data Summary," March 1995 RFI Phase I Report, were selected on the basis that the parameters listed are representative of the site-specific constituent list determined at the time these analyses were performed. All parameters are reported, regardless of whether a compound was quantifiable or not. Second, any parameters presented in Table 7-3, "Appendix IX Derived Landfill Treatment Residue Parameter List," also from the March 1995 RFI Phase I Report, which were not included in Table 9-13, are included in Table 1.

All quantifiable concentrations reported in Table 1 represent the maximum and minimum concentrations determined from the analysis of samples T-3B and T-4B obtained on November 16, 1994 from borings T-3 and T-4, respectively, installed in the area of the east UST. Constituents not quantifiable are reported as "BQL."

Additionally, analytical data obtained from a February 1995 analysis of soil boring samples T-1A, T-2B, T-6A, and T-6B were reviewed, and the data was compared to the values presented in Table 9-13. If any concentration value was found to exceed a minimum or maximum value listed in Table 9-13, the higher value was substituted in the table for that particular constituent.

Units of measure are mg/kg for all parameters, except for certain leachable metals values. For example, the site-specific parameter list included leachable metals analysis. These analytical results are reported in mg/l. Comparable CT GB Mobility Criteria for metals and PCBs by TCLP or SPLP are also reported in mg/l.

Table 1, columns five and six, list the clean-up standards selected for this interim measure. Column five lists the State of Connecticut GB Mobility Criteria from Appendix B to Sections 22a-133k-1 through 22a-133k-3 of the Connecticut State Agencies Pollutant Mobility Criteria for Soil. Any constituent from the GB mobility standard list corresponding to any constituent in Table 1 is entered in column five. Column six lists the U.S. EPA Soil Screening Levels - Transfers from Soil to Groundwater, as presented in the October 20, 1995 Risk-Based Concentration Table, July - December 1995, from Roy L. Smith, Ph. D., Office of RCRA, Technical & Program Support Branch (3HW70). Any compound for which EPA has established a risk-based value, is entered in column six. If a Soil to Groundwater value is not established for a particular constituent, then the Soil Ingestion, Industrial, value was substituted.

Table 2 is comprised of compounds listed in CFR 261.24, Maximum Concentration of Contaminants of the Toxicity Characteristic, which are not already listed in Table 1. All Table 2 constituents will be analyzed with the Table 1 parameters for the purpose, if necessary, of making a toxicity characteristic determination should excavated soils need to be disposed. These compounds are listed separately to differentiate them from the site-specific parameters.

**A Comparison of Soil Constituent Concentrations  
to Applicable Cleanup Standards**

No	Compound	Min. Conc. Detected	Max. Conc. Detected	CT GB Mobility Standard *	EPA Risk-Based Levels **
<b>Volatile Compounds</b>					
1	1,1,1-Trichloroethane	0.0083	0.0083	40.	0.9
2	1,1,2-Trichloroethane	BQL	BQL	1.	0.01
3	1,1-Dichloroethene	0.0005	0.0005	1.4	0.03
4	1,2-Dichloroethane	BQL	BQL	0.2	0.01
5	1,2-Dichloropropane	BQL	BQL	1.0	0.02
6	1,1,2,2-Tetrachloroethane	BQL	BQL	0.1	0.001
7	2-Butanone (MEK)	0.18	0.18	80.	1,000,000 <sub>1</sub>
8	2-Chloroethyl vinyl ether	BQL	BQL	NL	51,000 <sub>1</sub>
9	2-Hexanone	0.0012	0.0012	NL	NL
10	4-Methyl-2-pentanone (MIBK)	0.0066	0.0066	NL	160,000 <sub>1</sub>
11	Acetone	0.007	0.13	140.	8.
12	Acrolein	BQL	BQL	NL	41,000 <sub>1</sub>
13	Benzene	BQL	BQL	0.2	0.02
14	Bromoform	BQL	BQL	NL	0.5
15	Bromomethane	BQL	BQL	NL	0.1
16	Bromodichloromethane	BQL	BQL	NL	0.3
17	Carbon disulfide	0.0015	0.0015	NL	14.
18	Carbon tetrachloride	BQL	BQL	NL	0.03
19	Chlorobenzene	0.0013	0.0013	20	0.6
20	Chloroform	0.11	0.11	1.2	0.3
21	Chloroethane	BQL	BQL	NL	33.
22	Chloromethane	BQL	BQL	NL	0.0066
23	Cis-1,2-Dichloroethene	BQL	BQL	14.	0.2
24	Cis-1,3-Dichloropropene	BQL	BQL	0.1	0.001
25	Dibromochloromethane	BQL	BQL	0.1	NL
26	1,1-Dichloroethane	BQL	BQL	14.	11.
27	Ethylbenzene	0.05	0.05	10.1	5.
28	Methylene Chloride	0.002 (J)	0.003 (J)	1.0	0.01
29	Styrene	0.01	0.01	20.	2.
30	Tetrachloroethene	0.26	0.26	1.	0.04
31	Toluene	0.0016	0.0016	67.	5.
32	Trans-1,2-Dichloroethene	BQL	BQL	20	0.3
33	Trans-1,3-Dichloropropene	BQL	BQL	0.1	0.001
34	Trichloroethene	0.11	0.11	1.0	0.02
35	Xylenes (total)	0.1	0.1	19.5	74.
36	Vinyl Acetate	BQL	BQL	NL	84.
37	Vinyl Chloride	BQL	BQL	0.40	0.01
<b>Semi-Volatiles</b>					
38	2,4-Dichlorophenol	BQL	BQL	4.	0.5
39	2,6-Dichlorophenol	BQL	BQL	NL	NL
40	2-Methylnaphthalene	0.033	0.033	NL	NL
41	2,4,5-Trichlorophenol	BQL	BQL	NL	120.
42	2,4,6-Trichlorophenol	BQL	BQL	NL	0.06

**A Comparison of Soil Constituent Concentrations  
to Applicable Cleanup Standards**

Inorganics					
130	Cyanide, Total	5.8	5.8	NL	NL
131	Cyanide, leachable	NA	NA	2. by SPLP	41,000. <sub>2</sub>
132	Sulfide, Total	15.	30.	NL	NL

Notes:

All units are mg/kg unless noted otherwise.

- NA - Not analyzed
- NL - Not listed in agency risk guidance
- BQL - Below Method Detection Limit
- 1 - Soil ingestion, industrial, risk-based concentration
- 2 - As free cyanide, soil ingestion, industrial, risk-based concentration
- 3 - Cr<sup>+6</sup> criterion
- 4 - De facto residential soil value
- 5 - As endosulfan
- 6 - DEP standard lists only total PCBs

\* December 1995 State of Connecticut Remediation Standards, under section 22a-430 of the General Statutes; Pollutant Mobility Criteria for Soil, GB Mobility Criteria.

\*\* EPA Region III Risk-Based Concentration Table, July - December 1995; from Roy L. Smith, Office of RCRA, Technical and Program Support Branch (3HW70).  
Soil Screening Levels - Transfers from Soil to Groundwater.

Shaded cells represent exceedences of either a state or federal clean-up standard.

**Table 2**

**Additional Parameters for Toxicity Characteristic Determination**

No.	Compound	CT GB Mobility Standard *	EPA Risk-Based Standard **	TC Regulatory Level
1	Chlordane	0.066	2.	0.03
2	o-Cresol	NL	NL	200.0
3	m-Cresol	NL	NL	200.0
4	p-Cresol	NL	NL	200.0
5	Cresol	NL	NL	200.0
6	1,4-Dichlorobenzene	15.	1.	7.5
7	2,4-Dinitrotoluene	NL	0.2	0.13
8	Endrin	NL	0.4	0.02
9	Hexachlorobenzene	1.	0.8	0.13
	Hexachlorobutadiene	NL	0.1	0.5
10	Hexachloroethane	1.	0.2	3.0
11	Pentachlorophenol	1.	0.2	100.0
12	Pyridine	NL	2,000 <sup>1</sup>	5.0
13	Toxaphene	NL	0.04	0.5

Notes:

All units are mg/kg unless noted otherwise.

- NL - Not listed in agency risk guidance
- 1 - Soil ingestion, industrial, risk-based concentration

\* December 1995 State of Connecticut Remediation Standards, under section 22a-430 of the General Statutes; Pollutant Mobility Criteria for Soil, GB Mobility Criteria.

\*\* EPA Region III Risk-Based Concentration Table, July - December 1995; from Roy L. Smith, Office of RCRA, Technical and Program Support Branch (3HW70).  
Soil Screening Levels - Transfers from Soil to Groundwater.

# ENVIRITE CORPORATION

TECHNOLOGY FOR THE ENVIRONMENT

August 28, 1996

Mr. Raphael J. Cody  
U.S. Environmental Protection Agency  
Office of Site Remediation and Restoration  
Corrective Action Section  
J.F.K. Federal Building, HRP-CAN 1  
Boston, MA 02203-0001

**Re: Underground Storage Tank (UST) Removal Workplan: Supplementary Information; RCRA Docket I-90-1032**

Dear Mr. Cody,

The purpose of this letter is to follow up on our August 28 telephone conversation wherein I provided you with supplemental information concerning Envirite's UST removal workplan. (The Agency approved the plan by its letter dated July 29, 1996.) This additional information relates to two subjects: the west UST's contents; and an additional set of remediation standards that Envirite intends to use in determining the disposition of excavated soils.

## Contents of the West UST

When we submitted our workplan to the Agency for final approval we believed that the west UST had previously been filled with sand. (See section III, paragraphs 7 and 10 of the workplan.)

When conducting quarterly groundwater sampling at our site on July 1, 1996 we also sampled the west UST via a pipe protruding above ground level. We discovered that the tank apparently had not been filled with sand, but rather it was full of liquid. We submitted the liquid sample for laboratory analysis. The results (enclosed) indicate that the material is acidic. Additional details are contained in the attached analytical report. We believe that the lab data are valid; therefore, unless the Agency objects, we plan to use these data in lieu of sampling and analyzing the west UST's contents when excavation operations commence in the near future. We will convey this analytical information to any contractor that we engage for the UST removal project.

Please note that the Agency-approved workplan provides for the sampling and disposal of any liquid that may be encountered during the course of tank removal operations. (See workplan sections IV.D.5, V.E, and VII.) As we discussed, because the workplan provides for the management of liquid, there is no apparent need for Envirite to re-submit the plan for Agency re-approval.

Mr. Raphael J. Cody  
August 30, 1996  
page 2 of 2

Remediation Standards

The approved workplan provides that soils removed from each UST area will be returned to the excavation, provided there is no visible staining and targeted parameter concentrations in the soil do not exceed the cleanup thresholds established by State of Connecticut GB Mobility Criteria for Soils and U.S. EPA Risk Based Concentration Table — July-December, 1995.<sup>1</sup> However, as a result of discussions that Envirite had with the Connecticut Department of Environmental Protection in the latter part of July, 1996 we now believe it prudent to use an additional set of cleanup criteria in determining the disposition of excavated soils, namely State of Connecticut Industrial/Commercial Criteria for Direct Exposure to Soil.<sup>2</sup>

For all parameters subject to analysis during the UST project, the “direct exposure” criteria are more stringent for total arsenic, total beryllium, and total copper than Connecticut’s GB Soil Mobility standards and the thresholds established in the referenced EPA Risk-Based Concentration Table. Consequently, application of the direct exposure criteria to the UST removal project enhances protection of human health and the environment, and does not adversely impact the provisions established in Envirite’s approved workplan. Accordingly, there is no need for Envirite to re-submit the plan for Agency re-approval

Enclosed for your files is a document entitled “Table 1 A Comparison of Soil Constituent Concentrations to Applicable Cleanup Standards.” This document amends Table 1 in Appendix B of the approved workplan by adding an additional column. This additional column specifies (for each relevant parameter) the limits expressed in Connecticut’s Industrial/Commercial for Direct Exposure to Soil remediation standards. Envirite will use this table in determining the ultimate disposition of excavated soils.

Please do not hesitate to contact me, should you have any further questions or comments. Thank you for your consideration in this matter.

Very truly yours,



William R. McTigue, Jr.  
Director, Environmental Affairs

cc: C. Brammer, D. Duva, T. Griffith, F. Marrazza, T. McCrum, T. Mueller

<sup>1</sup>: Connecticut’s cleanup standards: GB Soil Mobility Criteria as codified in The Regulations of Connecticut State Agencies, section 22a-133k-1. EPA’s cleanup standards: “Risk-Based Concentration Table — July-December 1995” dated October 20, 1995 and written by Roy L. Smith, Ph.D., Office of RCRA, Technical & Program Support Branch, U.S. Environmental Protection Agency, Region III. For materials that must be disposed off-site, Envirite will comply with all applicable federal and state regulations.

<sup>2</sup> As codified in The Regulations State of Connecticut State Agencies Appendix A to sections 22a -133k-1 through 22a 133k-3.

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 07/01/1996  
 Sample Description: West Tank  
 EAS Project Number: 0745-96  
 EAS Sample Number: 9603408  
 Date Sample Received: 07/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Cyanide, Reactive	BQL	10.	mg/L	07/08/96
Flashpoint	> 100		°C	07/10/96
pH	1.3			07/03/96
Sulfide, Reactive	BQL	10.	mg/L	07/12/96
Leachable Metals Digestion - Method SW846				07/12/96
Silver, Leachate	1.1	0.30	mg/L	07/12/96
Arsenic, Leachate	0.63	0.20	mg/L	07/12/96
Barium, Leachate	BQL	5.0	mg/L	07/12/96
Cadmium, Leachate	13.	1.0	mg/L	07/12/96
Chromium, Leachate	920.	40.	mg/L	07/12/96
Mercury, Leachate	0.26	0.050	mg/L	07/12/96
Lead, Leachate	39.	0.60	mg/L	07/12/96
Selenium, Leachate	BQL	0.50	mg/L	07/12/96
Aqueous TCLP Herbicide Extraction - Method SW-846-8150				07/08/96
TCLP for Herbicides - Method SW-846-8000				
2,4,5-TP (Silvex)	BQL	10.	ug/L	07/15/96
2,4-D	BQL	10.	ug/L	07/15/96
Aqueous TCLP Pesticide Extraction - Method 608/8080				07/01/96
TCLP for Pesticides - Method SW-846-8000				
Chlordane	BQL	25.	ug/L	07/18/96
Endrin	BQL	4.0	ug/L	07/18/96
Heptachlor	BQL	4.0	ug/L	07/18/96
Heptachlor epoxide	BQL	4.0	ug/L	07/18/96
Methoxychlor	BQL	4.0	ug/L	07/18/96
Toxaphene	BQL	50.	ug/L	07/18/96
g-BHC (Lindane)	BQL	4.0	ug/L	07/18/96
Aqueous TCLP BNA Extraction - Method SW-846				07/01/96
TCLP Leachate for Semi-VOC's - Method SW-846-8000				
1,4-Dichlorobenzene	BQL	20.	ug/L	07/08/96
2,4,5-Trichlorophenol	BQL	20.	ug/L	07/08/96
2,4,6-Trichlorophenol	BQL	20.	ug/L	07/08/96
2,4-Dinitrotoluene	BQL	20.	ug/L	07/08/96
Total Cresol	BQL	60.	ug/L	07/08/96
Hexachlorobenzene	BQL	20.	ug/L	07/08/96
Hexachlorobutadiene	BQL	20.	ug/L	07/08/96
Hexachloroethane	BQL	20.	ug/L	07/08/96

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 07/01/1996  
 Sample Description: West Tank  
 EAS Project Number: 0745-96  
 EAS Sample Number: 9603408  
 Date Sample Received: 07/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
m-Cresol	BQL	20.	ug/L	07/08/96
Nitrobenzene	BQL	20.	ug/L	07/08/96
o-cresol	BQL	20.	ug/L	07/08/96
p-Cresol	BQL	20.	ug/L	07/08/96
Pentachlorophenol	BQL	100.	ug/L	07/08/96
Pyridine	BQL	20.	ug/L	07/08/96
TCLP Leachate for VOC's - Method SW-846-8000				
1,1-Dichloroethene	BQL	0.10	mg/L	07/15/96
1,2-Dichloroethane	BQL	0.10	mg/L	07/15/96
Benzene	BQL	0.10	mg/L	07/15/96
Carbon tetrachloride	BQL	0.10	mg/L	07/15/96
Chloroform	BQL	0.10	mg/L	07/15/96
Chlorobenzene	BQL	0.10	mg/L	07/15/96
2-Butanone (MEK)	BQL	0.10	mg/L	07/15/96
Tetrachloroethylene	0.16	0.10	mg/L	07/15/96
Trichloroethylene	1.3	0.10	mg/L	07/15/96
Vinyl chloride	BQL	0.10	mg/L	07/15/96

BQL = Below Quantitation Limit

\* Certification \*

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
2. Clean Water Act, List of Approved Test Procedures, 40 CFR.
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987.

## Envirite Corporation UST Removal Workplan

**Table 1 of Appendix B (Revised August 30, 1996)**

**Comparing Soil Constituent Concentrations to Applicable Cleanup Standards (p. 1 of 4)**

No	Compound	Min. Conc. Detected	Max. Conc. Detected	CT GB Mobility Std. *	CT Industl. Dir.Exp.**	EPA Risk-Based Levels ***
<b>Volatile Compounds</b>						
1	1,1,1-Trichloroethane	0.0083	0.0083	40.	1,000.	0.9
2	1,1,2-Trichloroethane	BQL	BQL	1.	100.	0.01
3	1,1-Dichloroethene	0.0005	0.0005	1.4	9.5	0.03
4	1,2-Dichloroethane	BQL	BQL	0.2	63.	0.01
5	1,2-Dichloropropane	BQL	BQL	1.0	84.	0.02
6	1,1,2,2-Tetrachloroethane	BQL	BQL	0.1	29.	0.001
7	2-Butanone (MEK)	0.18	0.18	80.	1,000.	1,000,000 <sub>1</sub>
8	2-Chloroethyl vinyl ether	BQL	BQL	NL	NL	51,000 <sub>1</sub>
9	2-Hexanone	0.0012	0.0012	NL	NL	NL
10	4-Methyl-2-pentanone (MIBK)	0.0066	0.0066	14.	1,000.	160,000 <sub>1</sub>
11	Acetone	0.007	0.13	140.	1,000.	8.
12	Acrolein	BQL	BQL	NL	NL	41,000 <sub>1</sub>
13	Benzene	BQL	BQL	0.2	200.	0.02
14	Bromoform	BQL	BQL	NL	720.	0.5
15	Bromomethane	BQL	BQL	NL	NL	0.1
16	Bromodichloromethane	BQL	BQL	NL	NL	0.3
17	Carbon disulfide	0.0015	0.0015	NL	NL	14.
18	Carbon tetrachloride	BQL	BQL	1.	44.	0.03
19	Chlorobenzene	0.0013	0.0013	20	1,000.	0.6
20	Chloroform	0.11	0.11	1.2	940.	0.3
21	Chloroethane	BQL	BQL	NL	NL	33.
22	Chloromethane	BQL	BQL	NL	NL	0.0066
23	Cis-1,2-Dichloroethene	BQL	BQL	14.	1,000.	0.2
24	Cis-1,3-Dichloropropene	BQL	BQL	0.1	32.	0.001
25	Dibromochloromethane	BQL	BQL	0.1	68.	NL
26	1,1-Dichloroethane	BQL	BQL	14.	1,000.	11.
27	Ethylbenzene	0.05	0.05	10.1	1,000.	5.
28	Methylene Chloride	0.002 (J)	0.003 (J)	1.0	760.	0.01
29	Styrene	0.01	0.01	20.	1,000.	2.
30	Tetrachloroethene	0.26	0.26	1.	110.	0.04
31	Toluene	0.0016	0.0016	67.	1,000.	5.
32	Trans-1,2-Dichloroethene	BQL	BQL	20	1,000.	0.3
33	Trans-1,3-Dichloropropene	BQL	BQL	0.1	32.	0.001
34	Trichloroethene	0.11	0.11	1.0	520.	0.02
35	Xylenes (total)	0.1	0.1	19.5	1,000.	74.
36	Vinyl Acetate	BQL	BQL	NL	NL	84.
37	Vinyl Chloride	BQL	BQL	0.40	3.	0.01
<b>Semi-Volatiles</b>						
38	2,4-Dichlorophenol	BQL	BQL	4.	2,500.	0.5
39	2,6-Dichlorophenol	BQL	BQL	NL	NL	NL

**Envirite Corporation UST Removal Workplan**

**Table 1 of Appendix B (Revised August 30, 1996)**

**Comparing Soil Constituent Concentrations to Applicable Cleanup Standards (p. 2 of 4)**

No	Compound	Min. Conc. Detected	Max. Conc. Detected	CT GB Mobility Std. *	CT Industl. Dir.Exp.**	EPA Risk-Based Levels ***
40	2-Methylnaphthalene	0.033	0.033	NL	NL	NL
41	2,4,5-Trichlorophenol	BQL	BQL	NL	NL	120.
42	2,4,6-Trichlorophenol	BQL	BQL	NL	NL	0.06
43	Acenaphthene	BQL	BQL	84.	2,500.	200.
44	Anthracene	0.019	0.019	400.	2,500.	4,300.
45	Benzo(a)pyrene	0.1	0.1	1.	1.	4.
46	Benzo(b)fluoranthene	0.089	0.089	1.	7.8	4.
47	Benzo(k)fluoranthene	0.1	0.1	1.	78.	4.
48	Bis(2-ethylhexyl)phthalate	0.16	0.31	11.	410.	11.
49	Butylbenzylphthalate	0.029	0.029	200.	1,000.	68.
50	2-Chlorophenol	BQL	BQL	7.2	2,500.	2.
51	Diethylphthalate	BQL	0.041 (J)	NL	NL	110.
52	Di-n-butylphthalate	0.03 (J)	0.650 (J)	140.	2,500.	NL
53	Di-n-octylphthalate	0.041 (J)	0.041 (J)	20.	2,500.	1,000,000
54	Dibenzofuran	0.02	0.02	NL	NL	120.
55	Diethylphthalate	15 (J)	61 (J)	NL	NL	110.
56	Fluoranthene	0.01	0.21	56.	2,500	980.
57	Fluorene	0.02	0.02	56.	2,500	160.
58	Naphthalene	0.015	0.015	56.	2,500	30.
59	N-Nitrosodiphenylamine	BQL	BQL	NL	NL	0.2
60	N-Nitrosodimethylamine	BQL	BQL	NL	NL	0.11 <sub>1</sub>
61	Phenanthrene	0.011 (J)	0.12	40.	2,500.	NL
62	Pyrene	0.010 (J)	0.16	40.	2,500.	1,400.
<b>Pesticides &amp; PCBs</b>						
63	Alpha-BHC	NA	NA	NL	NL	0.0004
64	Beta-BHC	BQL	BQL	NL	NL	0.002
65	Delta-BHC	0.0011	0.0011	NL	NL	NL
66	Gamma-BHC (Lindane)	0.0005	0.001	0.04	610.	0.006
67	Heptachlor	BQL	BQL	0.013	NL	0.06
68	Aldrin	BQL	BQL	NL	NL	0.005
69	Heptachlor Epoxide	BQL	BQL	0.02	0.63	0.03
70	Dalapon	BQL	BQL	NL	NL	61,000 <sub>1</sub>
71	Dieldrin	BQL	BQL	0.007	0.36	0.001
72	Dinoseb	BQL	BQL	NL	NL	2,000 <sub>1</sub>
73	4,4-DDE	BQL	BQL	NL	NL	0.5
74	4,4-DDT	0.0005	0.0005	NL	NL	1.
75	Endosulfan I	BQL	BQL	NL	NL	3. <sub>5</sub>
76	Endosulfan II	BQL	BQL	NL	NL	3. <sub>5</sub>
77	4,4-DDD	BQL	BQL	NL	NL	0.7
78	Endosulfan Sulfate	BQL	BQL	NL	NL	NL
79	Methoxychlor	BQL	BQL	8.	10,000.	62.
80	Endrin Aldehyde	BQL	BQL	NL	NL	NL

## Envirite Corporation UST Removal Workplan

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Table 1 of Appendix B (Revised August 30, 1996))

## Comparing Soil Constituent Concentrations to Applicable Cleanup Standards (p. 3 of 4)

No	Compound	Min. Conc. Detected	Max. Conc. Detected	CT GB Mobility Std. *	CT Industl. Dir. Exp. **	EPA Risk-Based Levels ***
81	Gamma-Chlordane	BQL	BQL	NL	NL	2.
82	Tetrachloro-m-xylene	BQL	BQL	NL	NL	NL
83	Decachlorobiphenyl (PCBs)	BQL	BQL	0.005 <sub>6</sub>	10.	NL
84	Aroclor 1242	BQL	BQL	NL	NL	NL
85	Aroclor 1254	0.0077	0.021	NL	NL	41. <sub>1</sub>
86	Aroclor 1260	BQL	BQL	NL	NL	NL
<b>Herbicides</b>						
87	2,4-D	BQL	BQL	14.	20,000.	1.7
88	2,4-DB	BQL	BQL	NL	NL	16,000 <sub>1</sub>
89	2,4,5-TP (Silvex)	BQL	BQL	NL	NL	16,000 <sub>1</sub>
90	2,4,5-T	BQL	BQL	NL	NL	20,000 <sub>1</sub>
91	Dicamba	BQL	BQL	NL	NL	61,000 <sub>1</sub>
92	Dichloroprop	BQL	BQL	NL	NL	NL
93	MCPA	BQL	BQL	NL	NL	1,000 <sub>1</sub>
94	MCPP	BQL	BQL	NL	NL	2,000 <sub>1</sub>
<b>Total Petroleum Hydrocarbons (TPH)</b>						
95	TPH, by EPA Method 418.1	NA	NA	2,500	2,500.	NL
<b>Metals</b> <span style="float: right;">Leachable units are mg/l</span>						
96	Antimony, total	BQL	BQL	NL	8,200.	820 <sub>1</sub>
97	Antimony, leachable	BQL	BQL	0.06		NL
98	Arsenic, total	0.26	0.28	NL	10.	15.
99	Arsenic, leachable	BQL	BQL	0.5		NL
100	Barium, total	23.	87.	NL	140,000.	32.
101	Barium, leachable	BQL	BQL	10.0		NL
102	Beryllium, total	0.6	0.62	NL	2.	180
103	Beryllium, leachable	BQL	BQL	0.04		NL
104	Cadmium, total	1.1	1.1	NL	1,000.	6.
105	Cadmium, leachable	BQL	BQL	0.05		NL
106	Chromium, total	8.4	50.	NL	51,000.	19. <sub>3</sub>
107	Chromium, leachable	BQL	BQL	0.5		NL
108	Cobalt, total	4.0	8.8	NL	NL	120,000 <sub>1</sub>
109	Cobalt, leachable	BQL	BQL	NL		NL
110	Copper, total	27.	110	NL	76,000.	82,000 <sub>1</sub>
111	Copper, leachable	BQL	BQL	13.		NL
112	Lead, total	1.6	14.	NL	1,000.	400. <sub>4</sub>
113	Lead, leachable	BQL	BQL	0.15		NL
114	Mercury, total	BQL	BQL	BQL	610.	3.
115	Mercury, leachable	BQL	BQL	0.02		NL
116	Nickel, total	9.6	19.	BQL	7,500.	21.
117	Nickel, leachable	BQL	BQL	1.0		NL
118	Selenium, total	BQL	BQL	BQL	10,000.	3.
119	Selenium, leachable	BQL	BQL	0.5		NL
120	Silver, total	0.60	1.2	NL	10,000.	10,000 <sub>1</sub>

## Envirite Corporation UST Removal Workplan

**Table 1 of Appendix B (Revised August 30, 1996))**

**Comparing Soil Constituent Concentrations to Applicable Cleanup Standards (p. 4 of 4)**

No	Compound	Min. Conc. Detected	Max. Conc. Detected	CT GB Mobility Std. *	CT Industl. Dir.Exp.**	EPA Risk-Based Levels ***
121	Silver, leachable	BQL	BQL	0.36		NL
122	Thallium, total	BQL	BQL	NL	160.	0.4
123	Thallium, leachable	BQL	BQL	0.05		NL
124	Tin, Total	BQL	BQL	NL	NL	1,000,000 <sub>1</sub>
125	Tin, Leachable	BQL	BQL	NL		NL
<b>Inorganics</b>						
126	Vanadium, total	33.	40.	NL	14,000.	14,000 <sub>1</sub>
127	Vanadium, leachable	BQL	BQL	0.50		NL
128	Zinc, total	29.	83.	NL	610,000.	42,000
129	Zinc, leachable	0.062	0.080	50.		NL
130	Cyanide, Total	5.8	5.8	NL	41,000	41,000. <sub>2</sub>
131	Cyanide, leachable	NA	NA	2. by SPLP		
132	Sulfide, Total	15.	30.	NL	NL	NL

**Notes:**

All units are mg/kg unless noted otherwise.

- NA - Not analyzed
- NL - Not listed in agency risk guidance
- BQL - Below Method Detection Limit
- 1 - Soil ingestion, industrial, risk-based concentration
- 2 - As free cyanide, soil ingestion, industrial, risk-based concentration
- 3 - Cr<sup>+6</sup> criterion
- 4 - De facto residential soil value
- 5 - As endosulfan
- 6 - DEP standard lists only total PCBs

\* December 1995 State of Connecticut Remediation Standards, section 22a-430 of the General Statutes; Pollutant Mobility Criteria for Soil, GB Mobility Criteria.

\*\* December 1995 State of Connecticut Remediation Standards, section 22a-430 of the General Statutes; Direct Exposure Criteria for Soil, Industrial/Commercial

\*\*\* EPA Region III Risk-Based Concentration Table, July - December 1995; from Roy L. Smith, Office of RCRA, Technical and Program Support Branch (3HW70).  
Soil Screening Levels - Transfers from Soil to Groundwater.

Shaded cells represent exceedences of either a State or Federal clean-up standard.

# ENVIRITE CORPORATION

TECHNOLOGY FOR THE ENVIRONMENT

September 5, 1996

Mr. Raphael J. Cody  
U.S. Environmental Protection Agency  
Office of Site Remediation & Site Restoration  
Corrective Action Section -HBT  
J.F.K. Federal Building  
Boston, MA 02203-0001

**Re: Underground Storage Tank (UST) Removal Workplan: Revised Document;  
RCRA Docket I-90-1032**

Dear Mr. Cody,

In correspondence to you last week I provided supplemental information relating to Envirite's UST workplan. In particular, I advised you that Envirite discovered that the west UST contains an acidic liquid (rather than sand, as previously thought) and that Envirite will use Connecticut's Industrial/Commercial Direct Exposure to Soil Criteria in addition to the other two remediation standards mentioned in the workplan. In the interest of assuring that the administrative record reflects this supplemental information as clearly as possible, I hereby provide you with a revised version of the workplan, which shows all changes made to reflect the supplemental information.

Revisions are shown on the following pages of the revised workplan: 7, 9, 12, 13, 15, and Appendix B. Appendix C, which contains the analytical results relating to the west UST's contents is new. Obsolete language in the original workplan is marked with a strikethrough line (e.g. ~~strikethrough~~). New verbiage is indicated by typeface in small caps (e.g. SMALL CAPS). Please note that each numbered page of the revised workplan contains a footer showing a revision date of "Sept. 5, 1996."

Should you have any questions, please do not hesitate to contact either John Krupa at (860) 274-3789 or me at (610) 828-8655.

Thank you for your attention in this matter.

Very truly yours,



William R. McTigue, Jr.  
Director, Environmental Affairs

cc: C. Brammer D. Duva, T. Griffith, F. Marrazza, T. McCrum, T. Mueller

**Workplan**

**Excavation and Removal of  
Underground Spill Containment Tanks**

Envirite Corporation  
Thomaston, Connecticut

**Docket No. I-90-1032**

**Amended Through September 5, 1996**

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APPENDIX C:	West UST's Constituent Concentraions

**Envirite Corporation**  
Thomaston, Connecticut

RCRA Facility Investigation, Docket No. I-90-1032

**Statement of Work for Removal of USTs**

**PREFACE**

This Statement of Work (work plan) sets forth the objectives and other relevant details concerning the removal of two underground storage tanks (USTs) from Envirite's site located in Thomaston CT. The site is the subject of a RCRA corrective action, as explained in EPA's November 13, 1990 correspondence addressed to Envirite. The letter includes as an attachment a Consent Order between EPA and Envirite, which was fully executed on November 8, 1990. A requirement of the Consent Order is that Envirite prepare an RFI Phase I Interim Report.

In its letter to Envirite dated April 25, 1996 EPA provides final comments regarding Envirite's RFI Phase I Interim Report (RFI Interim Report). In this letter EPA sets forth a schedule of activities that must next be completed. One set of these scheduled activities is described as Interim Measures (IM) involving the removal of two obsolete underground storage tanks.

Consistent with the schedule and comments in EPA's April 25, 1996 letter, this work plan describes the methods that Envirite will implement to assure that the tank removal activities achieve the IM objectives.

## **I. OBJECTIVES**

This workplan's objectives are as follows:

- to excavate and remove two USTs;
- to collect representative samples of the USTs' contents and surrounding soils;
- to provide for chemical constituent analysis of such samples;
- to compare analytical results to applicable federal and state cleanup standards and, if appropriate, waste disposal regulations; and
- to assure that all materials relating to the excavations are managed in conformance with federal and state cleanup standards and, if appropriate, applicable waste disposal requirements.

## **II. ADMINISTRATIVE NOTES**

The tank removals will be conducted as Phase II work activities as described in the Consent Order, due to their investigatory nature and their potential impact on completion of the final Public Health and Environmental Risk Evaluation (PHERE). Information obtained from the tank removal operations will be summarized in the "Interim Measures" section of the supplement to the RFI Phase I Interim Report. All information concerning the removal activities will conform with the administrative and specific data requirements of the Consent Order.

Each tank is considered a separate Area of Concern (AOC). Since the tanks' removal requires independent excavations, each AOC will be deemed a separate Interim Measure (IM).

The Consent Order specifies that each IM requires its own performance and reporting standards. As indicated in the Agency's April 25, 1996 final comments, each IM can be addressed within a single IM section of the RFI Supplement. The specific performance standards for each IM address tank removal, sampling and analysis of soils and tank contents, comparison of analytical data to applicable cleanup and/or waste disposal requirements, and appropriate disposition of all excavated materials.

### **III. CHARACTERIZATION OF THE UST SETTING**

The two underground tanks were installed when the processing building was constructed in 1975. They flank the east and west perimeters of the processing building's unloading area, which is adjacent to the building's south wall. The UST locations are depicted on Figure 1 and Figure 2 of this work plan.

The purpose of the tanks was to supplement the spill collection capacity of the unloading area, which was used for receiving cargo tanks containing hazardous waste. These USTs were installed for the purpose of collecting liquid from any chemical spillage and precipitation that contacted the pads. The tanks were not used to store any type of product.

Each tank is constructed of fiberglass reinforced plastic (FRP). It is estimated that each tank's diameter is six feet and its height is five feet, yielding a capacity of approximately one-thousand and fifty gallons.<sup>1</sup> The tanks' tops are approximately five feet below grade. It is believed that each tank is vertically placed, which means that each tank bottom is approximately ten feet below grade.

Each tank received precipitation in the form of stormwater from the designated unloading area. These unloading areas are comprised of eight-inch thick concrete, coated with an impervious, chemical resistant coating. The surface of the two unloading areas was pitched toward the center and drained into a 4-inch, schedule 40 PVC pipe which traversed beneath the unloading area and entered a "T" connection mounted in the UST's top. The liquid flowed through the pipe and into the tank by gravity. The alkaline pad was piped to the east UST, while the acid pad was piped to the west UST. Reportedly, liquid from each UST was evacuated regularly by facility personnel. A pipe was connected to the other end of the "T" connection in the tank's top. It extended southward approximately fifty feet underground and emptied into a dry well. (See section 8.1.3, Table 9-7 and Table 9-8 in Volume I of the RFI Interim Report for a summary of the investigatory findings relating to the dry well that served each tank.)

Each tank is in an unpaved area that is approximately twenty-three feet long and ten feet wide. The tank areas begin near the middle of the unloading area's fifty foot side line and extend approximately twenty-three feet southward (i.e., away from the building). The area surrounding each UST is paved with either asphalt or concrete. The unloading area extends southward fifty feet beyond the processing building's south wall and is approximately 80 feet wide.

The bottom wall (or floor) of each tank installation is native soil and is relatively close to groundwater. Measurements taken at MW-51D during the months of April, October, and December, 1994 indicate a depth-to-groundwater range of 15.35 to 16.14 feet, as reported in the RFI Interim Report. Measurements of MW-51D taken during the previous year indicate groundwater depth within a range of fourteen to twenty feet. The entry to MW-51D is at approximately the same elevation (within one foot or so) of the top of each UST area. This information indicates that each tank's bottom could be as close as three to four feet above groundwater.

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<sup>1</sup> Volume I, Section 8.1.2 of Envirite's RFI Interim Report dated March, 1995 estimates each tank's volume to be approximately 500 gallons. In preparing this workplan Envirite has discovered a sketch indicating that each tank's volume is approximately 1,050 gallons.

Around 1980 part of the unloading area was reconstructed to cause liquid to flow toward the processing building. During construction, part of the pad was demolished, and the exposed portion of each UST's inlet pipe was crushed in place. Pipes connecting the unloading area to the processing building's secondary containment systems were installed. The area was re-paved with concrete. ~~Concurrently, remaining liquid in each UST was removed.~~

In 1990, after the facility stopped receiving waste from off-site, the depressed areas of the acid and alkaline pads were backfilled and then capped with asphalt paving to prevent stormwater from draining toward and into the building; hence, the unloading area was made level.

In 1994, the paving and fill material were removed from the acid unloading pad to restore the pad as a sump. An acid-resistant coating was then applied to it. The acid pad once again drains into a secondary containment system inside the processing building. The alkaline pad remains paved and level.

Prior to the RFI Interim Report there was some uncertainty as to the exact orientation of the tanks. Therefore, a back-hoe was used during the RFI Phase I sampling program to excavate the east UST area. Excavation at the east tank revealed that, at some time in the past, the tank had been crushed in place, and that the excavation had been back-filled with soil. The west tank appears to have been filled with sand and left in place. Adjacent soils are sand-like in consistency with gravel dispersed throughout. Soils near the bottom of the tanks are of a denser consistency.

WHEN CONDUCTING QUARTERLY GROUNDWATER SAMPLING ONSITE ON JULY 1, 1996 THE WEST UST WAS SAMPLED VIA A PIPE PROTRUDING ABOVE GROUND LEVEL. IT WAS DISCOVERED THAT THE TANK APPARENTLY HAD NOT BEEN FILLED WITH SAND, BUT RATHER IT WAS FULL OF LIQUID. LAB ANALYSIS OF THE LIQUID SAMPLE INDICATES THAT THE MATERIAL IS ACIDIC. ADDITIONAL DETAILS ARE CONTAINED IN THE ANALYTICAL REPORT PRESENTED IN APPENDIX C OF THIS PLAN.

There are no underground or above ground utilities or appurtenances in the immediate vicinity of the USTs, nor are there any groundwater monitoring wells or power lines in the immediate area of the proposed excavations.

On May 10, 1996 Envirite sold the portion of the site on which the USTs, processing building and all surrounding paved areas are located. This portion of the site — a total of one and nine-tenths acres — was purchased by Pure-Etch Company of Connecticut. According to the sale agreement, Pure-Etch is required to provide reasonable access to allow implementation of activities initiated in response to the Consent Order.

#### IV. SAMPLING PLAN

This sampling plan is applicable to each UST. It identifies the general locations for sample collection, and it describes the approach for determining whether individual or composite samples are to be submitted to the laboratory for analysis.<sup>2</sup>

Observations and analytical data generated from past sampling events and also visual observation of the tanks and vicinal soils during the prospective tank removal activities are both important factors in this plan's implementation. The extent of any soil contamination in each tank may be largely dependent upon these four factors: 1) tank's contents; 2) physical condition of tank and appurtenances; 3) proximity of soils to tank's exterior surfaces; and 4) types of soils and extent of soil stratification in each area. These factors will be considered when collecting samples. Accordingly, field personnel will maintain detailed notes, particularly concerning soil appearance, tank integrity, and other relevant observations which may yield information as to potential soil contamination.

Soil samples will be collected, and sampling devices will be decontaminated, in conformance with sampling protocols specified in chapters 9 and 10 of EPA Publication SW-846, third edition ("Test Methods for Evaluating Solid Waste, Physical/Chemical Methods").

##### A. Results of Previous Sampling Activities

As shown below, six soil samples were previously collected and analyzed from the two AOCs during Phase I RFI activities.

<u>Sample Date</u>	<u>Sample Location</u>
Nov. 16, 1994	T-3 (east tank)
Nov. 16, 1994	T-4 (east tank)
Feb. 8, 1995	T-1 (west tank)
Feb. 8, 1995	T-2 (west tank)
Feb. 8, 1995	T-5 (east tank)
Feb. 8, 1995	T-6 (east tank)

The primary purpose of these sampling events was to investigate and quantify constituents in the soils surrounding the USTs. Other than providing general background, the analytical results obtained from the sampling may be used in development of a project management plan for excavated tank soils as described in Section IV and VII of this workplan.

Copies of laboratory summaries and boring logs relating to the collection and analysis of samples T-1 through T-6 are provided in Appendix A of this workplan.

---

<sup>2</sup> As stated in Section II of this plan, each tank is considered a separate AOC and a distinct and separate IM. Therefore, samples collected from the east tank area will not be combined with samples collected from west tank area, and vice versa.

#### **IV. SAMPLING PLAN (cont'd)**

##### **B. Site-Specific Parameter List and Clean-Up Options**

Analysis of the samples collected during Phase I investigation activities targeted a specific set of parameters, generally referenced as the "site-specific parameter list." The list is comprised of 132 compounds and is attached to this workplan as Table 1 of Appendix B. A more detailed explanation as to the derivation of the table is provided at the beginning of Appendix B. Table 1 also includes the clean-up standards that will be used in evaluating the disposition of the excavated soils. These clean-up standards will be to meet the State of Connecticut GB Mobility Criteria for Soils **and** the U.S.EPA Risk-Based Concentration Table - July - December, 1995, AND STATE OF CONNECTICUT INDUSTRIAL/COMMERCIAL CRITERIA FOR DIRECT EXPOSURE TO SOIL.<sup>3</sup>

Some, but not all, samples that will be collected during the IM will be analyzed to determine the presence of any parameters identified on the site-specific parameter list. Analytical results for these samples will be compared to applicable cleanup standards. Also included in Appendix B is Table 2 which lists additional TC compounds (not included in Table 1) that will be analyzed, as necessary, for the purpose of waste characterization.

Under this statement of work Envirite does not plan to remove soils at a depth greater than thirteen feet below grade, unless visual observations and field screening techniques indicate the presence of additional contaminants. If Envirite suspects additional contamination, it will determine the efficacy of removing additional soil at that time. Also, Envirite does not intend to remove concrete or asphalt paving in the area surrounding the tanks. The foregoing widths and depths will be projected using best engineering judgment where there is evidence that a portion of a tank has deteriorated or collapsed.

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<sup>3</sup> For federal cleanup standards: "Risk-Based Concentration Table — July-December 1995" dated October 20, 1995 and written by Roy L. Smith, Ph.D., Office of RCRA, Technical & Program Support Branch, U.S. Environmental Protection Agency, Region III. For state cleanup standards: GB Soil Mobility Criteria AND INDUSTRIAL/COMMERCIAL DIRECT EXPOSURE CRITERIA as codified in The Regulations of Connecticut State Agencies, section 22a-133k-1 ET SEQ. For materials that must be disposed off-site, Envirite will comply with all applicable federal, and state regulations.

#### **IV. SAMPLING PLAN (cont'd.)**

##### **C. Conditions Applicable to All Samples**

This work plan requires that soil from various locations around the tank is sampled and that samples are collected from the tanks themselves. The following conditions apply to every sample that is collected in the field:

- Samples collected from one AOC will not be combined with samples taken from any other AOC.
- Samples shall be of such a mass or volume as to provide the laboratory with adequate sample for all required analyses and for archival purposes.
- Samples will be collected using a suitable device in a manner that takes into account environmental factors such as drying from exposure to sun and wind, etc.
- Samples will be screened in the field using a portable photoionization detector (PID) or flame ionization detector (FID). Sample results will be recorded in the field operative's notes.
- PID or FID field screening results will be noted on the chain of custody document that will accompany the sample containers to the lab.
- Samples submitted to the laboratory will be accompanied by notes indicating either the apparent absence or presence and extent of staining of the soil from which the sample was collected. The sample's color, physical state, and/or other descriptive features will be noted too.
- Material collected from each sampling location will be packaged in two separate containers: a two-hundred-and-fifty milliliter jar; and a one-hundred-and-twenty-five milliliter VOC jar. Sample material contained in the larger jar will be analyzed for site-specific parameters other than VOCs and/or the four hazardous waste characteristics other than VOCs. Samples from the VOC jar will be analyzed for VOCs. Upon receiving samples the lab will immediately prepare a composite sample, where applicable, from material in the 250 ml jar. This sample will be analyzed for all site-specific parameters other than VOCs and/or the four hazardous waste characteristics, including all constituents identified at 40 CFI 261.24 as being associated with the toxicity characteristic (TC).
- When filled, all containers will be labeled, packed in a cooler, and maintained at a temperature of approximately four degrees Celsius in accordance with standard laboratory and sampling practices.
- Upon receiving samples the lab will store the VOC jars in a refrigerator. Immediately before running the VOC analysis, the lab will when applicable, prepare a composite sample.
- Sampling will not be conducted prior to excavation for purposes of management of excavated soils as set forth in this workplan. This workplan establishes finite and discrete soil areas or "soil universes" in accordance with this managerial objective. Therefore, in accordance with the management of discrete "soil universes," a representative sample of any given soil universe for purposes of sampling will be based upon engineering estimates of the volume of soil removed from any "soil universe" with the exception of any soil which clearly exhibits contamination.

#### **IV. SAMPLING PLAN (cont'd.)**

##### **D. 1. Sampling of Soil Between Grade and the Top of the Tank ( 0 - 5 fbg)**

Each tank's top is estimated to be approximately five feet below grade (fbg). Accordingly, this section of the sampling plan separately addresses the soil between grade and approximately 5 fbg.<sup>4</sup>

Because it is unlikely that the soils above the tank could be impacted by any amount of tank leakage that may have occurred, and since Envirite believes it to be prudent and reasonable to consider using these soils to backfill the excavation where possible, soils between grade and 5 fbg will be sampled separately from other soils in the excavation area. Furthermore, should it be necessary to ship this material off site, this soil layer would fill one highway transport vehicle. Therefore, for managerial purposes, this portion of soil is considered a discrete sampling universe.

Assuming that each excavation opening will be at least ten feet square, approximately eighteen cubic yards of material will be removed before a tank's top is exposed. A total of eight representative samples will be collected from the excavated soil. Each sample will be collected to assure that it represents the sampling universe. Thus, Envirite anticipates one sample will be collected for approximately every two and one-third cubic yards of soil removed from this portion of the AOC. Therefore, it is anticipated that there will be sixteen containers for this sampling universe — that is, sixteen containers relating to the east tank and sixteen containers representing the west tank — will be submitted to the laboratory.

To assure that the soil is properly represented, sampling will not be conducted prior to excavation. Instead, during the course of the excavation, the excavation contractor will observe the soil for any trait indicating potential contamination. If the excavating contractor or field personnel detects staining or some other soil contamination, then he shall assure that these soils are appropriately represented.

##### **D.2. Sampling of Soil Surrounding the Tank (5 fbg and Below 5 fbg)**

This section addresses the soil surrounding the tank's surface area. Because soils touch the surface of the tank, this soil will be sampled as a discrete sampling universe.

Excluding the volume occupied by the tank (approximately five cubic yards) and, assuming that a ten-foot square opening is maintained from the tank's top to thirteen fbg, the volume of soil in this sampling universe is approximately twenty-four cubic yards. Notably, soils showing evidence of contamination will not be a part of this universe; they will be managed as provided in footnote 4 below.

Unlike the soil above the tank, the soil in this part of the excavation is presumably more susceptible to being affected by a breach of the tank and its appurtenances. Therefore, field personnel will be instructed to carefully observe for conditions suggesting potential soil contamination. Soils showing no evidence of contamination must be sampled in a representative manner similar to the approach described in subsections C and D.1 of this workplan.

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<sup>4</sup> Soils that are visually impacted will be segregated for shipment off site. Contents of shipping containers will be appropriately sampled and analyzed.

#### **IV. SAMPLING PLAN (cont'd.)**

The diameter of the tank is approximately six feet, and each tank's height is approximately five feet. Each tank bottom may be as close as four feet above groundwater. Therefore, removal of soil from each tank area will be limited to a depth of thirteen feet to avoid direct contact with groundwater, unless visual observations and field screening techniques indicate the presence of contaminants below thirteen feet. If contamination is suspected or observed below thirteen feet, Envirote will determine if additional soil removal is efficacious.

##### **D.3. Soil from Excavation's Sidewalls**

In each AOC (excavation) four sidewall samples will be collected. The purpose of sampling this soil is to evaluate the effectiveness of the IM in the targeted AOC and to assess the extent of possible soil contamination in the excavation's north, east, south, and west sidewalls.

As explained here, this workplan describes a sampling approach that differs slightly from the method described in section 10.2 of the RFI Interim Report. The Interim Report states that the sidewall sample locations will be along the tank's centerline. Envirote believes that visually observable soil staining in a given sidewall is the key criterion for selecting each sidewall sample. Absent visual staining, each sidewall sample will be collected along the tank's centerline, as described in section 10.2 of the Interim Report.

Each sidewall sample will be collected in such a manner as to represent possible soil contaminant concentrations. Envirote will decide at the time of excavation the appropriate lateral penetration of each sidewall sampling location. Envirote will base its decision upon the degree of soil staining in the targeted area.

For example, if there is no apparent staining, then a surficial sample along the tank's centerline will be collected. In such a case, soil will be scraped from the sidewall's surface, making reasonable efforts to not scrape soil beyond a one-inch depth, thus preventing possible dilution of contaminants by collecting too much soil. ~~On the other hand, if soil staining exists, then Envirote will visually determine the depth of such staining and will collect a sample extending to the stain's full depth.~~

In a case where soil staining on a sidewall is noted, the lab will produce analytical results pertaining to that particular sidewall. Samples which represent sidewalls exhibiting no obvious contamination will be composited. The laboratory will produce one data set for a composite sample.

##### **D. 4. Soil from the Bottom of the Excavation**

Two samples will be collected from the bottom of each tank excavation area after any apparently contaminated soil is removed from the excavation's bottom. Visual soil staining — if it exists — will be the primary criterion for selecting sample locations for each of the two samples collected from the excavation's bottom. With respect to determining sample depths, the same rationale described above for sidewall sampling applies to sampling the bottom of the excavation.

If there is no observable staining or other evidence that may suggest contamination, then soil will be collected from the entire area on which the tank bottom rested. When sampling a non-stained area,

#### **IV. SAMPLING PLAN (cont'd.)**

reasonable efforts will be made to assure that not more than one-inch of soil is scraped. Soils showing evidence of contamination will not be a part of this sampling universe; they will be managed as described in footnote 4 above.

##### **D. 5. USTs' Contents**

~~Any free liquid within each tank will be collected, and a sample will be drawn from this liquid.~~ A LIQUID SAMPLE COLLECTED FROM ONE TANK SHALL NOT BE COMBINED WITH A LIQUID SAMPLE TAKEN FROM ANOTHER TANK. AS NOTED IN SECTION III ABOVE THE WEST UST WAS NOTED TO CONTAIN LIQUID AND A SAMPLE WAS TAKEN FROM THIS TANK ON JULY 1, 1996. RESULTS OF THE ANALYSIS ARE CONTAINED IN APPENDIX C OF THIS PLAN.

Similarly, non-liquid material (including sludge) will be collected from each tank. Commingling of east tank and west tank samples is prohibited. However, based on its judgment based on observations during field operations, Envirite may choose to combine a liquid sample(s) and non-liquid sample(s) taken from the same tank.

## **V. PURPOSE OF SAMPLING AND DATA QUALITY OBJECTIVES**

The purpose of sampling will be to evaluate whether excavated and remaining soils exceed cleanup levels. If analytical results indicate that a cleanup level for any parameter has been exceeded, or should Envirite determine that the subject material will not be otherwise eligible for return to the excavation, then each respective sample will be analyzed to determine whether the soils exhibit any of the four hazardous waste characteristics per 40 CFR 261, Subpart C. Detection limits will be predicated on the ability to detect concentrations at the more stringent of either a state or federal clean-up standard as specified in Table 1, Appendix B of this work plan. Analytical methods will be selected based on the ability to achieve these detection limits. Methods 8260 and 8081 of EPA publication SW-846, third edition have been identified as the methods of choice for VOC analysis. Quality assurance samples will consist of one trip blank, one field blank, and one duplicate sample from the sample total.

EAS Laboratories of Watertown, CT will most likely perform the analytical work. EAS is State of Connecticut certified and employs QA/QC protocols necessary to produce data of sufficient quality. The EAS quality assurance manuals are available for review upon request. Sampling will be conducted by the qualified remediation contractor in accordance with the procedures detailed in the sampling plan at Section IV.

Note: In evaluating whether soils from the excavation exhibit the Toxicity Characteristic, Envirite will divide each total constituent concentration by 20 and then compare the resulting maximum theoretical leachate concentration to the appropriate regulatory limit "The dilution factor of 20 reflects the liquid to solid ratio employed in the extraction procedure."<sup>5</sup> Envirite will use this approach in the interest of both expediting decisions in the field concerning the disposition of excavated materials and eliminating unnecessary analytical costs.

### **A. Analysis of Soil Samples from Between Grade and the Top of the Tank (0-5 fbg)**

Samples from this strata will be analyzed to determine whether any constituents from the Table 1 site-specific parameter list exceed a threshold level. In the event that constituents of concern are found to exceed the target cleanup levels, samples will be analyzed to determine whether the soils exhibit any of the four hazardous waste characteristics per 40 CFR 261, Subpart C. Envirite may choose to perform the hazardous waste characterization tests concurrently with analysis for the site specific parameters shown in the Table 1 of this plan.

### **B. Analysis of Samples of Soil Surrounding the Tank (5 fbg and Below 5 fbg)**

As stated in the Sampling Plan, the extent of laboratory analysis of these samples will be dependent upon the integrity of the UST in the excavation area. The laboratory will consult the chains of custody and field notes to determine the extent to which the samples will be analyzed per the site-specific parameter list, or simply for hazardous waste characterization.

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<sup>5</sup> This approach is described in a memo dated January 12, 1993 from Gail Hansen, Chief of Methods Section (OS-331), US EPA Headquarters. It is also explained in the RCRA/Superfund/OUST Monthly Hotline Report of January, 1994 and is referenced by EPA Report Number EPA/530-R-94-005A.

## **V. PURPOSE OF SAMPLING AND DATA QUALITY OBJECTIVES, Cont'd**

### **C. Soil from Excavation's Sidewalls**

Samples will be accompanied by documentation indicating any presence or extent of soil staining. In a case where soil staining on a sidewall is noted, the lab will produce analytical results pertaining to that particular sidewall. Samples which represent sidewalls exhibiting no obvious contamination will be composited. The laboratory will produce one data set for a composite sample. Sidewall samples will be analyzed for the site specific parameters only, barring evidence of staining; then a TCPL analysis will be run to evaluate off-site disposition.

### **D. Soil From the Bottom of the Excavation**

The same approach described for sidewall sampling will apply to bottom wall sampling. A total of four containers per UST will be submitted to the laboratory for analysis of the site-specific parameters.

### **E. USTs' Contents Samples**

Any free-liquid within each tank will be collected, and a sample will be drawn from this composite using an appropriate sampling device used for containerized liquid wastes (COLIWASA) in accordance with EPA Publication SW-846, third edition. Samples will be submitted to the laboratory for waste characterization.

Any sample of material which is removed from the inside of each tank after removal of free liquid will be analyzed for the purpose of hazardous waste characterization.

## **VI. TARGET CLEANUP LEVELS**

Soils will be removed up to the point at which analytical results indicate that contaminant concentrations no longer exceed the appropriate action levels. These action levels are the State of Connecticut DEP GB Pollutant Mobility Criteria for soil and the U.S. EPA Risk Based Concentration Table, July - December, 1995, AND STATE OF CONNECTICUT INDUSTRIAL/COMMERCIAL CRITERIA FOR DIRECT EXPOSURE TO SOIL.

## **VII. MANAGEMENT OF CONTAMINATED SOILS AND MATERIALS**

As indicated below, excavated materials from various sources will be accumulated in separate stockpiles. Envirite may, however, combine any and all materials into a single transport vehicle to be shipped off site.

### **A. Soils Between Grade and the Top of the Tank (0 - 5 fbg)**

If this portion of soil meets the applicable cleanup standards, then it will be returned to the excavation area. If it does not meet cleanup standards, then it will be disposed off site. This material will be sent to a RCRA hazardous waste treatment, storage, or disposal facility (TSDF) if it exhibits a hazardous waste characteristic. Envirite will notify the receiving TSDF of all applicable land disposal restrictions. If the waste is not RCRA hazardous, then it will be shipped a RCRA subtitle D landfill.

### **B. Soils Surrounding the Tank (5 fbg and Below 5 fbg)**

If this portion of soil meets applicable cleanup standards, then it will be returned to the excavation area. If it does not meet cleanup standards, then it will be disposed off-site. This material will be sent to a RCRA hazardous waste treatment, storage, or disposal facility (TSDF) if it exhibits a hazardous waste characteristic. Envirite will notify the receiving TSDF of all applicable land disposal restrictions. If the waste is not RCRA hazardous, then it will be shipped a RCRA subtitle D landfill.

### **C. Soil from Excavation's Sidewalls**

Unless sampling or other visual observations indicate otherwise, soil in the excavation's sidewall will remain in place.

### **D. Soil from the Bottom of the Excavation**

If there is no visible soil staining of the soil in the bottom of the excavation, and if the soil meets applicable cleanup standards, then it will be left in place.

Any soil that is removed from the excavation's bottom will be shipped off site. The soil will be sent to a RCRA TSDF if it exhibits a hazardous characteristic. Envirite will notify the receiving facility of all applicable Land ban standards. If the material is not RCRA hazardous, then it will be shipped to a RCRA subtitle D facility.

## **VII. MANAGEMENT OF CONTAMINATED SOILS AND MATERIALS (cont'd)**

### **E. UST's Contents**

Each UST's contents will be evaluated to determine the presence of hazardous characteristics. If liquid is present in the tank, then it is possible, but not necessary, that it will be shipped to a different site than any non-liquid fraction in the tank.

Any material that is removed from the tanks will be shipped off site. It will be sent to a RCRA TSDF if it exhibits a hazardous characteristic. Envirite will notify the receiving facility of all applicable Land Ban standards. If the material is not RCRA hazardous, then it will be shipped to a RCRA subtitle D facility and/or to a wastewater treatment facility subject to a discharge permit under the Clean Water Act.

## **VIII. CONTRACTOR INFORMATION**

Bids will be solicited from qualified UST removal contractors possessing appropriate qualifications for HAZWOPER operations. Envirite will screen qualified remediation contractors.

## **IX. HEALTH AND SAFETY PLAN (HASP)**

The HASP for the RFI project was submitted with the RFI Proposal. Envirite is currently reviewing the HASP to ensure that it addresses hazards associated with the prospective Interim Measure. Upon completing its review and making any needed revisions, Envirite will submit the HASP to EPA.

The HASP sets forth procedures, personnel responsibilities, and training necessary to protect the health and safety of all on-site personnel while engaged in Interim Measures. The plan provides for routine but hazardous activities and for unexpected facility emergencies. The plan identifies the following:

- Possible problems and hazards and their solutions,
- Medical surveillance measures,
- Specifications for protective clothing,
- Appropriate level of respiratory protection,
- Rationale for selecting that level,
- Criteria, procedures, and mechanisms for upgrading the level of protection and for suspending activity, if necessary.

A copy of the HASP will be made available to all site remediation and regulatory personnel.

## **X. SCHEDULE**

Envirite intends to solicit contractor bids within one week of EPA's approval of this work plan. The following general tasks for implementing the plan have been identified:

- Solicit contractor bids
- Select contractor
- Excavate tanks and soils
- Complete soil sample analysis
- Follow-up excavation if necessary
- Dispose of contaminated media

Envirite intends to complete all work within 90 days of EPA's approval of this work plan. Envirite will notify EPA at least one week in advance of performing any activity involving excavation and sampling.

## **XI. REPORTING**

At the conclusion of the UST removal project, Envirite will submit to EPA a letter report summarizing the results of this project. The final report will include information regarding the disposition and quantities of contaminated soils and materials, analytical results of the field sampling, a contractor's certification of completion, and any other relevant issues regarding this project.

Results of this project will also be included in both the RFI Supplement and final PHERE, as required by the Consent Order.

# **Appendix A**

Boring Logs

and

Analytical Data

GZA GEOENVIRONMENTAL, INC.  
 Consulting Engineers/Geologists/Environmental Scientists

27 Naek Road  
 Vernon, Connecticut 06066  
 (203) 875-7655

ENVIRITE  
 THOMASTON, CONNECTICUT

Boring No. T-2

Page 1 of 1

File No. 413023

Chkd. By: JMB

Boring Co. GZA GeoEnvironmental, Inc.

Foreman Ron Holman

GZA  
 GeoEnvironmental  
 Rep. Al Augustine

Date Start 2/8/95 End 2/8/95

Location

GS.Elev. Datum

Casing

Type H.S.A.

I.D./O.D. 4-1/4"

Hammer Wt. 140 LB.

Hammer Fall 30"

Other

Sampler

S.S.

3" O.D.

140 LB.

30"

Groundwater Readings

Date	Time	Depth	Casing	Stab. Time

D P T H	C B S L N W G S	Sample Information					Sample Description & Classification	Stratum Description	R M K S	Equipment Installed
		No.	Pen./ Rec.	Depth (inches)	Blows/ 6"	Field Test Data				
5	A	24/10	6-8	12-24	ND	Dense, brown, fine to medium SAND, some coarse Gravel, trace Silt	FILL	1.	NO EQUIPMENT INSTALLED	
				20-6						
10	B	24/12	10-12	23-20	ND *	Dense, grey-brown, fine to coarse GRAVEL and fine to coarse SAND, trace Silt	12.5'	2.	END OF EXPLORATION	
				21-38						
15	C	1/0	12.5-	200/1*	No recovery					
				12.6						
20										
25										

- Remarks:
- Soil samples field screened for volatile organic compounds with a 10.6 eV portable Thermo Environmental Instruments Model 580B photoionization detector (PID). PID values represent meter response in parts per million (ppm) above background values. \*\*\* indicates sample sent to laboratory for analysis. ND indicates None Detected.
  - Auger refusal at 12.5 feet below grade.

Stratification lines represent approximate boundaries between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

Boring No. T-2

Boring Co. <u>GZA GeoEnvironmental, Inc.</u>		<u>Casing</u>	<u>Sampler</u>	<u>Groundwater Readings</u>				
Foreman <u>Ron Holman</u>	Type <u>H.S.A.</u>	<u>H.S.A.</u>	<u>S.S.</u>	<u>Date</u>	<u>Time</u>	<u>Depth</u>	<u>Casing</u>	<u>Stab. Time</u>
<u>GZA GeoEnvironmental Rep. Al Augustine</u>	I.D./O.D. <u>4-1/4"</u>	<u>4-1/4"</u>	<u>3" O.D.</u>					
Date Start <u>1/8/95</u> End <u>1/8/95</u>	Hammer Wt. <u>140 LB.</u>							
Location _____	Hammer Fall <u>30"</u>							
GS.Elev. _____	Other _____							
Datum _____								

D P T H	C B S L N W G S	Sample Information					Sample Description & Classification	Stratum Description	R M K S	Equipment Installed
		No.	Pen./ Rec.	Depth (inches)	Blows/ 6"	Field Test Data				
5										
						Auger refusal at 8 feet below grade No sample collected	FILL		NO EQUIPMENT INSTALLED	
							8.0'			
							END OF EXPLORATION			
10										
15										
20										
25										

Remarks \_\_\_\_\_



**GZA GEOENVIRONMENTAL, INC.**  
 Consulting Engineers/Geologists/Environmental Scientists

27 Naek Road  
 Vernon, Connecticut 06066  
 (203) 875-7655

ENVIRITE  
 THOMASTON, CONNECTICUT

Boring No. T-1  
 Page 1 of 1  
 File No. 41302J  
 Chkd. By: JMB

Boring Co. GZA GeoEnvironmental, Inc.

Foreman Ron Holman

GZA  
 GeoEnvironmental  
 Rep. Al Augustine

Date Start 2/8/95 End 2/8/95

Location

G.S. Elev. Datum

Casing H.S.A. Type H.S.A.  
 I.D./O.D. 4-1/4" 3" O.D.  
 Hammer Wt. 140 LB.  
 Hammer Fall 30"  
 Other

Groundwater Readings

Date	Time	Depth	Casing	Stab. Time

D P T H	C B S L N W G S	Sample Information					Sample Description & Classification	Stratum Description	R M K S	Equipment Installed
		No.	Pen./ Rec.	Depth (inches)	Blows/ 6"	Field Test Data				
5							FILL	1.	NO EQUIPMENT INSTALLED	
10	A	24/18	9-11	10-17 3-18	ND *	Medium dense, brown, fine to medium SAND, some coarse Gravel, trace Silt	12.0'	2.	NO EQUIPMENT INSTALLED	
15							END OF EXPLORATION		NO EQUIPMENT INSTALLED	
20									NO EQUIPMENT INSTALLED	
25									NO EQUIPMENT INSTALLED	

R  
e  
m  
a  
r  
k  
s

- Soil samples field screened for volatile organic compounds with a 10.6 eV portable Thermo Environmental Instruments Model 580B photoionization detector (PID). PID values represent meter response in parts per million (ppm) above background values. \*\*\* indicates sample sent to laboratory for analysis. ND indicates None Detected.
- Auger refusal at 12 feet below grade.

stratification lines represent approximate boundaries between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

Boring Co. <u>GZA GeoEnvironmental, Inc.</u>	<u>Casing</u>	<u>Sampler</u>	<u>Groundwater Readings</u>				
Foreman <u>Al Augustine</u>	Type _____	S.S. _____	Date	Time	Depth	Casing	Stab. Time
GZA GeoEnvironmental Rep. <u>Helena Hollauer</u>	I.D./O.D. _____	3" O.D. _____	11/16/94	1333	5.8'	out	0 hours
Date Start <u>11/16/94</u> End <u>11/16/94</u>	Hammer Wt. _____	140 LB. _____	11/16/94	1700	8.5'	out	3.5 hours
Location _____	Hammer Fall _____	30" _____					
GS.Elev. _____	Datum _____	Other _____					

D P T H	C B S L N W G S	Sample Information					Sample Description & Classification	Stratum Description	R M K S	Equipment Installed
		No.	Pen./ Rec.	Depth (inches)	Blows/ 6"	Field Test Data				
										NO EQUIPMENT INSTALLED
						No samples collected from 0 to 6' depth				
5							6.0'			
		A	24/20	6-8	2-1/12"	127	Very loose, brown-black, fine to coarse SAND, some fine to coarse Gravel		2.	
							FILL			
10		B	24/20	10-12	1-14	190 *	Top 13": Medium dense, fine to coarse SAND, some fine to coarse Gravel Bottom 7": Medium dense, black, fine to coarse SAND, some fine to coarse Gravel		3. 4.	
							14.0'			
15							END OF EXPLORATION			
20										
25										

R  
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1. Soil samples field screened for volatile organic compounds with a 10.0 eV portable Thermo Environmental Instruments Model 580B photoionization detector (PID). PID values represent meter response in parts per million (ppm) above background values. \*\*\* indicates sample sent to laboratory for analysis. ND indicates None Detected.
2. Silt spoon sample has odor.
3. Fiberglass found 1/2" from tip of spoon, soils above fiberglass were wet and soils below fiberglass were dry.
4. Rods oily at 10 fbg.

**GZA GEOENVIRONMENTAL, INC.**  
 Consulting Engineers/Geologists/Environmental Scientists

27 Naek Road  
 Vernon, Connecticut 06066  
 (203) 875-7655

ENVIRITE  
 THOMASTON, CONNECTICUT

Boring No. T-4

Page 1 of 1

File No. 41302J

Chkd. By: JMB

Boring Co. GZA GeoEnvironmental, Inc.

Casing

Sampler

Groundwater Readings

Foreman AJ Augustine

Type

S.S.

Date	Time	Depth	Casing	Stao. Time

GZA GeoEnvironmental Rep. Helena Hollauer

I.D./O.D.

3" O.D.

Date Start 11/16/94 End 11/16/94

Hammer Wt.

140 LB.

Location

Hammer Fall

30"

GS.Elev. Datum

Other

D P T H	C B S L N W G S	Sample Information					Sample Description & Classification	Stratum Description	R M K S	Equipment Installed
		No.	Pen./ Rec.	Depth (inches)	Blows/ 6"	Field Test Data				
5										
		A	24/20	6-8	2-3	ND *	Loose, brown, fine to medium SAND, trace fine Gravel	6.0'		
					2-10			FILL		
								9.5'		
10								END OF EXPLORATION	2.	
15										
20										
25										

Remarks:  
 1. Soil samples field screened for volatile organic compounds with a 10.0 eV portable Thermo Environmental Instruments Model 580B photoionization detector (PID). PID values represent meter response in parts per million (ppm) above background values. \*\*\* indicates sample sent to laboratory for analysis.  
 ND indicates None Detected.  
 2. Auger refusal at 9.5' depth.

Stratification lines represent approximate boundaries between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

Boring No. T-4

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLT02B  
 Envirite's Sample Number: 9500552  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
Herbicide Extraction				02/21/95
Base/Neutral & Acidic Extraction				02/20/95
Solid Pesticide/PCB Extraction				02/20/95
Cyanide, Total	BQL	0.50	mg/kg	02/10/95
Sulfide, Total	30.	10.	mg/kg	02/14/95
Silver, Leachate	BQL	0.030	mg/L	03/06/95
Arsenic, Leachate	BQL	0.0050	mg/L	03/06/95
Barium, Leachate	BQL	0.50	mg/L	03/06/95
Beryllium, Leachate	BQL	0.020	mg/L	03/06/95
Cadmium, Leachate	BQL	0.010	mg/L	03/06/95
Cobalt, Leachate	BQL	0.10	mg/L	03/06/95
Chromium, Leachate	BQL	0.040	mg/L	03/06/95
Copper, Leachate	BQL	0.020	mg/L	03/06/95
Mercury, Leachate	BQL	0.0010	mg/L	02/22/95
Leachable Metals Digestion				02/22/95
Nickel, Leachate	BQL	0.30	mg/L	03/06/95
Lead, Leachate	BQL	0.60	mg/L	03/06/95
Antimony, Leachate	BQL	0.40	mg/L	03/06/95
Selenium, Leachate	BQL	0.050	mg/L	03/06/95
Tin, Leachate	BQL	1.0	mg/L	03/06/95
Thallium, Leachate	BQL	0.40	mg/L	03/06/95
Vanadium, Leachate	BQL	1.0	mg/L	03/06/95
Zinc, Leachate	0.062	0.010	mg/L	03/06/95
Silver, Total	BQL	0.60	mg/kg	03/02/95
Arsenic, Total	BQL	1.0	mg/kg	03/02/95
Barium, Total	75.	10.	mg/kg	03/02/95
Beryllium, Total	BQL	0.40	mg/kg	03/02/95
Cadmium, Total	BQL	0.20	mg/kg	03/02/95
Cobalt, Total	8.8	2.0	mg/kg	03/02/95
Chromium, Total	50.	0.80	mg/kg	03/02/95
Copper, Total	27.	0.40	mg/kg	03/02/95
Mercury, Total	BQL	0.020	mg/kg	02/22/95
Metals Digestion for Solid Sample				02/22/95
Nickel, Total	16.	0.60	mg/kg	03/02/95
Lead, Total	14.	1.2	mg/kg	03/02/95
Antimony, Total	BQL	8.0	mg/kg	03/02/95
Selenium, Total	BQL	1.0	mg/kg	03/02/95
Tin, Total	BQL	16.	mg/kg	03/02/95
Thallium, Total	BQL	8.0	mg/kg	03/02/95
Vanadium, Total	40.	20.	mg/kg	03/02/95

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLT02B  
 Envirite's Sample Number: 9500552  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
Zinc, Total	42.	2.0	mg/kg	03/02/95
Semi-Volatiles List - Thomaston RFI - Method 8270				
2,4,5-Trichlorophenol	BQL	330.	ug/kg	03/02/95
2,4,6-Trichlorophenol	BQL	330.	ug/kg	03/02/95
2,4-Dichlorophenol	BQL	330.	ug/kg	03/02/95
2,6-Dichlorophenol	BQL	330.	ug/kg	03/02/95
2-Chlorophenol	BQL	330.	ug/kg	03/02/95
2-Methylnaphthalene	BQL	330.	ug/kg	03/02/95
Acenaphthene	BQL	330.	ug/kg	03/02/95
Anthracene	BQL	330.	ug/kg	03/02/95
Bis (2-ethylhexyl) phthalate	BQL	330.	ug/kg	03/02/95
Butyl benzylphthalate	BQL	330.	ug/kg	03/02/95
Dibenzofuran	BQL	330.	ug/kg	03/02/95
Diethylphthalate	BQL	330.	ug/kg	03/02/95
Di-n-octylphthalate	BQL	330.	ug/kg	03/02/95
Di-n-butylphthalate	83.	J 330.	ug/kg	03/02/95
Fluoranthene	BQL	330.	ug/kg	03/02/95
Fluorene	BQL	330.	ug/kg	03/02/95
Naphthalene	BQL	330.	ug/kg	03/02/95
N-Nitrosodimethylamine	BQL	330.	ug/kg	03/02/95
N-Nitrosodiphenylamine	BQL	330.	ug/kg	03/02/95
Phenanthrene	BQL	330.	ug/kg	03/02/95
Pyrene	BQL	330.	ug/kg	03/02/95
Benzo (a) pyrene	BQL	330.	ug/kg	03/02/95
Benzo (b) fluoranthene	BQL	330.	ug/kg	03/02/95
Benzo (k) fluoranthene	BQL	330.	ug/kg	03/02/95
Pests/PCBs List for Thomaston RFI - Method 8080				
4,4'-DDE	BQL	0.10	ug/kg	03/07/95
4,4'-DDT	BQL	0.10	ug/kg	03/07/95
Aldrin	BQL		ug/kg	03/07/95
Dieldrin	BQL	0.10	ug/kg	03/07/95
Endrin aldehyde	BQL	0.10	ug/kg	03/07/95
Heptachlor	BQL	0.050	ug/kg	03/07/95
Methoxychlor	BQL	0.50	ug/kg	03/07/95
Aroclor 1242	BQL	1.0	ug/kg	03/07/95
Aroclor 1254	BQL	1.0	ug/kg	03/07/95
Endosulfan I	BQL	0.050	ug/kg	03/07/95
b-BHC	BQL	0.028	ug/kg	03/07/95
Endosulfan II	BQL	0.011	ug/kg	03/07/95
d-BHC	BQL	0.050	ug/kg	03/07/95

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLTO2B  
 Envirite's Sample Number: 9500552  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
g-BHC (Lindane)	BQL	0.014	ug/kg	03/07/95
Herbicides - Method SW-846-8150				
2,4,5-T	BQL	1.0	ug/kg	03/10/95
2,4,5-TP (Silvex)	BQL	1.0	ug/kg	03/10/95
2,4-D	BQL	1.0	ug/kg	03/10/95
2,4-DB	BQL	1.0	ug/kg	03/10/95
Dalapon	BQL	1.0	ug/kg	03/10/95
Dicamba	BQL	1.0	ug/kg	03/10/95
Dichloroprop	BQL	1.0	ug/kg	03/10/95
Dinoseb	BQL	1.0	ug/kg	03/10/95
MCPA	BQL	1.0	ug/kg	03/10/95
MCPP	BQL	1.0	ug/kg	03/10/95
Synthetic Rain Leaching Procedure				02/20/95
RFI Volatile list - Soils - Method 8240				
1,1,1-Trichloroethane	BQL	10.	ug/kg	02/13/95
1,1,2,2-Tetrachloroethane	BQL	10.	ug/kg	02/13/95
1,1,2-Trichloroethane	BQL	10.	ug/kg	02/13/95
1,1-Dichloroethane	BQL	10.	ug/kg	02/13/95
1,1-Dichloroethene	BQL	10.	ug/kg	02/13/95
1,2-Dichloroethane	BQL	10.	ug/kg	02/13/95
1,2-Dichloropropane	BQL	10.	ug/kg	02/13/95
Dibromochloromethane	BQL	10.	ug/kg	02/13/95
2-Chloroethyl vinyl ether	BQL	10.	ug/kg	02/13/95
2-Hexanone	BQL	10.	ug/kg	02/13/95
Acetone	6.5	J 10.	ug/kg	02/13/95
Benzene	BQL	10.	ug/kg	02/13/95
Bromodichloromethane	BQL	10.	ug/kg	02/13/95
Bromomethane	BQL	10.	ug/kg	02/13/95
Bromoform	BQL	10.	ug/kg	02/13/95
cis-1,2-Dichloroethene	BQL	10.	ug/kg	02/13/95
cis-1,3-Dichloropropene	BQL	10.	ug/kg	02/13/95
Carbon disulfide	BQL	10.	ug/kg	02/13/95
Carbon tetrachloride	BQL	10.	ug/kg	02/13/95
Chloroform	BQL	10.	ug/kg	02/13/95
Chlorobenzene	BQL	10.	ug/kg	02/13/95
Chloroethane	BQL	10.	ug/kg	02/13/95
Chloromethane	BQL	10.	ug/kg	02/13/95
Ethylbenzene	BQL	10.	ug/kg	02/13/95
Methylene chloride	2.8	J 10.	ug/kg	02/13/95
2-Butanone (MEK)	BQL	10.	ug/kg	02/13/95

ENVIRITE CORP. (THOMASTON)  
Old Waterbury Road  
Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
Date Sample Collected: 02/08/1995  
Sample Description: AA950208SLT02B  
Envirite's Sample Number: 9500552  
Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
4-Methyl-2-Pentanone	BQL	10.	ug/kg	02/13/95
Styrene	BQL	10.	ug/kg	02/13/95
trans-1,2-Dichloroethene	BQL	10.	ug/kg	02/13/95
trans-1,3-Dichloropropene	BQL	10.	ug/kg	02/13/95
Tetrachloroethylene	BQL	10.	ug/kg	02/13/95
Toluene	BQL	10.	ug/kg	02/13/95
Total Xylenes	BQL	10.	ug/kg	02/13/95
Trichloroethylene	BQL	10.	ug/kg	02/13/95
Vinyl acetate	BQL	10.	ug/kg	02/13/95
Vinyl chloride	BQL	10.	ug/kg	02/13/95

BQL = Below Quantitation Limit

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 17th Edition, 1989
2. Clean Water Act, List of Approved Test Procedures, 40 CFR, 136.3 July 1, 1989
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLTO6A  
 Envirite's Sample Number: 9500553  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
Herbicide Extraction				02/21/95
Base/Neutral & Acidic Extraction				02/20/95
Solid Pesticide/PCB Extraction				02/20/95
Cyanide, Total	5.8	0.50	mg/kg	02/10/95
Sulfide, Total	15.	10.	mg/kg	02/14/95
Silver, Leachate	BQL	0.030	mg/L	03/06/95
Arsenic, Leachate	BQL	0.0050	mg/L	03/06/95
Barium, Leachate	BQL	0.50	mg/L	03/06/95
Beryllium, Leachate	BQL	0.020	mg/L	03/06/95
Cadmium, Leachate	BQL	0.010	mg/L	03/06/95
Cobalt, Leachate	BQL	0.10	mg/L	03/06/95
Chromium, Leachate	BQL	0.040	mg/L	03/06/95
Copper, Leachate	BQL	0.020	mg/L	03/06/95
Mercury, Leachate	BQL	0.0010	mg/L	02/22/95
Leachable Metals Digestion				02/22/95
Nickel, Leachate	BQL	0.30	mg/L	03/06/95
Lead, Leachate	BQL	0.60	mg/L	03/06/95
Antimony, Leachate	BQL	0.40	mg/L	03/06/95
Selenium, Leachate	BQL	0.050	mg/L	03/06/95
Tin, Leachate	BQL	1.0	mg/L	03/06/95
Thallium, Leachate	BQL	0.40	mg/L	03/06/95
Vanadium, Leachate	BQL	1.0	mg/L	03/06/95
Zinc, Leachate	0.039	0.010	mg/L	03/06/95
Silver, Total	BQL	0.60	mg/kg	03/02/95
Arsenic, Total	BQL	1.0	mg/kg	03/02/95
Barium, Total	41.	10.	mg/kg	03/02/95
Beryllium, Total	BQL	0.40	mg/kg	03/02/95
Cadmium, Total	BQL	0.20	mg/kg	03/02/95
Cobalt, Total	4.0	2.0	mg/kg	03/02/95
Chromium, Total	8.4	0.80	mg/kg	03/02/95
Copper, Total	32.	0.40	mg/kg	03/02/95
Mercury, Total	BQL	0.020	mg/kg	02/22/95
Metals Digestion for Solid Sample				02/22/95
Nickel, Total	7.0	0.60	mg/kg	03/02/95
Lead, Total	2.0	1.2	mg/kg	03/02/95
Antimony, Total	BQL	8.0	mg/kg	03/02/95
Selenium, Total	BQL	1.0	mg/kg	03/02/95
Tin, Total	BQL	16.	mg/kg	03/02/95
Thallium, Total	BQL	8.0	mg/kg	03/02/95
Vanadium, Total	BQL	20.	mg/kg	03/02/95

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLT06A  
 Envirite's Sample Number: 9500553  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
Zinc, Total	23.	2.0	mg/kg	03/02/95
Semi-Volatiles List - Thomaston RFI - Method 8270				
2,4,5-Trichlorophenol	BQL	330.	ug/kg	03/02/95
2,4,6-Trichlorophenol	BQL	330.	ug/kg	03/02/95
2,4-Dichlorophenol	BQL	330.	ug/kg	03/02/95
2,6-Dichlorophenol	BQL	330.	ug/kg	03/02/95
2-Chlorophenol	BQL	330.	ug/kg	03/02/95
2-Methylnaphthalene	BQL	330.	ug/kg	03/02/95
Acenaphthene	BQL	330.	ug/kg	03/02/95
Anthracene	BQL	330.	ug/kg	03/02/95
Bis (2-ethylhexyl) phthalate	BQL	330.	ug/kg	03/02/95
Butyl benzylphthalate	BQL	330.	ug/kg	03/02/95
Dibenzofuran	BQL	330.	ug/kg	03/02/95
Diethylphthalate	15.	J 330.	ug/kg	03/02/95
Di-n-octylphthalate	BQL	330.	ug/kg	03/02/95
Di-n-butylphthalate	220.	J 330.	ug/kg	03/02/95
Fluoranthene	BQL	330.	ug/kg	03/02/95
Fluorene	BQL	330.	ug/kg	03/02/95
Naphthalene	BQL	330.	ug/kg	03/02/95
N-Nitrosodimethylamine	BQL	330.	ug/kg	03/02/95
N-Nitrosodiphenylamine	BQL	330.	ug/kg	03/02/95
Phenanthrene	BQL	330.	ug/kg	03/02/95
Pyrene	BQL	330.	ug/kg	03/02/95
Benzo (a) pyrene	BQL	330.	ug/kg	03/02/95
Benzo (b) fluoranthene	BQL	330.	ug/kg	03/02/95
Benzo (k) fluoranthene	BQL	330.	ug/kg	03/02/95
Pests/PCBs List for Thomaston RFI - Method 8080				
4,4'-DDE	BQL	0.10	ug/kg	03/07/95
4,4'-DDT	BQL	0.10	ug/kg	03/07/95
Aldrin	BQL		ug/kg	03/07/95
Dieldrin	BQL	0.10	ug/kg	03/07/95
Endrin aldehyde	BQL	0.10	ug/kg	03/07/95
Heptachlor	BQL	0.050	ug/kg	03/07/95
Methoxychlor	BQL	0.50	ug/kg	03/07/95
Aroclor 1242	BQL	1.0	ug/kg	03/07/95
Aroclor 1254	BQL	1.0	ug/kg	03/07/95
Endosulfan I	BQL	0.050	ug/kg	03/07/95
b-BHC	BQL	0.028	ug/kg	03/07/95
Endosulfan II	BQL	0.011	ug/kg	03/07/95
d-BHC	BQL	0.050	ug/kg	03/07/95

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLT06A  
 Envirite's Sample Number: 9500553  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
g-BHC (Lindane)	BQL	0.014	ug/kg	03/07/95
Herbicides - Method SW-846-8150				
2,4,5-T	BQL	1.0	ug/kg	03/10/95
2,4,5-TP (Silvex)	BQL	1.0	ug/kg	03/10/95
2,4-D	BQL	1.0	ug/kg	03/10/95
2,4-DB	BQL	1.0	ug/kg	03/10/95
Dalapon	BQL	1.0	ug/kg	03/10/95
Dicamba	BQL	1.0	ug/kg	03/10/95
Dichloroprop	BQL	1.0	ug/kg	03/10/95
Dinoseb	BQL	1.0	ug/kg	03/10/95
MCPA	BQL	1.0	ug/kg	03/10/95
MCPP	BQL	1.0	ug/kg	03/10/95
Synthetic Rain Leaching Procedure				02/20/95
RFI Volatile list - Soils - Method 8240				
1,1,1-Trichloroethane	BQL	10.	ug/kg	02/13/95
1,1,2,2-Tetrachloroethane	BQL	10.	ug/kg	02/13/95
1,1,2-Trichloroethane	BQL	10.	ug/kg	02/13/95
1,1-Dichloroethane	BQL	10.	ug/kg	02/13/95
1,1-Dichloroethene	BQL	10.	ug/kg	02/13/95
1,2-Dichloroethane	BQL	10.	ug/kg	02/13/95
1,2-Dichloropropane	BQL	10.	ug/kg	02/13/95
Dibromochloromethane	BQL	10.	ug/kg	02/13/95
2-Chloroethyl vinyl ether	BQL	10.	ug/kg	02/13/95
2-Hexanone	BQL	10.	ug/kg	02/13/95
Acetone	BQL	10.	ug/kg	02/13/95
Benzene	BQL	10.	ug/kg	02/13/95
Bromodichloromethane	BQL	10.	ug/kg	02/13/95
Bromomethane	BQL	10.	ug/kg	02/13/95
Bromoform	BQL	10.	ug/kg	02/13/95
cis-1,2-Dichloroethene	BQL	10.	ug/kg	02/13/95
cis-1,3-Dichloropropene	BQL	10.	ug/kg	02/13/95
Carbon disulfide	BQL	10.	ug/kg	02/13/95
Carbon tetrachloride	BQL	10.	ug/kg	02/13/95
Chloroform	BQL	10.	ug/kg	02/13/95
Chlorobenzene	BQL	10.	ug/kg	02/13/95
Chloroethane	BQL	10.	ug/kg	02/13/95
Chloromethane	BQL	10.	ug/kg	02/13/95
Ethylbenzene	BQL	10.	ug/kg	02/13/95
Methylene chloride	4.0	J 10.	ug/kg	02/13/95
2-Butanone (MEK)	BQL	10.	ug/kg	02/13/95

ENVIRITE CORP. (THOMASTON)  
Old Waterbury Road  
Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
Date Sample Collected: 02/08/1995  
Sample Description: AA950208SLT06A  
Envirite's Sample Number: 9500553  
Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
4-Methyl-2-Pentanone	BQL	10.	ug/kg	02/13/95
Styrene	BQL	10.	ug/kg	02/13/95
trans-1,2-Dichloroethene	BQL	10.	ug/kg	02/13/95
trans-1,3-Dichloropropene	BQL	10.	ug/kg	02/13/95
Tetrachloroethylene	BQL	10.	ug/kg	02/13/95
Toluene	BQL	10.	ug/kg	02/13/95
Total Xylenes	BQL	10.	ug/kg	02/13/95
Trichloroethylene	BQL	10.	ug/kg	02/13/95
Vinyl acetate	BQL	10.	ug/kg	02/13/95
Vinyl chloride	BQL	10.	ug/kg	02/13/95

BQL = Below Quantitation Limit

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 17th Edition, 1989
2. Clean Water Act, List of Approved Test Procedures, 40 CFR, 136.3 July 1, 1989
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLTO6B  
 Envirite's Sample Number: 9500554  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
Herbicide Extraction				02/21/95
Base/Neutral & Acidic Extraction				02/20/95
Solid Pesticide/PCB Extraction				02/20/95
Cyanide, Total	BQL	0.50	mg/kg	02/10/95
Sulfide, Total	140.	10.	mg/kg	02/14/95
Silver, Leachate	BQL	0.030	mg/L	03/06/95
Arsenic, Leachate	BQL	0.0050	mg/L	03/06/95
Barium, Leachate	BQL	0.50	mg/L	03/06/95
Beryllium, Leachate	BQL	0.020	mg/L	03/06/95
Cadmium, Leachate	BQL	0.010	mg/L	03/06/95
Cobalt, Leachate	BQL	0.10	mg/L	03/06/95
Chromium, Leachate	BQL	0.040	mg/L	03/06/95
Copper, Leachate	BQL	0.020	mg/L	03/06/95
Mercury, Leachate	BQL	0.0010	mg/L	02/22/95
Leachable Metals Digestion				02/22/95
Nickel, Leachate	BQL	0.30	mg/L	03/06/95
Lead, Leachate	BQL	0.60	mg/L	03/06/95
Antimony, Leachate	BQL	0.40	mg/L	03/06/95
Selenium, Leachate	BQL	0.050	mg/L	03/06/95
Tin, Leachate	BQL	1.0	mg/L	03/06/95
Thallium, Leachate	BQL	0.40	mg/L	03/06/95
Vanadium, Leachate	BQL	1.0	mg/L	03/06/95
Zinc, Leachate	0.027	0.010	mg/L	03/06/95
Silver, Total	BQL	0.60	mg/kg	03/02/95
Arsenic, Total	BQL	1.0	mg/kg	03/02/95
Barium, Total	27.	10.	mg/kg	03/02/95
Beryllium, Total	BQL	0.40	mg/kg	03/02/95
Cadmium, Total	0.24	0.20	mg/kg	03/02/95
Cobalt, Total	4.2	2.0	mg/kg	03/02/95
Chromium, Total	9.6	0.80	mg/kg	03/02/95
Copper, Total	24.	0.40	mg/kg	03/02/95
Mercury, Total	BQL	0.020	mg/kg	02/22/95
Metals Digestion for Solid Sample			mg/kg	02/22/95
Nickel, Total	7.2	0.60	mg/kg	03/02/95
Lead, Total	5.4	1.2	mg/kg	03/02/95
Antimony, Total	BQL	8.0	mg/kg	03/02/95
Selenium, Total	BQL	1.0	mg/kg	03/02/95
Tin, Total	BQL	16.	mg/kg	03/02/95
Thallium, Total	BQL	8.0	mg/kg	03/02/95
Vanadium, Total	BQL	20.	mg/kg	03/02/95

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLTO6B  
 Envirite's Sample Number: 9500554  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
Zinc, Total	46.	2.0	mg/kg	03/02/95
Semi-Volatiles List - Thomaston RFI - Method 8270				
2,4,5-Trichlorophenol	BQL	330.	ug/kg	03/02/95
2,4,6-Trichlorophenol	BQL	330.	ug/kg	03/02/95
2,4-Dichlorophenol	BQL	330.	ug/kg	03/02/95
2,6-Dichlorophenol	BQL	330.	ug/kg	03/02/95
2-Chlorophenol	BQL	330.	ug/kg	03/02/95
2-Methylnaphthalene	BQL	330.	ug/kg	03/02/95
Acenaphthene	BQL	330.	ug/kg	03/02/95
Anthracene	BQL	330.	ug/kg	03/02/95
Bis (2-ethylhexyl) phthalate	BQL	330.	ug/kg	03/02/95
Butyl benzylphthalate	BQL	330.	ug/kg	03/02/95
Dibenzofuran	BQL	330.	ug/kg	03/02/95
Diethylphthalate	61.	J 330.	ug/kg	03/02/95
Di-n-octylphthalate	BQL	330.	ug/kg	03/02/95
Di-n-butylphthalate	510.	J 330.	ug/kg	03/02/95
Fluoranthene	24.	J 330.	ug/kg	03/02/95
Fluorene	BQL	330.	ug/kg	03/02/95
Naphthalene	BQL	330.	ug/kg	03/02/95
N-Nitrosodimethylamine	BQL	330.	ug/kg	03/02/95
N-Nitrosodiphenylamine	BQL	330.	ug/kg	03/02/95
Phenanthrene	11.	J 330.	ug/kg	03/02/95
Pyrene	22.	J 330.	ug/kg	03/02/95
Benzo (a) pyrene	BQL	330.	ug/kg	03/02/95
Benzo (b) fluoranthene	BQL	330.	ug/kg	03/02/95
Benzo (k) fluoranthene	BQL	330.	ug/kg	03/02/95
Pests/PCBs List for Thomaston RFI - Method 8080				
4,4'-DDE	BQL	0.10	ug/kg	03/07/95
4,4'-DDT	BQL	0.10	ug/kg	03/07/95
Aldrin	BQL		ug/kg	03/07/95
Dieldrin	BQL	0.10	ug/kg	03/07/95
Endrin aldehyde	BQL	0.10	ug/kg	03/07/95
Heptachlor	BQL	0.050	ug/kg	03/07/95
Methoxychlor	BQL	0.50	ug/kg	03/07/95
Aroclor 1242	BQL	1.0	ug/kg	03/07/95
Aroclor 1254	BQL	1.0	ug/kg	03/07/95
Endosulfan I	BQL	0.050	ug/kg	03/07/95
b-BHC	BQL	0.028	ug/kg	03/07/95
Endosulfan II	BQL	0.011	ug/kg	03/07/95
d-BHC	BQL	0.050	ug/kg	03/07/95

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLTO6B  
 Envirite's Sample Number: 9500554  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
g-BHC (Lindane)	BQL	0.014	ug/kg	03/07/95
Herbicides - Method SW-846-8150				
2,4,5-T	BQL	1.0	ug/kg	03/10/95
2,4,5-TP (Silvex)	BQL	1.0	ug/kg	03/10/95
2,4-D	BQL	1.0	ug/kg	03/10/95
2,4-DB	BQL	1.0	ug/kg	03/10/95
Dalapon	BQL	1.0	ug/kg	03/10/95
Dicamba	BQL	1.0	ug/kg	03/10/95
Dichloroprop	BQL	1.0	ug/kg	03/10/95
Dinoseb	BQL	1.0	ug/kg	03/10/95
MCPA	BQL	1.0	ug/kg	03/10/95
MCPP	BQL	1.0	ug/kg	03/10/95
Synthetic Rain Leaching Procedure				02/20/95
RFI Volatile list - Soils - Method 8240				
1,1,1-Trichloroethane	BQL	10.	ug/kg	02/13/95
1,1,2,2-Tetrachloroethane	BQL	10.	ug/kg	02/13/95
1,1,2-Trichloroethane	BQL	10.	ug/kg	02/13/95
1,1-Dichloroethane	BQL	10.	ug/kg	02/13/95
1,1-Dichloroethene	BQL	10.	ug/kg	02/13/95
1,2-Dichloroethane	BQL	10.	ug/kg	02/13/95
1,2-Dichloropropane	BQL	10.	ug/kg	02/13/95
Dibromochloromethane	BQL	10.	ug/kg	02/13/95
2-Chloroethyl vinyl ether	BQL	10.	ug/kg	02/13/95
2-Hexanone	BQL	10.	ug/kg	02/13/95
Acetone	110.	10.	ug/kg	02/13/95
Benzene	BQL	10.	ug/kg	02/13/95
Bromodichloromethane	BQL	10.	ug/kg	02/13/95
Bromomethane	BQL	10.	ug/kg	02/13/95
Bromoform	BQL	10.	ug/kg	02/13/95
cis-1,2-Dichloroethene	BQL	10.	ug/kg	02/13/95
cis-1,3-Dichloropropene	BQL	10.	ug/kg	02/13/95
Carbon disulfide	BQL	10.	ug/kg	02/13/95
Carbon tetrachloride	BQL	10.	ug/kg	02/13/95
Chloroform	BQL	10.	ug/kg	02/13/95
Chlorobenzene	BQL	10.	ug/kg	02/13/95
Chloroethane	BQL	10.	ug/kg	02/13/95
Chloromethane	BQL	10.	ug/kg	02/13/95
Ethylbenzene	BQL	10.	ug/kg	02/13/95
Methylene chloride	2.7	J 10.	ug/kg	02/13/95
2-Butanone (MEK)	23.	10.	ug/kg	02/13/95

ENVIRITE CORP. (THOMASTON)  
Old Waterbury Road  
Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
Date Sample Collected: 02/08/1995  
Sample Description: AA950208SLT06B  
Envirite's Sample Number: 9500554  
Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
4-Methyl-2-Pentanone	BQL	10.	ug/kg	02/13/95
Styrene	BQL	10.	ug/kg	02/13/95
trans-1,2-Dichloroethene	BQL	10.	ug/kg	02/13/95
trans-1,3-Dichloropropene	BQL	10.	ug/kg	02/13/95
Tetrachloroethylene	BQL	10.	ug/kg	02/13/95
Toluene	BQL	10.	ug/kg	02/13/95
Total Xylenes	BQL	10.	ug/kg	02/13/95
Trichloroethylene	BQL	10.	ug/kg	02/13/95
Vinyl acetate	BQL	10.	ug/kg	02/13/95
Vinyl chloride	BQL	10.	ug/kg	02/13/95

BQL = Below Quantitation Limit

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 17th Edition, 1989
2. Clean Water Act, List of Approved Test Procedures, 40 CFR, 136.3 July 1, 1989
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLT01A  
 Envirite's Sample Number: 9500555  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
Herbicide Extraction				02/21/95
Base/Neutral & Acidic Extraction				02/20/95
Solid Pesticide/PCB Extraction				02/20/95
Cyanide, Total	BQL	0.50	mg/kg	02/10/95
Sulfide, Total	20.	10.	mg/kg	02/14/95
Silver, Leachate	BQL	0.030	mg/L	03/06/95
Arsenic, Leachate	BQL	0.0050	mg/L	03/06/95
Barium, Leachate	BQL	0.50	mg/L	03/06/95
Beryllium, Leachate	BQL	0.020	mg/L	03/06/95
Cadmium, Leachate	BQL	0.010	mg/L	03/06/95
Cobalt, Leachate	BQL	0.10	mg/L	03/06/95
Chromium, Leachate	BQL	0.040	mg/L	03/06/95
Copper, Leachate	BQL	0.020	mg/L	03/06/95
Mercury, Leachate	BQL	0.0010	mg/L	02/22/95
Leachable Metals Digestion				02/22/95
Nickel, Leachate	BQL	0.30	mg/L	03/06/95
Lead, Leachate	BQL	0.60	mg/L	03/06/95
Antimony, Leachate	BQL	0.40	mg/L	03/06/95
Selenium, Leachate	BQL	0.050	mg/L	03/06/95
Tin, Leachate	BQL	1.0	mg/L	03/06/95
Thallium, Leachate	BQL	0.40	mg/L	03/06/95
Vanadium, Leachate	BQL	1.0	mg/L	03/06/95
Zinc, Leachate	0.080	0.010	mg/L	03/06/95
Silver, Total	0.60	0.60	mg/kg	03/02/95
Arsenic, Total	BQL	1.0	mg/kg	03/02/95
Barium, Total	87.	10.	mg/kg	03/02/95
Beryllium, Total	BQL	0.40	mg/kg	03/02/95
Cadmium, Total	BQL	0.20	mg/kg	03/02/95
Cobalt, Total	9.6	2.0	mg/kg	03/02/95
Chromium, Total	20.	0.80	mg/kg	03/02/95
Copper, Total	28.	0.40	mg/kg	03/02/95
Mercury, Total	BQL	0.020	mg/kg	02/22/95
Metals Digestion for Solid Sample			mg/kg	02/22/95
Nickel, Total	11.	0.60	mg/kg	03/02/95
Lead, Total	2.0	1.2	mg/kg	03/02/95
Antimony, Total	BQL	8.0	mg/kg	03/02/95
Selenium, Total	BQL	1.0	mg/kg	03/02/95
Tin, Total	BQL	16.	mg/kg	03/02/95
Thallium, Total	BQL	8.0	mg/kg	03/02/95
Vanadium, Total	33.	20.	mg/kg	03/02/95

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLTO1A  
 Envirite's Sample Number: 9500555  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
Zinc, Total	30.	2.0	mg/kg	03/02/95
Semi-Volatiles List - Thomaston RFI - Method 8270				
2,4,5-Trichlorophenol	BQL	330.	ug/kg	03/02/95
2,4,6-Trichlorophenol	BQL	330.	ug/kg	03/02/95
2,4-Dichlorophenol	BQL	330.	ug/kg	03/02/95
2,6-Dichlorophenol	BQL	330.	ug/kg	03/02/95
2-Chlorophenol	BQL	330.	ug/kg	03/02/95
2-Methylnaphthalene	BQL	330.	ug/kg	03/02/95
Acenaphthene	BQL	330.	ug/kg	03/02/95
Anthracene	BQL	330.	ug/kg	03/02/95
Bis (2-ethylhexyl) phthalate	BQL	330.	ug/kg	03/02/95
Butyl benzylphthalate	BQL	330.	ug/kg	03/02/95
Dibenzofuran	BQL	330.	ug/kg	03/02/95
Diethylphthalate	41.	J 330.	ug/kg	03/02/95
Di-n-octylphthalate	BQL	330.	ug/kg	03/02/95
Di-n-butylphthalate	650.	J 330.	ug/kg	03/02/95
Fluoranthene	BQL	330.	ug/kg	03/02/95
Fluorene	BQL	330.	ug/kg	03/02/95
Naphthalene	BQL	330.	ug/kg	03/02/95
N-Nitrosodimethylamine	BQL	330.	ug/kg	03/02/95
N-Nitrosodiphenylamine	BQL	330.	ug/kg	03/02/95
Phenanthrene	11.	J 330.	ug/kg	03/02/95
Pyrene	10.	J 330.	ug/kg	03/02/95
Benzo (a) pyrene	BQL	330.	ug/kg	03/02/95
Benzo (b) fluoranthene	BQL	330.	ug/kg	03/02/95
Benzo (k) fluoranthene	BQL	330.	ug/kg	03/02/95
Pests/PCBs List for Thomaston RFI - Method 8080				
4,4'-DDE	BQL	0.10	ug/kg	03/07/95
4,4'-DDT	BQL	0.10	ug/kg	03/07/95
Aldrin	BQL		ug/kg	03/07/95
Dieldrin	BQL	0.10	ug/kg	03/07/95
Endrin aldehyde	BQL	0.10	ug/kg	03/07/95
Heptachlor	BQL	0.050	ug/kg	03/07/95
Methoxychlor	BQL	0.50	ug/kg	03/07/95
Aroclor 1242	BQL	1.0	ug/kg	03/07/95
Aroclor 1254	BQL	1.0	ug/kg	03/07/95
Endosulfan I	BQL	0.050	ug/kg	03/07/95
b-BHC	BQL	0.028	ug/kg	03/07/95
Endosulfan II	BQL	0.011	ug/kg	03/07/95
d-BHC	BQL	0.050	ug/kg	03/07/95

ENVIRITE CORP. (THOMASTON)  
 Old Waterbury Road  
 Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
 Date Sample Collected: 02/08/1995  
 Sample Description: AA950208SLTO1A  
 Envirite's Sample Number: 9500555  
 Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
g-BHC (Lindane)	BQL	0.014	ug/kg	03/07/95
Herbicides - Method SW-846-8150				
2,4,5-T	BQL	1.0	ug/kg	03/10/95
2,4,5-TP (Silvex)	BQL	1.0	ug/kg	03/10/95
2,4-D	BQL	1.0	ug/kg	03/10/95
2,4-DB	BQL	1.0	ug/kg	03/10/95
Dalapon	BQL	1.0	ug/kg	03/10/95
Dicamba	BQL	1.0	ug/kg	03/10/95
Dichloroprop	BQL	1.0	ug/kg	03/10/95
Dinoseb	BQL	1.0	ug/kg	03/10/95
MCPA	BQL	1.0	ug/kg	03/10/95
MCPP	BQL	1.0	ug/kg	03/10/95
Synthetic Rain Leaching Procedure				02/20/95
RFI Volatile list - Soils - Method 8240				
1,1,1-Trichloroethane	BQL	10.	ug/kg	02/13/95
1,1,2,2-Tetrachloroethane	BQL	10.	ug/kg	02/13/95
1,1,2-Trichloroethane	BQL	10.	ug/kg	02/13/95
1,1-Dichloroethane	BQL	10.	ug/kg	02/13/95
1,1-Dichloroethene	BQL	10.	ug/kg	02/13/95
1,2-Dichloroethane	BQL	10.	ug/kg	02/13/95
1,2-Dichloropropane	BQL	10.	ug/kg	02/13/95
Dibromochloromethane	BQL	10.	ug/kg	02/13/95
2-Chloroethyl vinyl ether	BQL	10.	ug/kg	02/13/95
2-Hexanone	BQL	10.	ug/kg	02/13/95
Acetone	BQL	10.	ug/kg	02/13/95
Benzene	BQL	10.	ug/kg	02/13/95
Bromodichloromethane	BQL	10.	ug/kg	02/13/95
Bromomethane	BQL	10.	ug/kg	02/13/95
Bromoform	BQL	10.	ug/kg	02/13/95
cis-1,2-Dichloroethene	BQL	10.	ug/kg	02/13/95
cis-1,3-Dichloropropene	BQL	10.	ug/kg	02/13/95
Carbon disulfide	BQL	10.	ug/kg	02/13/95
Carbon tetrachloride	BQL	10.	ug/kg	02/13/95
Chloroform	BQL	10.	ug/kg	02/13/95
Chlorobenzene	BQL	10.	ug/kg	02/13/95
Chloroethane	BQL	10.	ug/kg	02/13/95
Chloromethane	BQL	10.	ug/kg	02/13/95
Ethylbenzene	BQL	10.	ug/kg	02/13/95
Methylene chloride	2.2	J 10.	ug/kg	02/13/95
2-Butanone (MEK)	BQL	10.	ug/kg	02/13/95

ENVIRITE CORP. (THOMASTON)  
Old Waterbury Road  
Thomaston, CT 06787-

Location Collected: ENVIRITE CORP. THOMASTON, CT  
Date Sample Collected: 02/08/1995  
Sample Description: AA950208SLT01A  
Envirite's Sample Number: 9500555  
Date Sample Received: 02/09/1995

Parameter	Data	Quantitation Limit	Units	Analysis Date
4-Methyl-2-Pentanone	BQL	10.	ug/kg	02/13/95
Styrene	BQL	10.	ug/kg	02/13/95
trans-1,2-Dichloroethene	BQL	10.	ug/kg	02/13/95
trans-1,3-Dichloropropene	BQL	10.	ug/kg	02/13/95
Tetrachloroethylene	BQL	10.	ug/kg	02/13/95
Toluene	BQL	10.	ug/kg	02/13/95
Total Xylenes	BQL	10.	ug/kg	02/13/95
Trichloroethylene	BQL	10.	ug/kg	02/13/95
Vinyl acetate	BQL	10.	ug/kg	02/13/95
Vinyl chloride	BQL	10.	ug/kg	02/13/95

BQL = Below Quantitation Limit

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 17th Edition, 1989
2. Clean Water Act, List of Approved Test Procedures, 40 CFR, 136.3 July 1, 1989
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987

## **Appendix B**

Analytical Parameter Lists

## Derivation of Tables 1 and 2

Table 1, entitled "A Comparison of UST Soils to Applicable Clean-up Standards," was assembled through the utilization of several data sources. Analytical parameters were selected as follows: First, analytical parameters presented in Table 9-13, "Underground Tank AOC Soils Analytical Data Summary," March 1995 RFI Phase I Report, were selected on the basis that the parameters listed are representative of the site-specific constituent list determined at the time these analyses were performed. All parameters are reported, regardless of whether a compound was quantifiable or not. Second, any parameters presented in Table 7-3, "Appendix IX Derived Landfill Treatment Residue Parameter List," also from the March 1995 RFI Phase I Report, which were not included in Table 9-13, are included in Table 1.

All quantifiable concentrations reported in Table 1 represent the maximum and minimum concentrations determined from the analysis of samples T-3B and T-4B obtained on November 16, 1994 from borings T-3 and T-4, respectively, installed in the area of the east UST. Constituents not quantifiable are reported as "BQL."

Additionally, analytical data obtained from a February 1995 analysis of soil boring samples T-1A, T-2B, T-6A, and T-6B were reviewed, and the data was compared to the values presented in Table 9-13. If any concentration value was found to exceed a minimum or maximum value listed in Table 9-13, the higher value was substituted in the table for that particular constituent.

Units of measure are mg/kg for all parameters, except for certain leachable metals values. For example, the site-specific parameter list included leachable metals analysis. These analytical results are reported in mg/l. Comparable CT GB Mobility Criteria for metals and PCBs by TCLP or SPLP are also reported in mg/l.

Table 1, columns five and six, ~~list the clean-up standards selected for this interim measure~~ CONTAIN THE RELEVANT STANDARDS REFERENCED AS. ~~in column five lists the State of Connecticut GB Mobility Criteria AND STATE OF CONNECTICUT INDUSTRIAL/COMMERCIAL DIRECT EXPOSURE TO SOIL CRITERIA, RESPECTIVELY, AS CODIFIED IN THE REGULATIONS OF STATE OF CONNECTICUT AGENCIES Sections 22a-133k-ET SEQ. 1 through 22a-133k-3 of the Connecticut State Agencies Pollutant Mobility Criteria for Soil. Any constituent from the GB mobility standard list corresponding to any constituent in Table 1 is entered in column five.~~ Column SEVEN ~~six~~ lists the U.S. EPA Soil Screening Levels - Transfers from Soil to Groundwater, as presented in the October 20, 1995 Risk-Based Concentration Table, July - December 1995, from Roy L. Smith, Ph. D., Office of RCRA, Technical & Program Support Branch (3HW70). Any compound for which EPA has established a risk-based value, is entered in column six. If a Soil to Groundwater value is not established for a particular constituent, then the Soil Ingestion, Industrial, value was substituted.

Table 2 is comprised of compounds listed in CFR 261.24, Maximum Concentration of Contaminants of the Toxicity Characteristic, which are not already listed in Table 1. All Table 2 constituents will be analyzed with the Table 1 parameters for the purpose, if necessary, of making a toxicity characteristic determination should excavated soils need to be disposed. These compounds are listed separately to differentiate them from the site-specific parameters.

## Envirite Corporation UST Removal Workplan

**Table 1 of Appendix B (Revised August 30, 1996))**

**Comparing Soil Constituent Concentrations to Applicable Cleanup Standards (p. 1 of 4)**

No	Compound	Min. Conc. Detected	Max. Conc. Detected	CT GB Mobility Std. *	CT Indust. Dir.Exp.**	EPA Risk-Based Levels ***
<b>Volatile Compounds</b>						
1	1,1,1-Trichloroethane	0.0083	0.0083	40.	1,000.	0.9
2	1,1,2-Trichloroethane	BQL	BQL	1.	100.	0.01
3	1,1-Dichloroethene	0.0005	0.0005	1.4	9.5	0.03
4	1,2-Dichloroethane	BQL	BQL	0.2	63.	0.01
5	1,2-Dichloropropane	BQL	BQL	1.0	84.	0.02
6	1,1,2,2-Tetrachloroethane	BQL	BQL	0.1	29.	0.001
7	2-Butanone (MEK)	0.18	0.18	80.	1,000.	1,000,000 <sub>1</sub>
8	2-Chloroethyl vinyl ether	BQL	BQL	NL	NL	51,000 <sub>1</sub>
9	2-Hexanone	0.0012	0.0012	NL	NL	NL
10	4-Methyl-2-pentanone (MIBK)	0.0066	0.0066	14.	1,000.	160,000 <sub>1</sub>
11	Acetone	0.007	0.13	140.	1,000.	8.
12	Acrolein	BQL	BQL	NL	NL	41,000 <sub>1</sub>
13	Benzene	BQL	BQL	0.2	200.	0.02
14	Bromoform	BQL	BQL	NL	720.	0.5
15	Bromomethane	BQL	BQL	NL	NL	0.1
16	Bromodichloromethane	BQL	BQL	NL	NL	0.3
17	Carbon disulfide	0.0015	0.0015	NL	NL	14.
18	Carbon tetrachloride	BQL	BQL	1.	44.	0.03
19	Chlorobenzene	0.0013	0.0013	20	1,000.	0.6
20	Chloroform	0.11	0.11	1.2	940.	0.3
21	Chloroethane	BQL	BQL	NL	NL	33.
22	Chloromethane	BQL	BQL	NL	NL	0.0066
23	Cis-1,2-Dichloroethene	BQL	BQL	14.	1,000.	0.2
24	Cis-1,3-Dichloropropene	BQL	BQL	0.1	32.	0.001
25	Dibromochloromethane	BQL	BQL	0.1	68.	NL
26	1,1-Dichloroethane	BQL	BQL	14.	1,000.	11.
27	Ethylbenzene	0.05	0.05	10.1	1,000.	5.
28	Methylene Chloride	0.002 (J)	0.003 (J)	1.0	760.	0.01
29	Styrene	0.01	0.01	20.	1,000.	2.
30	Tetrachloroethene	0.26	0.26	1.	110.	0.04
31	Toluene	0.0016	0.0016	67.	1,000.	5.
32	Trans-1,2-Dichloroethene	BQL	BQL	20	1,000.	0.3
33	Trans-1,3-Dichloropropene	BQL	BQL	0.1	32.	0.001
34	Trichloroethene	0.11	0.11	1.0	520.	0.02
35	Xylenes (total)	0.1	0.1	19.5	1,000.	74.
36	Vinyl Acetate	BQL	BQL	NL	NL	84.
37	Vinyl Chloride	BQL	BQL	0.40	3.	0.01
<b>Semi-Volatiles</b>						
38	2,4-Dichlorophenol	BQL	BQL	4.	2,500.	0.5
39	2,6-Dichlorophenol	BQL	BQL	NL	NL	NL

## Envirite Corporation UST Removal Workplan

**Table 1 of Appendix B (Revised August 30, 1996)**

**Comparing Soil Constituent Concentrations to Applicable Cleanup Standards** (p. 2 of 4)

No	Compound	Min. Conc. Detected	Max. Conc. Detected	CT GB Mobility Std. *	CT Industl. Dir.Exp.**	EPA Risk-Based Levels ***
40	2-Methylnaphthalene	0.033	0.033	NL	NL	NL
41	2,4,5-Trichlorophenol	BQL	BQL	NL	NL	120.
42	2,4,6-Trichlorophenol	BQL	BQL	NL	NL	0.06
43	Acenaphthene	BQL	BQL	84.	2,500.	200.
44	Anthracene	0.019	0.019	400.	2,500.	4,300.
45	Benzo(a)pyrene	0.1	0.1	1.	1.	4.
46	Benzo(b)fluoranthene	0.089	0.089	1.	7.8	4.
47	Benzo(k)fluoranthene	0.1	0.1	1.	78.	4.
48	Bis(2-ethylhexyl)phthalate	0.16	0.31	11.	410.	11.
49	Butylbenzylphthalate	0.029	0.029	200.	1,000.	68.
50	2-Chlorophenol	BQL	BQL	7.2	2,500.	2.
51	Diethylphthalate	BQL	0.041 (J)	NL	NL	110.
52	Di-n-butylphthalate	0.03 (J)	0.650 (J)	140.	2,500.	NL
53	Di-n-octylphthalate	0.041 (J)	0.041 (J)	20.	2,500.	1,000,000
54	Dibenzofuran	0.02	0.02	NL	NL	120.
55	Diethylphthalate	15 (J)	61 (J)	NL	NL	110.
56	Fluoranthene	0.01	0.21	56.	2,500	980.
57	Fluorene	0.02	0.02	56.	2,500	160.
58	Naphthalene	0.015	0.015	56.	2,500	30.
59	N-Nitrosodiphenylamine	BQL	BQL	NL	NL	0.2
60	N-Nitrosodimethylamine	BQL	BQL	NL	NL	0.11 <sub>1</sub>
61	Phenanthrene	0.011 (J)	0.12	40.	2,500.	NL
62	Pyrene	0.010 (J)	0.16	40.	2,500.	1,400.
<b>Pesticides &amp; PCBs</b>						
63	Alpha-BHC	NA	NA	NL	NL	0.0004
64	Beta-BHC	BQL	BQL	NL	NL	0.002
65	Delta-BHC	0.0011	0.0011	NL	NL	NL
66	Gamma-BHC (Lindane)	0.0005	0.001	0.04	610.	0.006
67	Heptachlor	BQL	BQL	0.013	NL	0.06
68	Aldrin	BQL	BQL	NL	NL	0.005
69	Heptachlor Epoxide	BQL	BQL	0.02	0.63	0.03
70	Dalapon	BQL	BQL	NL	NL	61,000 <sub>1</sub>
71	Dieldrin	BQL	BQL	0.007	0.36	0.001
72	Dinoseb	BQL	BQL	NL	NL	2,000 <sub>1</sub>
73	4,4-DDE	BQL	BQL	NL	NL	0.5
74	4,4-DDT	0.0005	0.0005	NL	NL	1.
75	Endosulfan I	BQL	BQL	NL	NL	3. <sub>5</sub>
76	Endosulfan II	BQL	BQL	NL	NL	3. <sub>5</sub>
77	4,4-DDD	BQL	BQL	NL	NL	0.7
78	Endosulfan Sulfate	BQL	BQL	NL	NL	NL
79	Methoxychlor	BQL	BQL	8.	10,000.	62.
80	Endrin Aldehyde	BQL	BQL	NL	NL	NL

## Envirte Corporation UST Removal Workplan

**Table 1 of Appendix B (Revised August 30, 1996))**

**Comparing Soil Constituent Concentrations to Applicable Cleanup Standards** (p. 3 of 4)

No	Compound	Min. Conc. Detected	Max. Conc. Detected	CT GB Mobility Std. *	CT Industl. Dir.Exp.**	EPA Risk-Based Levels ***
81	Gamma-Chlordane	BQL	BQL	NL	NL	2.
82	Tetrachloro-m-xylene	BQL	BQL	NL	NL	NL
83	Decachlorobiphenyl (PCBs)	BQL	BQL	0.005 <sub>6</sub>	10.	NL
84	Aroclor 1242	BQL	BQL	NL	NL	NL
85	Aroclor 1254	0.0077	0.021	NL	NL	41. <sub>1</sub>
86	Aroclor 1260	BQL	BQL	NL	NL	NL
<b>Herbicides</b>						
87	2,4-D	BQL	BQL	14.	20,000.	1.7
88	2,4-DB	BQL	BQL	NL	NL	16,000 <sub>1</sub>
89	2,4,5-TP (Silvex)	BQL	BQL	NL	NL	16,000 <sub>1</sub>
90	2,4,5-T	BQL	BQL	NL	NL	20,000 <sub>1</sub>
91	Dicamba	BQL	BQL	NL	NL	61,000 <sub>1</sub>
92	Dichloroprop	BQL	BQL	NL	NL	NL
93	MCPA	BQL	BQL	NL	NL	1,000 <sub>1</sub>
94	MCPP	BQL	BQL	NL	NL	2,000 <sub>1</sub>
<b>Total Petroleum Hydrocarbons (TPH)</b>						
95	TPH, by EPA Method 418.1	NA	NA	2,500	2,500.	NL
<b>Metals</b> <span style="float: right;">Leachable units are mg/l</span>						
96	Antimony, total	BQL	BQL	NL	8,200.	820 <sub>1</sub>
97	Antimony, leachable	BQL	BQL	0.06		NL
98	Arsenic, total	0.26	0.28	NL	10.	15.
99	Arsenic, leachable	BQL	BQL	0.5		NL
100	Barium, total	23.	87.	NL	140,000.	32.
101	Barium, leachable	BQL	BQL	10.0		NL
102	Beryllium, total	0.6	0.62	NL	2.	180
103	Beryllium, leachable	BQL	BQL	0.04		NL
104	Cadmium, total	1.1	1.1	NL	1,000.	6.
105	Cadmium, leachable	BQL	BQL	0.05		NL
106	Chromium, total	8.4	50.	NL	51,000.	19. <sub>3</sub>
107	Chromium, leachable	BQL	BQL	0.5		NL
108	Cobalt, total	4.0	8.8	NL	NL	120,000 <sub>1</sub>
109	Cobalt, leachable	BQL	BQL	NL		NL
110	Copper, total	27.	110	NL	76,000.	82,000 <sub>1</sub>
111	Copper, leachable	BQL	BQL	13.		NL
112	Lead, total	1.6	14.	NL	1,000.	400. <sub>4</sub>
113	Lead, leachable	BQL	BQL	0.15		NL
114	Mercury, total	BQL	BQL	BQL	610.	3.
115	Mercury, leachable	BQL	BQL	0.02		NL
116	Nickel, total	9.6	19.	BQL	7,500.	21.
117	Nickel, leachable	BQL	BQL	1.0		NL
118	Selenium, total	BQL	BQL	BQL	10,000.	3.
119	Selenium, leachable	BQL	BQL	0.5		NL
120	Silver, total	0.60	1.2	NL	10,000.	10,000 <sub>1</sub>

## Envirite Corporation UST Removal Workplan

**Table 1 of Appendix B (Revised August 30, 1996))**

**Comparing Soil Constituent Concentrations to Applicable Cleanup Standards (p. 4 of 4)**

No	Compound	Min. Conc. Detected	Max. Conc. Detected	CT GB Mobility Std. *	CT Industl. Dir.Exp.**	EPA Risk-Based Levels ***
121	Silver, leachable	BQL	BQL	0.36		NL
122	Thallium, total	BQL	BQL	NL	160.	0.4
123	Thallium, leachable	BQL	BQL	0.05		NL
124	Tin, Total	BQL	BQL	NL	NL	1,000,000 <sub>1</sub>
125	Tin, Leachable	BQL	BQL	NL		NL
<b>Inorganics</b>						
126	Vanadium, total	33.	40.	NL	14,000.	14,000 <sub>1</sub>
127	Vanadium, leachable	BQL	BQL	0.50		NL
128	Zinc, total	29.	83.	NL	610,000.	42,000
129	Zinc, leachable	0.062	0.080	50.		NL
130	Cyanide, Total	5.8	5.8	NL	41,000	41,000. <sub>2</sub>
131	Cyanide, leachable	NA	NA	2. by SPLP		
132	Sulfide, Total	15.	30.	NL	NL	NL

**Notes:**

All units are mg/kg unless noted otherwise.

- NA - Not analyzed
- NL - Not listed in agency risk guidance
- BQL - Below Method Detection Limit
- 1 - Soil ingestion, industrial, risk-based concentration
- 2 - As free cyanide, soil ingestion, industrial, risk-based concentration
- 3 - Cr<sup>+6</sup> criterion
- 4 - De facto residential soil value
- 5 - As endosulfan
- 6 - DEP standard lists only total PCBs

\* December 1995 State of Connecticut Remediation Standards, section 22a-430 of the General Statutes; Pollutant Mobility Criteria for Soil, GB Mobility Criteria.

\*\* December 1995 State of Connecticut Remediation Standards, section 22a-430 of the General Statutes; Direct Exposure Criteria for Soil, Industrial/Commercial

\*\*\* EPA Region III Risk-Based Concentration Table, July - December 1995; from Roy L. Smith, Office of RCRA, Technical and Program Support Branch (3HW70).  
Soil Screening Levels - Transfers from Soil to Groundwater.

Shaded cells represent exceedences of either a State or Federal clean-up standard.

**Table 2**

**Additional Parameters for Toxicity Characteristic Determination**

No.	Compound	CT GB Mobility Standard *	EPA Risk-Based Standard **	CT Residentl. Direct Exposure	TC Regulatory Level
1	Chlordane	0.066	2.	2.2	0.03
2	o-Cresol	NL	NL	NL	200.0
3	m-Cresol	NL	NL	NL	200.0
4	p-Cresol	NL	NL	NL	200.0
5	Cresol	NL	NL	NL	200.0
6	1,4-Dichlorobenzene	15.	1.	240.	7.5
7	2,4-Dinitrotoluene	NL	0.2	NL	0.13
8	Endrin	NL	0.4	610.	0.02
9	Hexachlorobenzene	1.	0.8	3.6	0.13
10	Hexachlorobutadiene	NL	0.1	NL	0.5
11	Hexachloroethane	1.	0.2	410.	3.0
12	Nitrobenzene	NL	0.09	NL	2.0
13	Pentachlorophenol	1.	0.2	48.	100.0
14	Pyridine	NL	2,000 <sub>1</sub>	NL	5.0
15	Toxaphene	NL	0.04	5.2	0.5

**Notes:**

All units are mg/kg unless noted otherwise.

NL - Not listed in agency risk guidance

<sub>1</sub> - Soil ingestion, industrial, risk-based concentration

\* December 1995 State of Connecticut Remediation Standards, under section 22a-430 of the General Statutes; Pollutant Mobility Criteria for Soil, GB Mobility Criteria.

\*\* December 1995 State of Connecticut Remediation Standards, section 22a-430 of the General Statutes; Direct Exposure Criteria for Soil, Industrial/Commercial

\*\*\* EPA Region III Risk-Based Concentration Table, July - December 1995; from Roy L. Smith, Office of RCRA, Technical and Program Support Branch (3HW70).  
Soil Screening Levels - Transfers from Soil to Groundwater.

**Appendix C**

Chemical Constituent Analysis of West UST

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 07/01/1996  
 Sample Description: West Tank  
 EAS Project Number: 0745-96  
 EAS Sample Number: 9603408  
 Date Sample Received: 07/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Cyanide, Reactive	BQL	10.	mg/L	07/08/96
Flashpoint	> 100		°C	07/10/96
pH	1.3			07/03/96
Sulfide, Reactive	BQL	10.	mg/L	07/12/96
Leachable Metals Digestion - Method SW846				07/12/96
Silver, Leachate	1.1	0.30	mg/L	07/12/96
Arsenic, Leachate	0.63	0.20	mg/L	07/12/96
Barium, Leachate	BQL	5.0	mg/L	07/12/96
Cadmium, Leachate	13.	1.0	mg/L	07/12/96
Chromium, Leachate	920.	40.	mg/L	07/12/96
Mercury, Leachate	0.26	0.050	mg/L	07/12/96
Lead, Leachate	39.	0.60	mg/L	07/12/96
Selenium, Leachate	BQL	0.50	mg/L	07/12/96
Aqueous TCLP Herbicide Extraction - Method SW-846-8150				07/08/96
TCLP for Herbicides - Method SW-846-8000				
2,4,5-TP (Silvex)	BQL	10.	ug/L	07/15/96
2,4-D	BQL	10.	ug/L	07/15/96
Aqueous TCLP Pesticide Extraction - Method 608/8080				07/01/96
TCLP for Pesticides - Method SW-846-8000				
Chlordane	BQL	25.	ug/L	07/18/96
Endrin	BQL	4.0	ug/L	07/18/96
Heptachlor	BQL	4.0	ug/L	07/18/96
Heptachlor epoxide	BQL	4.0	ug/L	07/18/96
Methoxychlor	BQL	4.0	ug/L	07/18/96
Toxaphene	BQL	50.	ug/L	07/18/96
g-BHC (Lindane)	BQL	4.0	ug/L	07/18/96
Aqueous TCLP BNA Extraction - Method SW-846				07/01/96
TCLP Leachate for Semi-VOC's - Method SW-846-8000				
1,4-Dichlorobenzene	BQL	20.	ug/L	07/08/96
2,4,5-Trichlorophenol	BQL	20.	ug/L	07/08/96
2,4,6-Trichlorophenol	BQL	20.	ug/L	07/08/96
2,4-Dinitrotoluene	BQL	20.	ug/L	07/08/96
Total Cresol	BQL	60.	ug/L	07/08/96
Hexachlorobenzene	BQL	20.	ug/L	07/08/96
Hexachlorobutadiene	BQL	20.	ug/L	07/08/96
Hexachloroethane	BQL	20.	ug/L	07/08/96

ENVIRITE CORPORATION  
620 West Germantown Pike  
Plymouth Meeting, PA 19462-

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
Date Sample Collected: 07/01/1996  
Sample Description: West Tank  
EAS Project Number: 0745-96  
EAS Sample Number: 9603408  
Date Sample Received: 07/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
m-Cresol	BQL	20.	ug/L	07/08/96
Nitrobenzene	BQL	20.	ug/L	07/08/96
o-Cresol	BQL	20.	ug/L	07/08/96
p-Cresol	BQL	20.	ug/L	07/08/96
Pentachlorophenol	BQL	100.	ug/L	07/08/96
Pyridine	BQL	20.	ug/L	07/08/96
TCLP Leachate for VOC's - Method SW-846-8000				
1,1-Dichloroethene	BQL	0.10	mg/L	07/15/96
1,2-Dichloroethane	BQL	0.10	mg/L	07/15/96
Benzene	BQL	0.10	mg/L	07/15/96
Carbon tetrachloride	BQL	0.10	mg/L	07/15/96
Chloroform	BQL	0.10	mg/L	07/15/96
Chlorobenzene	BQL	0.10	mg/L	07/15/96
2-Butanone (MEK)	BQL	0.10	mg/L	07/15/96
Tetrachloroethylene	0.16	0.10	mg/L	07/15/96
Trichloroethylene	1.3	0.10	mg/L	07/15/96
Vinyl chloride	BQL	0.10	mg/L	07/15/96

BQL = Below Quantitation Limit

\* Certification \*

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
2. Clean Water Act, List of Approved Test Procedures, 40 CFR.
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987.

# ENVIRITE CORPORATION

TECHNOLOGY FOR THE ENVIRONMENT

November 6, 1996

Via Facsimile and U.S. Mail

Mr. Raphael J. Cody  
U.S. Environmental Protection Agency  
Office of Site Remediation & Site Restoration  
Corrective Action Section -HBT  
J.F.K. Federal Building  
Boston, MA 02203-0001

**Re: Underground Storage Tank (UST) Removal Project: Parameter List Amendment;  
RCRA Docket I-90-1032**

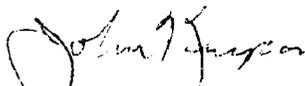
Dear Mr. Cody,

On October 31, 1996, Greg Lawrence and I discussed with you Envirite's site-specific parameter list with respect to the total PCB analytical method. Envirite had listed decachlorobiphenyl as the indicator parameter for total PCBs. We discussed the ambiguity inherent with associating a decachlorobiphenyl concentration value with state and federal PCB clean-up levels. We agreed that a more appropriate approach would be to analyze for the standard seven Aroclors (1016, 1221, 1232, 1242, 1248, 1254, 1260) identified in the analytical method, sum the results, and report the summation of the concentrations as total PCBs.

Attached please find amended pages 3 and 4 of the parameter list reflecting this approach.

Should you have any questions, please do not hesitate to contact me at (860) 274-3789.

Very truly yours,



John Krupa  
Compliance Specialist

enc.

cc: D. Duva, F. Marrazza, T. Mueller, W.R. McTigue, G. Lawrence

Table 1

**A Comparison of Soil Constituent Concentrations  
to Applicable Cleanup Standards**

No	Compound	Min. Conc. Detected	Max. Conc. Detected	CT GA Mobility Std. *	CT Residen. Dir.Exp.**	EPA Risk- Based Levels ***
<b>Volatile Compounds</b>						
1	1,1,1-Trichloroethane	0.0083	0.0083	4.	500.	0.9
2	1,1,2-Trichloroethane	BQL	BQL	0.1	11.	0.01
3	1,1-Dichloroethene	0.0005	0.0005	0.14	1.	0.03
4	1,2-Dichloroethane	BQL	BQL	0.02	6.3.	0.01
5	1,2-Dichloropropane	BQL	BQL	0.1	9.	0.02
6	1,1,2,2-Tetrachloroethane	BQL	BQL	0.01	3.1	0.001
7	2-Butanone (MEK)	0.18	0.18	8.	500.	1,000,000 <sub>1</sub>
8	2-Chloroethyl vinyl ether	BQL	BQL	NL	NL	51,000 <sub>1</sub>
9	2-Hexanone	0.0012	0.0012	NL	NL	NL
10	4-Methyl-2-pentanone (MIBK)	0.0066	0.0066	7.	500.	160,000 <sub>1</sub>
11	Acetone	0.007	0.13	14.	500.	8.
12	Acrolein	BQL	BQL	NL	NL	41,000 <sub>1</sub>
13	Benzene	BQL	BQL	0.02	21.	0.02
14	Bromoform	BQL	BQL	0.08	78.	0.5
15	Bromomethane	BQL	BQL	NL	NL	0.1
16	Bromodichloromethane	BQL	BQL	NL	NL	0.3
17	Carbon disulfide	0.0015	0.0015	NL	NL	14.
18	Carbon tetrachloride	BQL	BQL	0.1	4.7	0.03
19	Chlorobenzene	0.0013	0.0013	2.	500.	0.6
20	Chloroform	0.11	0.11	0.12	100.	0.3
21	Chloroethane	BQL	BQL	NL	NL	33.
22	Chloromethane	BQL	BQL	NL	NL	0.0066
23	Cis-1,2-Dichloroethene	BQL	BQL	1.4	500.	0.2
24	Cis-1,3-Dichloropropene	BQL	BQL	0.01	3.4	0.001
25	Dibromochloromethane	BQL	BQL	0.01	7.3	NL
26	1,1-Dichloroethane	BQL	BQL	1.4	500.	11.
27	Ethylbenzene	0.05	0.05	10.1	500.	5.
28	Methylene Chloride	0.002 (J)	0.003 (J)	0.1	82.	0.01
29	Styrene	0.01	0.01	2.	500.	2.
30	Tetrachloroethene	0.26	0.26	0.1	12.	0.04
31	Toluene	0.0016	0.0016	20.	500.	5.
32	Trans-1,2-Dichloroethene	BQL	BQL	2.	500.	0.3
33	Trans-1,3-Dichloropropene	BQL	BQL	0.01	3.4.	0.001
34	Trichloroethene	0.11	0.11	0.1	56.	0.02
35	Xylenes (total)	0.1	0.1	19.5	500.	74.
36	Vinyl Acetate	BQL	BQL	NL	NL	84.
37	Vinyl Chloride	BQL	BQL	0.04	0.32	0.01
<b>Semi-Volatiles</b>						
38	2,4-Dichlorophenol	BQL	BQL	1.	200.	0.5
39	2,6-Dichlorophenol	BQL	BQL	NL	NL	NL

Table 1

**A Comparison of Soil Constituent Concentrations  
to Applicable Cleanup Standards**

No	Compound	Min. Conc. Detected	Max. Conc. Detected	CT GA Mobility Std. *	CT Residen. Dir.Exp.**	EPA Risk-Based Levels ***
40	2-Methylnaphthalene	0.033	0.033	NL	NL	NL
41	2,4,5-Trichlorophenol	BQL	BQL	NL	NL	120.
42	2,4,6-Trichlorophenol	BQL	BQL	NL	NL	0.06
43	Acenaphthene	BQL	BQL	8.4	1,000.	200.
44	Anthracene	0.019	0.019	40.	1,000.	4,300.
45	Benzo(a)pyrene	0.1	0.1	1.	1.	4.
46	Benzo(b)fluoranthene	0.089	0.089	1.	1.	4.
47	Benzo(k)fluoranthene	0.1	0.1	1.	8.4	4.
48	Bis(2-ethylhexyl)phthalate	0.16	0.31	1.	44.	11.
49	Butylbenzylphthalate	0.029	0.029	20.	1,000.	68.
50	2-Chlorophenol	BQL	BQL	1.	340.	2.
51	Diethylphthalate	BQL	0.041 (J)	NL	NL	110.
52	Di-n-butylphthalate	0.03 (J)	0.650 (J)	14.	1,000.	NL
53	Di-n-octylphthalate	0.041 (J)	0.041 (J)	2.	1,000.	1,000,000
54	Dibenzofuran	0.02	0.02	NL	NL	120.
55	Diethylphthalate	15 (J)	61 (J)	NL	NL	110.
56	Fluoranthene	0.01	0.21	5.6	1,000	980.
57	Fluorene	0.02	0.02	5.6	1,000	160.
58	Naphthalene	0.015	0.015	5.6	1,000	30.
59	N-Nitrosodiphenylamine	BQL	BQL	NL	NL	0.2
60	N-Nitrosodimethylamine	BQL	BQL	NL	NL	0.11 <sub>1</sub>
61	Phenanthrene	0.011 (J)	0.12	4.	1,000.	NL
62	Pyrene	0.010 (J)	0.16	4.	1,000.	1,400.
<b>Pesticides &amp; PCBs</b>						
63	Alpha-BHC	NA	NA	NL	NL	0.0004
64	Beta-BHC	BQL	BQL	NL	NL	0.002
65	Delta-BHC	0.0011	0.0011	NL	NL	NL
66	Gamma-BHC (Lindane)	0.0005	0.001	0.02	20.	0.006
67	Heptachlor	BQL	BQL	0.013	NL	0.06
68	Aldrin	BQL	BQL	NL	NL	0.005
69	Heptachlor Epoxide	BQL	BQL	0.02	0.063	0.03
70	Dalapon	BQL	BQL	NL	NL	61,000 <sub>1</sub>
71	Dieldrin	BQL	BQL	0.007	0.038	0.001
72	Dinoseb	BQL	BQL	NL	NL	2,000 <sub>1</sub>
73	4,4-DDE	BQL	BQL	NL	NL	0.5
74	4,4-DDT	0.0005	0.0005	NL	NL	1.
75	Endosulfan I	BQL	BQL	NL	NL	3. <sub>5</sub>
76	Endosulfan II	BQL	BQL	NL	NL	3. <sub>5</sub>
77	4,4-DDD	BQL	BQL	NL	NL	0.7
78	Endosulfan Sulfate	BQL	BQL	NL	NL	NL
79	Methoxychlor	BQL	BQL	0.8	340.	62.
80	Endrin Aldehyde	BQL	BQL	NL	NL	NL

Table 1

**A Comparison of Soil Constituent Concentrations  
to Applicable Cleanup Standards**

No	Compound	Min. Conc. Detected	Max. Conc. Detected	CT GA Mobility Std.*	CT Residen. Dir.Exp.**	EPA Risk-Based Levels ***
81	Gamma-Chlordane	BQL	BQL	NL	NL	2.
82	Tetrachloro-m-xylene	BQL	BQL	NL	NL	NL
83	Total PCBs	BQL	BQL	0.0005	1.	0.74 <sub>1</sub>
84	Aroclor 1016	BQL	BQL	NL	NL	140 <sub>1</sub>
85	Aroclor 1221	BQL	BQL	NL	NL	NL
86	Aroclor 1232	BQL	BQL	NL	NL	NL
87	Aroclor 1242	BQL	BQL	NL	NL	NL
88	Aroclor 1248	BQL	BQL	NL	NL	NL
89	Aroclor 1254	0.0077	0.021	NL	NL	41 <sub>1</sub>
90	Aroclor 1260	BQL	BQL	NL	NL	NL
<b>Herbicides</b>						
99	2,4-D	BQL	BQL	1.4	680.	1.7
100	2,4-DB	BQL	BQL	NL	NL	16,000 <sub>1</sub>
101	2,4,5-TP (Silvex)	BQL	BQL	NL	NL	16,000 <sub>1</sub>
102	2,4,5-T	BQL	BQL	NL	NL	20,000 <sub>1</sub>
103	Dicamba	BQL	BQL	NL	NL	61,000 <sub>1</sub>
104	Dichloroprop	BQL	BQL	NL	NL	NL
105	MCPA	BQL	BQL	NL	NL	1,000 <sub>1</sub>
106	MCPP	BQL	BQL	NL	NL	2,000 <sub>1</sub>
<b>Total Petroleum Hydrocarbons (TPH)</b>						
107	TPH, by EPA Method 418.1	NA	NA	500	500.	NL
<b>Metals</b> <span style="float:right">Leachable units are mg/l</span>						
108	Antimony, total	BQL	BQL	NL	27.	820 <sub>1</sub>
109	Antimony, leachable	BQL	BQL	0.006		NL
110	Arsenic, total	0.26	0.28	NL	10.	15.
111	Arsenic, leachable	BQL	BQL	0.05		NL
112	Barium, total	23.	87.	NL	4700.	32.
113	Barium, leachable	BQL	BQL	1.0		NL
114	Beryllium, total	0.6	0.62	NL	2.	180
115	Beryllium, leachable	BQL	BQL	0.004		NL
116	Cadmium, total	1.1	1.1	NL	34.	6.
117	Cadmium, leachable	BQL	BQL	0.005		NL
118	Chromium, total	8.4	50.	NL	100. <sub>3</sub>	19. <sub>3</sub>
119	Chromium, leachable	BQL	BQL	0.05		NL
120	Cobalt, total	4.0	8.8	NL	NL	120,000 <sub>1</sub>
121	Cobalt, leachable	BQL	BQL	NL		NL
122	Copper, total	27.	110	NL	2,500.	82,000 <sub>1</sub>
123	Copper, leachable	BQL	BQL	1.3		NL
124	Lead, total	1.6	14.	NL	500.	400. <sub>4</sub>
125	Lead, leachable	BQL	BQL	0.015		NL
126	Mercury, total	BQL	BQL	BQL	20.	3.
127	Mercury, leachable	BQL	BQL	0.002		NL
128	Nickel, total	9.6	19.	BQL	1,400.	21.

**Table 1**

**A Comparison of Soil Constituent Concentrations  
to Applicable Cleanup Standards**

No	Compound	Min. Conc. Detected	Max. Conc. Detected	CT GA Mobility Std. *	CT Residen. Dir.Exp.**	EPA Risk-Based Levels ***
129	Nickel, leachable	BQL	BQL	0.1		NL
130	Selenium, total	BQL	BQL	BQL	340.	3.
131	Selenium, leachable	BQL	BQL	0.05		NL
132	Silver, total	0.60	1.2	NL	340.	10,000 <sub>1</sub>
133	Silver, leachable	BQL	BQL	0.036		NL
134	Thallium, total	BQL	BQL	NL	5.4	0.4
135	Thallium, leachable	BQL	BQL	0.005		NL
136	Tin, Total	BQL	BQL	NL	NL	1,000,000 <sub>1</sub>
137	Tin, Leachable	BQL	BQL	NL		NL
<b>Inorganics</b>						
138	Vanadium, total	33.	40.	NL	470.	14,000 <sub>1</sub>
139	Vanadium, leachable	BQL	BQL	0.05		NL
140	Zinc, total	29.	83.	NL	20,000.	42,000
141	Zinc, leachable	0.062	0.080	5.		NL
142	Cyanide, Total	5.8	5.8	NL	1,400	41,000. <sub>2</sub>
143	Cyanide, leachable	NA	NA	0.2 by SPLP		
144	Sulfide, Total	15.	30.	NL	NL	NL

Notes:

All units are mg/kg unless noted otherwise.

- NA - Not analyzed
- NL - Not listed in agency risk guidance
- BQL - Below Method Detection Limit
- 1 - Soil ingestion, industrial, risk-based concentration
- 2 - As free cyanide, soil ingestion, industrial, risk-based concentration
- 3 - Cr<sup>6+</sup> criterion
- 4 - De facto residential soil value
- 5 - As endosulfan

\* December 1995 State of Connecticut Remediation Standards, section 22a-430 of the General Statutes; Pollutant Mobility Criteria for Soil, GB Mobility Criteria.

\*\* December 1995 State of Connecticut Remediation Standards, section 22a-430 of the General Statutes; Direct Exposure Criteria for Soil, Industrial/Commercial

\*\*\* EPA Region III Risk-Based Concentration Table, July - December 1995; from Roy L. Smith, Office of RCRA, Technical and Program Support Branch (3HW70).  
Soil Screening Levels - Transfers from Soil to Groundwater.

Shaded cells represent exceedences of either a State or Federal clean-up standard.

**Table 2**

**Additional Parameters for Toxicity Characteristic Determination**

No.	Compound	CT GA Mobility Standard *	EPA Risk- Based Standard **	CT Residntl. Direct Exposure	TC Regulatory Level
1	Chlordane	0.066	2.	0.49	0.03
2	o-Cresol	NL	NL	NL	200.0
3	m-Cresol	NL	NL	NL	200.0
4	p-Cresol	NL	NL	NL	200.0
5	Cresol	NL	NL	NL	200.0
6	1,4-Dichlorobenzene	1.5	1.	26.	7.5
7	2,4-Dinitrotoluene	NL	0.2	NL	0.13
8	Endrin	NL	0.4	20.	0.02
9	Hexachlorobenzene	1.	0.8	3.6	0.13
10	Hexachlorobutadiene	NL	0.1	NL	0.5
11	Hexachloroethane	1.	0.2	44.	3.0
12	Nitrobenzene	NL	0.09	NL	2.0
13	Pentachlorophenol	1.	0.2	5.1	100.0
14	Pyridine	NL	2,000 <sub>1</sub>	NL	5.0
15	Toxaphene	0.33	0.04	0.56	0.5

**Notes:**

All units are mg/kg unless noted otherwise.

- NL - Not listed in agency risk guidance
- 1 - Soil ingestion, industrial, risk-based concentration

\* December 1995 State of Connecticut Remediation Standards, under section 22a-430 of the General Statutes; Pollutant Mobility Criteria for Soil, GA Mobility Criteria.

\*\* December 1995 State of Connecticut Remediation Standards, section 22a-430 of the General Statutes; Direct Exposure Criteria for Soil, Residential Criteria.

\*\*\* EPA Region III Risk-Based Concentration Table, July - December 1995; from Roy L. Smith, Office of RCRA, Technical and Program Support Branch (3HW70).  
Soil Screening Levels - Transfers from Soil to Groundwater.

# ENVIRITE CORPORATION

TECHNOLOGY FOR THE ENVIRONMENT

November 8, 1996

Via Facsimile & U.S. Mail

Mr. Raphael J. Cody  
U.S. Environmental Protection Agency  
Office of Site Remediation & Restoration  
Corrective Action Section — HBT  
J.F.K. Federal Building,  
Boston, MA 02203-0001

**Re: RFI Status Report for the Month of October 1996; RCRA Docket I-90-1032**

Dear Mr. Cody:

The following report summarizes the current status of Envirite's RFI project for the month of October 1996. The report adheres to the requirements specified in the Consent Order at Attachment section IV. E. 2.

## Tasks Completed

UST Remediation Project: Envirite received on October 10 DEP's written approval of proposed remediation and notification schedules submitted pursuant to the Connecticut Transfer Act. Envirite thereupon proceeded with the approved notification requirements. Envirite published notice in the October 15, 1996 edition of the Waterbury Republican-American newspaper, erected a project information sign at the site, and notified by telephone and in writing the Area Director of Health of the project start date.

On October 11, Envirite instructed its remediation contractor, Aaron Environmental Specialists, to proceed with implementation scheduling. Aaron's project manager visited the site with me on October 16 to familiarize himself with the setting and assess equipment and personnel needs.

At this time arrangements were made and approvals obtained for the transportation, treatment, and disposal of the west UST liquid. The liquid contained in the west UST was removed on October 29 and transported to Envirite's Canton, Ohio facility for treatment. The volume of liquid was gauged at the treatment facility at 970 gallons, consistent with the estimated 1,000 gallon nominal volume of the UST.

The UST remediation crew mobilized at the site on October 30. The exclusion zone was established and decontamination and materials storage areas were erected. The on-set of rain forced curtailment of work for the duration of the day.

Work resumed the following day with commencement of the west UST excavation. The top of the UST was unearthed approximately five feet below grade. The majority of the tank surface was exposed, and the tank was inspected to assess its integrity. Soils were excavated and segregated according to the protocols of the workplan. Approximately eight inches of solids were detected on the tank's bottom with approximately one half yard of soil that had entered the manway of the tank during excavation. This material was sampled and field tested. The solids were silty in nature with an acid pH and characteristic odor. The decision was made to remove these solids before attempting to remove the tank from the excavation. This was accomplished by elevating the tank and placing it atop backfilled soils within the excavation. This approach afforded a safe working environment for personnel to cut into the tank and remove the top, two-thirds of the tank and remove the contaminated solids to a roll-off container. The tank interior was wiped clean, and the tank remnants were placed in the roll-off container for future shipment. Samples were obtained from excavated soils, the UST contents, and the excavation sidewalls and bottom in accordance with the workplan. All excavated materials were covered with plastic sheeting. The excavation itself was covered to prevent infiltration of rain, and the work zone was fenced to prevent unauthorized entry pending sample analysis.

Excavation of the east UST commenced on November 1. Remnants of this tank were unearthed approximately five feet below grade. Soils from the 0-5 fbg. level were placed on plastic sheeting and covered pending lab analysis. It became apparent that the tank could not be removed intact, and the decision was made to excavate the tank remnants and surrounding soils simultaneously, with all excavated materials from this level to be placed in roll-off containers for future disposal.

Soils and tank remnants were excavated to the level where the tank dish could be sampled and evaluated. The material was observed to be soil-like in consistency, but dissimilar in color to the native soils and possessed a characteristic sulfide odor. The majority of this material was excavated in situ from the tank dish using the backhoe (for safety sake personnel were not allowed to enter the excavation for this function). The tank dish was observed to be intact. In the process of removing the tank dish, approximately 1 cu. ft of the solids from the tank dish dropped into the excavation. The majority of this material was removed using the backhoe, but not all of the contaminated media could not be removed using the equipment on hand. Appropriate equipment has been scheduled for November 12 to complete the excavation. Envirite proposes to conduct field sampling to evaluate the effectiveness of the east UST clean-up. Grab samples will be analyzed for pH and residual sulfide to assess the clean-up efficiency.

Draft, unvalidated analytical results are attached (the reports became available only today and have been subjected to final review or validation). A preliminary review of the data reveals no constituent concentration in exceedence of any applicable state or federal remediation standard. Pending final assessment of the data, the UST excavations will be closed. Analytical results for the contaminated media and materials currently residing in shipping containers will be sent to an

appropriate off-site disposal facility. These materials will be shipped as soon as possible - most likely before month's end.

Risk Assessment (PHERE) Implementation Plans: A site reconnaissance was conducted on Monday, October 14 for the purpose of familiarizing our risk consultant's project scientist with the site ecology and topography.

Response to EPA July 1996 Comments: Envirite held teleconferences with EPA personnel on October 25 and October 28 for the purpose of resolving uncertainties over the EPA's validation comments and concerns. These uncertainties have been resolved, and Envirite will transfer this information to its consultant for incorporation into their report.

Soil Classification at Thomaston POTW: The CT DEP has made a determination in the classification of soils potentially impacted 1988 effluent spill at the Thomaston POTW. Their determination is that the soils are not RCRA hazardous material and, therefore, not subject to RCRA Subpart C management.

#### Tasks Not Completed

Preparation of a workplan for the determination of permeability and long-term stability of the pre-RCRA landfill treatment residues in cells 1, 2, and 3 at the site.

Submission of response to all specific comments and concerns listed by EPA in Attachment 1 of its July 25, 1996, Phase I approval letter.

#### Sampling/Analytical Results

Preliminary UST related analytical results are attached. I emphasize, however, that the data is subject to review and validation.

#### Problem Areas

Delays incurred primarily as a result of the various requirements of the Connecticut Transfer Act notification process have prevented Envirite from meeting its November 5 deadline for completion of the UST remediation phase of work. No additional problem areas have been identified that will significantly impede a timely completion of the scheduled work activities.

#### Projected Tasks

Envirite anticipates completion of the following tasks over the course of the next two months:

- \* Completion of the USTs remediation project - Envirite anticipates returning to the site to backfill the UST excavations on Tuesday, November 12. Disposal of tank materials and media will be as soon as possible.

- \* Preparation of a workplan for the determination of permeability and long-term stability of the pre-RCRA landfill treatment residues in cells 1, 2, and 3 at the site.
- \* Submission of response to all specific comments and concerns posed by EPA in its July 25, 1996 Phase I approval letter, attachment 1.

Please let me know if you have any questions regarding this report.

Very truly yours,



John Krupa  
Compliance Specialist

enc.

cc: C. Brammer, 1st Selectman, Thomaston  
D. Duva, CT DEP  
F. Marrazza, Environ  
T. Mueller, Thomaston WPCA  
W. McTigue, Envirite

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

DRAFT

FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: West UST Sidewall Composite  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605885  
 Date Sample Received: 11/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Herbicide Extraction				11/03/96
Solid Pesticide/PCB Extraction				11/05/96
Cyanide - Leachable	BQL	0.10	mg/L	11/05/96
Cyanide, Total	BQL	5.0	mg/kg	11/05/96
Sulfide, Total	BQL	10.	mg/kg	11/05/96
Total Petroleum Hydrocarbons	BQL	40.	mg/kg	11/07/96
Leachable Metals Digestion - Method SW846				11/06/96
Metal's Digestion for Solid Samples - Method SW-846-3050				11/06/96
Silver, Leachate	0.00	0.30	mg/L	/ /
Arsenic, Leachate	BQL	0.050	mg/L	11/06/96
Barium, Leachate	0.00	5.0	mg/L	/ /
Beryllium, Leachate	0.00	0.20	mg/L	/ /
Cadmium, Leachate	BQL	0.0050	mg/L	11/08/96
Cobalt, Leachate	0.00	0.50	mg/L	/ /
Chromium, Leachate	BQL	0.050	mg/L	11/08/96
Copper, Leachate	BQL	0.20	mg/L	11/08/96
Mercury, Leachate	BQL	0.0020	mg/L	11/08/96
Nickel, Leachate	BQL	0.030	mg/L	11/08/96
Lead, Leachate	BQL	0.015	mg/L	11/08/96
Antimony, Leachate	BQL	0.0050	mg/L	11/08/96
Selenium, Leachate	BQL	0.050	mg/L	11/06/96
Tin, Leachate	0.00	1.0	mg/L	/ /
Thallium, Leachate	BQL	0.0050	mg/L	11/08/96
Vanadium, Leachate	0.00	10.	mg/L	/ /
Zinc, Leachate	BQL	1.0	mg/L	11/08/96
Silver, Total	0.00	0.60	mg/kg	/ /
Arsenic, Total	BQL	1.0	mg/kg	11/06/96
Barium, Total	0.00	50.	mg/kg	/ /
Beryllium, Total	0.00	0.40	mg/kg	/ /
Cadmium, Total	0.28	0.10	mg/kg	11/08/96
Cobalt, Total	0.00	1.0	mg/kg	/ /
Chromium, Total	19.	1.0	mg/kg	11/08/96
Copper, Total	46.	0.40	mg/kg	11/08/96
Mercury, Total	BQL	0.10	mg/kg	11/08/96
Nickel, Total	13.	0.60	mg/kg	11/08/96
Lead, Total	5.4	1.2	mg/kg	11/08/96
Antimony, Total	BQL	10.	mg/kg	11/08/96
Selenium, Total	BQL	1.0	mg/kg	11/06/96

ENVIRITE CORPORATION  
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 EAS Project Number: 1306-96  
 EAS Sample Number: 9605885  
 Date Sample Received: 11/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Tin, Total	0.00	16.	mg/kg	/ /
Thallium, Total	BQL	0.40	mg/kg	11/08/96
Vanadium, Total	0.00	20.	mg/kg	/ /
Zinc, Total	38.	2.0	mg/kg	11/08/96
Base/Neutral and Acidic Extractable - Method SW-846-8270				11/04/96
Semi-Volatiles List - Thomaston RFI - Method 8270				
1,4-Dichlorobenzene	BQL	330.	ug/kg	11/07/96
2,4,5-Trichlorophenol	BQL	330.	ug/kg	11/07/96
2,4,6-Trichlorophenol	BQL	330.	ug/kg	11/07/96
2,4-Dichlorophenol	BQL	330.	ug/kg	11/07/96
2,4-Dinitrotoluene	BQL	330.	ug/kg	11/07/96
2,6-Dichlorophenol	BQL	330.	ug/kg	11/07/96
2-Chlorophenol	BQL	330.	ug/kg	11/07/96
2-Methylnaphthalene	340.	330.	ug/kg	11/07/96
Acenaphthene	180.	J 330.	ug/kg	11/07/96
Anthracene	170.	J 330.	ug/kg	11/07/96
Bis (2-ethylhexyl) phthalate	33.	J 330.	ug/kg	11/07/96
Butyl benzylphthalate	BQL	330.	ug/kg	11/07/96
Total Cresol	BQL	990.	ug/kg	11/07/96
Dibenzofuran	190.	J 330.	ug/kg	11/07/96
Diethylphthalate	49.	J 330.	ug/kg	11/07/96
Di-n-octylphthalate	BQL	330.	ug/kg	11/07/96
Di-n-butylphthalate	530.	330.	ug/kg	11/07/96
Fluoranthene	630.	330.	ug/kg	11/07/96
Fluorene	210.	J 330.	ug/kg	11/07/96
Hexachlorobenzene	BQL	330.	ug/kg	11/07/96
Hexachlorobutadiene	BQL	330.	ug/kg	11/07/96
Hexachloroethane	BQL	330.	ug/kg	11/07/96
m-Cresol	BQL	330.	ug/kg	11/07/96
Naphthalene	85.	J 330.	ug/kg	11/07/96
Nitrobenzene	BQL	330.	ug/kg	11/07/96
N-Nitrosodimethylamine	BQL	330.	ug/kg	11/07/96
N-Nitrosodiphenylamine	BQL	330.	ug/kg	11/07/96
o-Cresol	BQL	330.	ug/kg	11/07/96
p-Cresol	BQL	330.	ug/kg	11/07/96
Pentachlorophenol	BQL	1700.	ug/kg	11/07/96
Phenanthrene	790.	330.	ug/kg	11/07/96
Pyrene	330.	330.	ug/kg	11/07/96
Pyridine	BQL	330.	ug/kg	11/07/96

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LABORATORY ONLY

Parameter	Data	Quantitation Limit	Units	Analysis Date
Benzo (a) pyrene	230.	J 330.	ug/kg	11/07/96
Benzo (b) fluoranthene	140.	J 330.	ug/kg	11/07/96
Benzo (k) fluoranthene	150.	J 330.	ug/kg	11/07/96
Solid Matrix Herbicides Long - Method 8150				
2,4,5-T	BQL	0.010	mg/kg	11/06/96
2,4,5-TP (Silvex)	BQL	0.010	mg/kg	11/06/96
2,4-D	BQL	0.050	mg/kg	11/06/96
2,4-DB	BQL	0.050	mg/kg	11/06/96
Dalapon	BQL	1.0	mg/kg	11/06/96
Dicamba	BQL	0.010	mg/kg	11/06/96
Dichloroprop	BQL	0.050	mg/kg	11/06/96
Dinoseb	BQL	0.010	mg/kg	11/06/96
MCPA	BQL	10.	mg/kg	11/06/96
MCPP	BQL	10.	mg/kg	11/06/96
Solid Matrix PCB's - Method 608/8080				
Aroclor 1016	BQL	0.033	mg/kg	11/07/96
Aroclor 1221	BQL	0.033	mg/kg	11/07/96
Aroclor 1232	BQL	0.033	mg/kg	11/07/96
Aroclor 1242	BQL	0.033	mg/kg	11/07/96
Aroclor 1248	BQL	0.033	mg/kg	11/07/96
Aroclor 1254	BQL	0.033	mg/kg	11/07/96
Aroclor 1260	BQL	0.033	mg/kg	11/07/96
Solid Matrix Pesticides - Method 608/8080				
4,4'-DDD	BQL	4.0	ug/kg	11/07/96
4,4'-DDE	BQL	4.0	ug/kg	11/07/96
4,4'-DDT	BQL	4.0	ug/kg	11/07/96
Aldrin	BQL	2.0	ug/kg	11/07/96
Dieldrin	BQL	4.0	ug/kg	11/07/96
Endosulfan sulfate	BQL	4.0	ug/kg	11/07/96
Endrin aldehyde	BQL	4.0	ug/kg	11/07/96
Endrin	BQL	4.0	ug/kg	11/07/96
Endrin ketone	BQL	4.0	ug/kg	11/07/96
Heptachlor	BQL	2.0	ug/kg	11/07/96
Heptachlor epoxide	BQL	2.0	ug/kg	11/07/96
Methoxychlor	BQL	20.	ug/kg	11/07/96
a-BHC	BQL	2.0	ug/kg	11/07/96
a-Chlordane	BQL	4.0	ug/kg	11/07/96

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 EAS Sample Number: 9605885  
 Date Sample Received: 11/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Endosulfan I	BQL	4.0	ug/kg	11/07/96
b-BHC	BQL	2.0	ug/kg	11/07/96
b-Chlordane	BQL	4.0	ug/kg	11/07/96
Endosulfan II	BQL	4.0	ug/kg	11/07/96
d-BHC	BQL	2.0	ug/kg	11/07/96
g-BHC (Lindane)	BQL	2.0	ug/kg	11/07/96
Solid Matrix Toxaphene/Chlordane - Method 608/8080				
Chlordane	BQL	30.	ug/kg	11/07/96
Toxaphene	BQL	100.	ug/kg	11/07/96
Synthetic Rain Leaching Procedure				11/04/96
RFI Volatile list - Soils - Method 8260				
1,1,1-Trichloroethane	BQL	10.	ug/kg	11/06/96
1,1,2,2-Tetrachloroethane	BQL	10.	ug/kg	11/06/96
1,1,2-Trichloroethane	BQL	10.	ug/kg	11/06/96
1,1-Dichloroethane	BQL	10.	ug/kg	11/06/96
1,1-Dichloroethene	BQL	10.	ug/kg	11/06/96
1,2-Dichloroethane	BQL	10.	ug/kg	11/06/96
1,2-Dichloropropane	BQL	10.	ug/kg	11/06/96
Dibromochloromethane	BQL	10.	ug/kg	11/06/96
2-Chloroethyl vinyl ether	BQL	10.	ug/kg	11/06/96
2-Hexanone	BQL	10.	ug/kg	11/06/96
Acetone	1.6	J 10.	ug/kg	11/06/96
Acrolein	BQL	100.	ug/kg	11/06/96
Benzene	BQL	10.	ug/kg	11/06/96
Bromodichloromethane	BQL	10.	ug/kg	11/06/96
Bromomethane	BQL	10.	ug/kg	11/06/96
Bromoform	BQL	10.	ug/kg	11/06/96
cis-1,2-Dichloroethene	BQL	10.	ug/kg	11/06/96
cis-1,3-Dichloropropene	BQL	1.0	ug/kg	11/06/96
Carbon disulfide	BQL	10.	ug/kg	11/06/96
Carbon tetrachloride	BQL	10.	ug/kg	11/06/96
Chloroform	BQL	10.	ug/kg	11/06/96
Chlorobenzene	BQL	10.	ug/kg	11/06/96
Chloroethane	BQL	10.	ug/kg	11/06/96
Chloromethane	BQL	6.6	ug/kg	11/06/96
Ethylbenzene	BQL	10.	ug/kg	11/06/96
Methylene chloride	3.3	J 10.	ug/kg	11/06/96
2-Butanone (MEK)	BQL	10.	ug/kg	11/06/96

ENVIRITE CORPORATION  
620 West Germantown Pike  
Plymouth Meeting, PA 19462-

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FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
Date Sample Collected: 11/01/1996  
Sample Description: West UST Sidewall Composite  
EAS Project Number: 1306-96  
EAS Sample Number: 9605885  
Date Sample Received: 11/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
4-Methyl-2-Pentanone	BQL	10.	ug/kg	11/06/96
Styrene	BQL	10.	ug/kg	11/06/96
trans-1,2-Dichloroethene	BQL	10.	ug/kg	11/06/96
trans-1,3-Dichloropropene	BQL	1.0	ug/kg	11/06/96
Tetrachloroethylene	BQL	10.	ug/kg	11/06/96
Toluene	BQL	10.	ug/kg	11/06/96
Total Xylenes	BQL	10.	ug/kg	11/06/96
Trichloroethylene	BQL	10.	ug/kg	11/06/96
Vinyl acetate	BQL	10.	ug/kg	11/06/96
Vinyl chloride	BQL	10.	ug/kg	11/06/96

BQL = Below Quantitation Limit

\* Certification \*

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
2. Clean Water Act, List of Approved Test Procedures, 40 CFR.
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987.

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

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FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: West UST Composite - 5'- Bottom of Grave  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605883  
 Date Sample Received: 11/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Herbicide Extraction				11/03/96
Solid Pesticide/PCB Extraction				11/05/96
Cyanide - Leachable	BQL	0.10	mg/L	11/05/96
Cyanide, Total	BQL	5.0	mg/kg	11/05/96
Sulfide, Total	19.	10.	mg/kg	11/05/96
Total Petroleum Hydrocarbons	BQL	40.	mg/kg	11/07/96
Leachable Metals Digestion - Method SW846				11/06/96
Metal's Digestion for Solid Samples - Method SW-846-3050				11/06/96
Silver, Leachate	0.00	0.30	mg/L	/ /
Arsenic, Leachate	BQL	0.050	mg/L	11/06/96
Barium, Leachate	0.00	5.0	mg/L	/ /
Beryllium, Leachate	0.00	0.20	mg/L	/ /
Cadmium, Leachate	BQL	0.0050	mg/L	11/08/96
Cobalt, Leachate	0.00	0.50	mg/L	/ /
Chromium, Leachate	BQL	0.050	mg/L	11/08/96
Copper, Leachate	BQL	0.20	mg/L	11/08/96
Mercury, Leachate	BQL	0.0020	mg/L	11/08/96
Nickel, Leachate	BQL	0.030	mg/L	11/08/96
Lead, Leachate	BQL	0.015	mg/L	11/08/96
Antimony, Leachate	BQL	0.0050	mg/L	11/08/96
Selenium, Leachate	BQL	0.050	mg/L	11/06/96
Tin, Leachate	0.00	1.0	mg/L	/ /
Thallium, Leachate	BQL	0.0050	mg/L	11/08/96
Vanadium, Leachate	0.00	10.	mg/L	/ /
Zinc, Leachate	BQL	1.0	mg/L	11/08/96
Silver, Total	0.00	0.60	mg/kg	/ /
Arsenic, Total	BQL	1.0	mg/kg	11/06/96
Barium, Total	0.00	50.	mg/kg	/ /
Beryllium, Total	0.00	0.40	mg/kg	/ /
Cadmium, Total	0.44	0.10	mg/kg	11/08/96
Cobalt, Total	0.00	1.0	mg/kg	/ /
Chromium, Total	28.	1.0	mg/kg	11/08/96
Copper, Total	64.	0.40	mg/kg	11/08/96
Mercury, Total	BQL	0.10	mg/kg	11/08/96
Nickel, Total	15.	0.60	mg/kg	11/08/96
Lead, Total	10.	1.2	mg/kg	11/08/96
Antimony, Total	BQL	10.	mg/kg	11/08/96
Selenium, Total	BQL	1.0	mg/kg	11/06/96

ENVIRITE CORPORATION  
 620 West Germantown Pike  
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11/15/96

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: West UST Composite - 5'- Bottom of Grave  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605883  
 Date Sample Received: 11/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Tin, Total	0.00	16.	mg/kg	/ /
Thallium, Total	BQL	0.40	mg/kg	11/08/96
Vanadium, Total	0.00	20.	mg/kg	/ /
Zinc, Total	42.	2.0	mg/kg	11/08/96
Base/Neutral and Acidic Extractable - Method SW-846-8270				11/04/96
Semi-Volatiles List - Thomaston RFI - Method 8270				
1,4-Dichlorobenzene	BQL	330.	ug/kg	11/07/96
2,4,5-Trichlorophenol	BQL	330.	ug/kg	11/07/96
2,4,6-Trichlorophenol	BQL	330.	ug/kg	11/07/96
2,4-Dichlorophenol	BQL	330.	ug/kg	11/07/96
2,4-Dinitrotoluene	BQL	330.	ug/kg	11/07/96
2,6-Dichlorophenol	BQL	330.	ug/kg	11/07/96
2-Chlorophenol	BQL	330.	ug/kg	11/07/96
2-Methylnaphthalene	BQL	330.	ug/kg	11/07/96
Acenaphthene	BQL	330.	ug/kg	11/07/96
Anthracene	8.6	J 330.	ug/kg	11/07/96
Bis (2-ethylhexyl) phthalate	39.	J 330.	ug/kg	11/07/96
Butyl benzylphthalate	BQL	330.	ug/kg	11/07/96
Total Cresol	BQL	990.	ug/kg	11/07/96
Dibenzofuran	BQL	330.	ug/kg	11/07/96
Diethylphthalate	BQL	330.	ug/kg	11/07/96
Di-n-octylphthalate	BQL	330.	ug/kg	11/07/96
Di-n-butylphthalate	3400.	330.	ug/kg	11/07/96
Fluoranthene	100.	J 330.	ug/kg	11/07/96
Fluorene	BQL	330.	ug/kg	11/07/96
Hexachlorobenzene	BQL	330.	ug/kg	11/07/96
Hexachlorobutadiene	BQL	330.	ug/kg	11/07/96
Hexachloroethane	BQL	330.	ug/kg	11/07/96
m-Cresol	BQL	330.	ug/kg	11/07/96
Naphthalene	BQL	330.	ug/kg	11/07/96
Nitrobenzene	BQL	330.	ug/kg	11/07/96
N-Nitrosodimethylamine	BQL	330.	ug/kg	11/07/96
N-Nitrosodiphenylamine	BQL	330.	ug/kg	11/07/96
o-Cresol	BQL	330.	ug/kg	11/07/96
p-Cresol	BQL	330.	ug/kg	11/07/96
Pentachlorophenol	BQL	1700.	ug/kg	11/07/96
Phenanthrene	47.	J 330.	ug/kg	11/07/96
Pyrene	82.	J 330.	ug/kg	11/07/96
Pyridine	BQL	330.	ug/kg	11/07/96

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

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Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: West UST Composite - 5'- Bottom of Grave  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605883  
 Date Sample Received: 11/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Benzo (a) pyrene	57.	J 330.	ug/kg	11/07/96
Benzo (b) fluoranthene	58.	J 330.	ug/kg	11/07/96
Benzo (k) fluoranthene	63.	J 330.	ug/kg	11/07/96
Solid Matrix Herbicides Long - Method 8150				
2,4,5-T	BQL	0.010	mg/kg	11/06/96
2,4,5-TP (Silvex)	BQL	0.010	mg/kg	11/06/96
2,4-D	BQL	0.050	mg/kg	11/06/96
2,4-DB	BQL	0.050	mg/kg	11/06/96
Dalapon	BQL	1.0	mg/kg	11/06/96
Dicamba	BQL	0.010	mg/kg	11/06/96
Dichloroprop	BQL	0.050	mg/kg	11/06/96
Dinoseb	BQL	0.010	mg/kg	11/06/96
MCPA	BQL	10.	mg/kg	11/06/96
MCPP	BQL	10.	mg/kg	11/06/96
Solid Matrix PCB's - Method 608/8080				
Aroclor 1016	BQL	0.033	mg/kg	11/07/96
Aroclor 1221	BQL	0.033	mg/kg	11/07/96
Aroclor 1232	BQL	0.033	mg/kg	11/07/96
Aroclor 1242	BQL	0.033	mg/kg	11/07/96
Aroclor 1248	BQL	0.033	mg/kg	11/07/96
Aroclor 1254	BQL	0.033	mg/kg	11/07/96
Aroclor 1260	BQL	0.033	mg/kg	11/07/96
Solid Matrix Pesticides - Method 608/8080				
4,4'-DDD	BQL	4.0	ug/kg	11/07/96
4,4'-DDE	BQL	4.0	ug/kg	11/07/96
4,4'-DDT	BQL	4.0	ug/kg	11/07/96
Aldrin	BQL	2.0	ug/kg	11/07/96
Dieldrin	BQL	4.0	ug/kg	11/07/96
Endosulfan sulfate	BQL	4.0	ug/kg	11/07/96
Endrin aldehyde	BQL	4.0	ug/kg	11/07/96
Endrin	BQL	4.0	ug/kg	11/07/96
Endrin ketone	BQL	4.0	ug/kg	11/07/96
Heptachlor	BQL	2.0	ug/kg	11/07/96
Heptachlor epoxide	BQL	2.0	ug/kg	11/07/96
Methoxychlor	BQL	20.	ug/kg	11/07/96
a-BHC	BQL	2.0	ug/kg	11/07/96
a-Chlordane	BQL	4.0	ug/kg	11/07/96

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

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 FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: West UST Composite - 5'- Bottom of Grave  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605883  
 Date Sample Received: 11/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Endosulfan I	BQL	4.0	ug/kg	11/07/96
b-BHC	BQL	2.0	ug/kg	11/07/96
b-Chlordane	BQL	4.0	ug/kg	11/07/96
Endosulfan II	BQL	4.0	ug/kg	11/07/96
d-BHC	BQL	2.0	ug/kg	11/07/96
g-BHC (Lindane)	BQL	2.0	ug/kg	11/07/96
Solid Matrix Toxaphene/Chlordane - Method 608/8080				
Chlordane	BQL	30.	ug/kg	11/07/96
Toxaphene	BQL	100.	ug/kg	11/07/96
Synthetic Rain Leaching Procedure				11/04/96
RFI Volatile list - Soils - Method 8260				
1,1,1-Trichloroethane	BQL	10.	ug/kg	11/06/96
1,1,2,2-Tetrachloroethane	BQL	10.	ug/kg	11/06/96
1,1,2-Trichloroethane	BQL	10.	ug/kg	11/06/96
1,1-Dichloroethane	BQL	10.	ug/kg	11/06/96
1,1-Dichloroethene	BQL	10.	ug/kg	11/06/96
1,2-Dichloroethane	BQL	10.	ug/kg	11/06/96
1,2-Dichloropropane	BQL	10.	ug/kg	11/06/96
Dibromochloromethane	BQL	10.	ug/kg	11/06/96
2-Chloroethyl vinyl ether	BQL	10.	ug/kg	11/06/96
2-Hexanone	BQL	10.	ug/kg	11/06/96
Acetone	5.2	J 10.	ug/kg	11/06/96
Acrolein	BQL	100.	ug/kg	11/06/96
Benzene	BQL	10.	ug/kg	11/06/96
Bromodichloromethane	BQL	10.	ug/kg	11/06/96
Bromomethane	BQL	10.	ug/kg	11/06/96
Bromoform	BQL	10.	ug/kg	11/06/96
cis-1,2-Dichloroethene	BQL	10.	ug/kg	11/06/96
cis-1,3-Dichloropropene	BQL	1.0	ug/kg	11/06/96
Carbon disulfide	BQL	10.	ug/kg	11/06/96
Carbon tetrachloride	BQL	10.	ug/kg	11/06/96
Chloroform	BQL	10.	ug/kg	11/06/96
Chlorobenzene	BQL	10.	ug/kg	11/06/96
Chloroethane	BQL	10.	ug/kg	11/06/96
Chloromethane	BQL	6.6	ug/kg	11/06/96
Ethylbenzene	BQL	10.	ug/kg	11/06/96
Methylene chloride	6.5	J 10.	ug/kg	11/06/96
2-Butanone (MEK)	BQL	10.	ug/kg	11/06/96

ENVIRITE CORPORATION  
620 West Germantown Pike  
Plymouth Meeting, PA 19462-

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Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
Date Sample Collected: 11/01/1996  
Sample Description: West UST Composite - 5'- Bottom of Grave  
EAS Project Number: 1306-96  
EAS Sample Number: 9605883  
Date Sample Received: 11/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
4-Methyl-2-Pentanone	BQL	10.	ug/kg	11/06/96
Styrene	BQL	10.	ug/kg	11/06/96
trans-1,2-Dichloroethene	BQL	10.	ug/kg	11/06/96
trans-1,3-Dichloropropene	BQL	1.0	ug/kg	11/06/96
Tetrachloroethylene	BQL	10.	ug/kg	11/06/96
Toluene	BQL	10.	ug/kg	11/06/96
Total Xylenes	BQL	10.	ug/kg	11/06/96
Trichloroethylene	BQL	10.	ug/kg	11/06/96
Vinyl acetate	BQL	10.	ug/kg	11/06/96
Vinyl chloride	BQL	10.	ug/kg	11/06/96

BQL = Below Quantitation Limit

\* Certification \*

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
2. Clean Water Act, List of Approved Test Procedures, 40 CFR.
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987.

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

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Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: West UST Bottom Composite  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605884  
 Date Sample Received: 11/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Herbicide Extraction				11/03/96
Solid Pesticide/PCB Extraction				11/05/96
Cyanide - Leachable	BQL	0.10	mg/L	11/05/96
Cyanide, Total	BQL	5.0	mg/kg	11/05/96
Sulfide, Total	BQL	10.	mg/kg	11/05/96
Total Petroleum Hydrocarbons	BQL	40.	mg/kg	11/07/96
Leachable Metals Digestion - Method SW846				11/06/96
Metal's Digestion for Solid Samples - Method SW-846-3050				11/06/96
Silver, Leachate	0.00	0.30	mg/L	/ /
Arsenic, Leachate	BQL	0.050	mg/L	11/06/96
Barium, Leachate	0.00	5.0	mg/L	/ /
Beryllium, Leachate	0.00	0.20	mg/L	/ /
Cadmium, Leachate	BQL	0.0050	mg/L	11/08/96
Cobalt, Leachate	0.00	0.50	mg/L	/ /
Chromium, Leachate	BQL	0.050	mg/L	11/08/96
Copper, Leachate	BQL	0.20	mg/L	11/08/96
Mercury, Leachate	BQL	0.0020	mg/L	11/08/96
Nickel, Leachate	BQL	0.030	mg/L	11/08/96
Lead, Leachate	BQL	0.015	mg/L	11/08/96
Antimony, Leachate	BQL	0.0050	mg/L	11/08/96
Selenium, Leachate	BQL	0.050	mg/L	11/06/96
Tin, Leachate	0.00	1.0	mg/L	/ /
Thallium, Leachate	BQL	0.0050	mg/L	11/08/96
Vanadium, Leachate	0.00	10.	mg/L	/ /
Zinc, Leachate	BQL	1.0	mg/L	11/08/96
Silver, Total	0.00	0.60	mg/kg	/ /
Arsenic, Total	BQL	1.0	mg/kg	11/06/96
Barium, Total	0.00	50.	mg/kg	/ /
Beryllium, Total	0.00	0.40	mg/kg	/ /
Cadmium, Total	0.20	0.10	mg/kg	11/08/96
Cobalt, Total	0.00	1.0	mg/kg	/ /
Chromium, Total	14.	1.0	mg/kg	11/08/96
Copper, Total	49.	0.40	mg/kg	11/08/96
Mercury, Total	BQL	0.10	mg/kg	11/08/96
Nickel, Total	11.	0.60	mg/kg	11/08/96
Lead, Total	3.0	1.2	mg/kg	11/08/96
Antimony, Total	BQL	10.	mg/kg	11/08/96
Selenium, Total	BQL	1.0	mg/kg	11/06/96

ENVIRITE CORPORATION  
 620 West Germantown Pike  
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Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: West UST Bottom Composite  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605884  
 Date Sample Received: 11/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Tin, Total	0.00	16.	mg/kg	/ /
Thallium, Total	BQL	0.40	mg/kg	11/08/96
Vanadium, Total	0.00	20.	mg/kg	/ /
Zinc, Total	31.	2.0	mg/kg	11/08/96
Base/Neutral and Acidic Extractable - Method SW-846-8270				11/04/96
Semi-Volatiles List - Thomaston RFI - Method 8270				
1,4-Dichlorobenzene	BQL	330.	ug/kg	11/07/96
2,4,5-Trichlorophenol	BQL	330.	ug/kg	11/07/96
2,4,6-Trichlorophenol	BQL	330.	ug/kg	11/07/96
2,4-Dichlorophenol	BQL	330.	ug/kg	11/07/96
2,4-Dinitrotoluene	BQL	330.	ug/kg	11/07/96
2,6-Dichlorophenol	BQL	330.	ug/kg	11/07/96
2-Chlorophenol	BQL	330.	ug/kg	11/07/96
2-Methylnaphthalene	BQL	330.	ug/kg	11/07/96
Acenaphthene	BQL	330.	ug/kg	11/07/96
Anthracene	BQL	330.	ug/kg	11/07/96
Bis (2-ethylhexyl) phthalate	130.	J 330.	ug/kg	11/07/96
Butyl benzylphthalate	190.	J 330.	ug/kg	11/07/96
Total Cresol	BQL	990.	ug/kg	11/07/96
Dibenzofuran	BQL	330.	ug/kg	11/07/96
Diethylphthalate	BQL	330.	ug/kg	11/07/96
Di-n-octylphthalate	BQL	330.	ug/kg	11/07/96
Di-n-butylphthalate	3000.	330.	ug/kg	11/07/96
Fluoranthene	13.	J 330.	ug/kg	11/07/96
Fluorene	BQL	330.	ug/kg	11/07/96
Hexachlorobenzene	BQL	330.	ug/kg	11/07/96
Hexachlorobutadiene	BQL	330.	ug/kg	11/07/96
Hexachloroethane	BQL	330.	ug/kg	11/07/96
m-Cresol	BQL	330.	ug/kg	11/07/96
Naphthalene	BQL	330.	ug/kg	11/07/96
Nitrobenzene	BQL	330.	ug/kg	11/07/96
N-Nitrosodimethylamine	BQL	330.	ug/kg	11/07/96
N-Nitrosodiphenylamine	BQL	330.	ug/kg	11/07/96
o-Cresol	BQL	330.	ug/kg	11/07/96
p-Cresol	BQL	330.	ug/kg	11/07/96
Pentachlorophenol	BQL	1700.	ug/kg	11/07/96
Phenanthrene	BQL	330.	ug/kg	11/07/96
Pyrene	11.	J 330.	ug/kg	11/07/96
Pyridine	BQL	330.	ug/kg	11/07/96

ENVIRITE CORPORATION  
620 West Germantown Pike  
Plymouth Meeting, PA 19462-

FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
Date Sample Collected: 11/01/1996  
Sample Description: West UST Bottom Composite  
EAS Project Number: 1306-96  
EAS Sample Number: 9605884  
Date Sample Received: 11/01/1996

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Parameter	Data	Quantitation Limit	Units	Analysis Date
Benzo (a) pyrene	BQL	330.	ug/kg	11/07/96
Benzo (b) fluoranthene	BQL	330.	ug/kg	11/07/96
Benzo (k) fluoranthene	BQL	330.	ug/kg	11/07/96
Solid Matrix Herbicides Long - Method 8150				
2,4,5-T	BQL	0.010	mg/kg	11/06/96
2,4,5-TP (Silvex)	BQL	0.010	mg/kg	11/06/96
2,4-D	BQL	0.050	mg/kg	11/06/96
2,4-DB	BQL	0.050	mg/kg	11/06/96
Dalapon	BQL	1.0	mg/kg	11/06/96
Dicamba	BQL	0.010	mg/kg	11/06/96
Dichloroprop	BQL	0.050	mg/kg	11/06/96
Dinoseb	BQL	0.010	mg/kg	11/06/96
MCPA	BQL	10.	mg/kg	11/06/96
MCPP	BQL	10.	mg/kg	11/06/96
Solid Matrix PCB's - Method 608/8080				
Aroclor 1016	BQL	0.033	mg/kg	11/07/96
Aroclor 1221	BQL	0.033	mg/kg	11/07/96
Aroclor 1232	BQL	0.033	mg/kg	11/07/96
Aroclor 1242	BQL	0.033	mg/kg	11/07/96
Aroclor 1248	BQL	0.033	mg/kg	11/07/96
Aroclor 1254	BQL	0.033	mg/kg	11/07/96
Aroclor 1260	BQL	0.033	mg/kg	11/07/96
Solid Matrix Pesticides - Method 608/8080				
4,4'-DDD	BQL	4.0	ug/kg	11/07/96
4,4'-DDE	BQL	4.0	ug/kg	11/07/96
4,4'-DDT	BQL	4.0	ug/kg	11/07/96
Aldrin	BQL	2.0	ug/kg	11/07/96
Dieldrin	BQL	4.0	ug/kg	11/07/96
Endosulfan sulfate	BQL	4.0	ug/kg	11/07/96
Endrin aldehyde	BQL	4.0	ug/kg	11/07/96
Endrin	BQL	4.0	ug/kg	11/07/96
Endrin ketone	BQL	4.0	ug/kg	11/07/96
Heptachlor	BQL	2.0	ug/kg	11/07/96
Heptachlor epoxide	BQL	2.0	ug/kg	11/07/96
Methoxychlor	BQL	20.	ug/kg	11/07/96
a-BHC	BQL	2.0	ug/kg	11/07/96
a-Chlordane	BQL	4.0	ug/kg	11/07/96

ENVIRITE CORPORATION  
 620 West Germantown Pike  
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Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: West UST Bottom Composite  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605884  
 Date Sample Received: 11/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Endosulfan I	BQL	4.0	ug/kg	11/07/96
b-BHC	BQL	2.0	ug/kg	11/07/96
b-Chlordane	BQL	4.0	ug/kg	11/07/96
Endosulfan II	BQL	4.0	ug/kg	11/07/96
d-BHC	BQL	2.0	ug/kg	11/07/96
g-BHC (Lindane)	BQL	2.0	ug/kg	11/07/96
Solid Matrix Toxaphene/Chlordane - Method 608/8080				
Chlordane	BQL	30.	ug/kg	11/07/96
Toxaphene	BQL	100.	ug/kg	11/07/96
Synthetic Rain Leaching Procedure				11/04/96
RFI Volatile list - Soils - Method 8260				
1,1,1-Trichloroethane	BQL	10.	ug/kg	11/06/96
1,1,2,2-Tetrachloroethane	BQL	10.	ug/kg	11/06/96
1,1,2-Trichloroethane	BQL	10.	ug/kg	11/06/96
1,1-Dichloroethane	BQL	10.	ug/kg	11/06/96
1,1-Dichloroethene	BQL	10.	ug/kg	11/06/96
1,2-Dichloroethane	BQL	10.	ug/kg	11/06/96
1,2-Dichloropropane	BQL	10.	ug/kg	11/06/96
Dibromochloromethane	BQL	10.	ug/kg	11/06/96
2-Chloroethyl vinyl ether	BQL	10.	ug/kg	11/06/96
2-Hexanone	BQL	10.	ug/kg	11/06/96
Acetone	2.6	J 10.	ug/kg	11/06/96
Acrolein	BQL	100.	ug/kg	11/06/96
Benzene	BQL	10.	ug/kg	11/06/96
Bromodichloromethane	BQL	10.	ug/kg	11/06/96
Bromomethane	BQL	10.	ug/kg	11/06/96
Bromoform	BQL	10.	ug/kg	11/06/96
cis-1,2-Dichloroethene	BQL	10.	ug/kg	11/06/96
cis-1,3-Dichloropropene	BQL	1.0	ug/kg	11/06/96
Carbon disulfide	BQL	10.	ug/kg	11/06/96
Carbon tetrachloride	BQL	10.	ug/kg	11/06/96
Chloroform	BQL	10.	ug/kg	11/06/96
Chlorobenzene	BQL	10.	ug/kg	11/06/96
Chloroethane	BQL	10.	ug/kg	11/06/96
Chloromethane	BQL	6.6	ug/kg	11/06/96
Ethylbenzene	BQL	10.	ug/kg	11/06/96
Methylene chloride	6.3	J 10.	ug/kg	11/06/96
2-Butanone (MEK)	BQL	10.	ug/kg	11/06/96

ENVIRITE CORPORATION  
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 Plymouth Meeting, PA 19462-

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Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 10/31/1996  
 Sample Description: West UST Composite - 0-5' (MS/MSD)  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605882  
 Date Sample Received: 11/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Herbicide Extraction				11/03/96
Solid Pesticide/PCB Extraction				11/05/96
Cyanide ~ Leachable	BQL	0.10	mg/L	11/05/96
Cyanide, Total	BQL	5.0	mg/kg	11/05/96
Sulfide, Total	BQL	10.	mg/kg	11/05/96
Total Petroleum Hydrocarbons	BQL	40.	mg/kg	11/07/96
Leachable Metals Digestion - Method SW846				11/06/96
Metal's Digestion for Solid Samples - Method SW-846-3050				11/06/96
Silver, Leachate	0.00	0.30	mg/L	/ /
Arsenic, Leachate	BQL	0.050	mg/L	11/06/96
Barium, Leachate	0.00	5.0	mg/L	/ /
Beryllium, Leachate	0.00	0.20	mg/L	/ /
Cadmium, Leachate	BQL	0.0050	mg/L	11/08/96
Cobalt, Leachate	0.00	0.50	mg/L	/ /
Chromium, Leachate	BQL	0.050	mg/L	11/08/96
Copper, Leachate	BQL	0.20	mg/L	11/08/96
Mercury, Leachate	BQL	0.0020	mg/L	11/08/96
Nickel, Leachate	BQL	0.030	mg/L	11/08/96
Lead, Leachate	BQL	0.015	mg/L	11/08/96
Antimony, Leachate	BQL	0.0050	mg/L	11/08/96
Selenium, Leachate	BQL	0.050	mg/L	11/06/96
Tin, Leachate	0.00	1.0	mg/L	/ /
Thallium, Leachate	BQL	0.0050	mg/L	11/08/96
Vanadium, Leachate	0.00	10.	mg/L	/ /
Zinc, Leachate	BQL	1.0	mg/L	11/08/96
Silver, Total	0.00	0.60	mg/kg	/ /
Arsenic, Total	BQL	1.0	mg/kg	11/06/96
Barium, Total	0.00	50.	mg/kg	/ /
Beryllium, Total	0.00	0.40	mg/kg	/ /
Cadmium, Total	0.74	0.10	mg/kg	11/08/96
Cobalt, Total	0.00	1.0	mg/kg	/ /
Chromium, Total	30.	1.0	mg/kg	11/08/96
Copper, Total	87.	0.40	mg/kg	11/08/96
Mercury, Total	BQL	0.10	mg/kg	11/08/96
Nickel, Total	17.	0.60	mg/kg	11/08/96
Lead, Total	18.	1.2	mg/kg	11/08/96
Antimony, Total	BQL	10.	mg/kg	11/08/96
Selenium, Total	BQL	1.0	mg/kg	11/06/96

ENVIRITE CORPORATION  
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**DRAFT**  
 FOR OFFICIAL USE ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 10/31/1996  
 Sample Description: West UST Composite - 0-5' (MS/MSD)  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605882  
 Date Sample Received: 11/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Tin, Total	0.00	16.	mg/kg	/ /
Thallium, Total	BQL	0.40	mg/kg	11/08/96
Vanadium, Total	0.00	20.	mg/kg	/ /
Zinc, Total	44.	2.0	mg/kg	11/08/96
Base/Neutral and Acidic Extractable - Method SW-846-8270				11/04/96
Semi-Volatiles List - Thomaston RFI - Method 8270				
1,4-Dichlorobenzene	BQL	330.	ug/kg	11/07/96
2,4,5-Trichlorophenol	BQL	330.	ug/kg	11/07/96
2,4,6-Trichlorophenol	BQL	330.	ug/kg	11/07/96
2,4-Dichlorophenol	BQL	330.	ug/kg	11/07/96
2,4-Dinitrotoluene	BQL	330.	ug/kg	11/07/96
2,6-Dichlorophenol	BQL	330.	ug/kg	11/07/96
2-Chlorophenol	BQL	330.	ug/kg	11/07/96
2-Methylnaphthalene	BQL	330.	ug/kg	11/07/96
Acenaphthene	BQL	330.	ug/kg	11/07/96
Anthracene	8.6	J 330.	ug/kg	11/07/96
Bis (2-ethylhexyl) phthalate	30.	J 330.	ug/kg	11/07/96
Butyl benzylphthalate	BQL	330.	ug/kg	11/07/96
Total Cresol	BQL	990.	ug/kg	11/07/96
Dibenzofuran	BQL	330.	ug/kg	11/07/96
Diethylphthalate	BQL	330.	ug/kg	11/07/96
Di-n-octylphthalate	BQL	330.	ug/kg	11/07/96
Di-n-butylphthalate	390.	330.	ug/kg	11/07/96
Fluoranthene	96.	J 330.	ug/kg	11/07/96
Fluorene	BQL	330.	ug/kg	11/07/96
Hexachlorobenzene	BQL	330.	ug/kg	11/07/96
Hexachlorobutadiene	BQL	330.	ug/kg	11/07/96
Hexachloroethane	BQL	330.	ug/kg	11/07/96
m-Cresol	BQL	330.	ug/kg	11/07/96
Naphthalene	BQL	330.	ug/kg	11/07/96
Nitrobenzene	BQL	330.	ug/kg	11/07/96
N-Nitrosodimethylamine	BQL	330.	ug/kg	11/07/96
N-Nitrosodiphenylamine	BQL	330.	ug/kg	11/07/96
o-Cresol	BQL	330.	ug/kg	11/07/96
p-Cresol	BQL	330.	ug/kg	11/07/96
Pentachlorophenol	BQL	1700.	ug/kg	11/07/96
Phenanthrene	47.	J 330.	ug/kg	11/07/96
Pyrene	60.	J 330.	ug/kg	11/07/96
Pyridine	BQL	330.	ug/kg	11/07/96

ENVIRITE CORPORATION  
 620 West Germantown Pike  
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DRAFT

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 10/31/1996  
 Sample Description: West UST Composite - 0-5' (MS/MSD)  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605882  
 Date Sample Received: 11/01/1996

FOR REVIEW ONLY

Parameter	Data	Quantitation Limit	Units	Analysis Date
Benzo (a) pyrene	86.	J 330.	ug/kg	11/07/96
Benzo (b) fluoranthene	63.	J 330.	ug/kg	11/07/96
Benzo (k) fluoranthene	47.	J 330.	ug/kg	11/07/96
Solid Matrix Herbicides Long - Method 8150				
2,4,5-T	BQL	0.010	mg/kg	11/06/96
2,4,5-TP (Silvex)	BQL	0.010	mg/kg	11/06/96
2,4-D	BQL	0.050	mg/kg	11/06/96
2,4-DB	BQL	0.050	mg/kg	11/06/96
Dalapon	BQL	1.0	mg/kg	11/06/96
Dicamba	BQL	0.010	mg/kg	11/06/96
Dichloroprop	BQL	0.050	mg/kg	11/06/96
Dinoseb	BQL	0.010	mg/kg	11/06/96
MCPA	BQL	10.	mg/kg	11/06/96
MCPP	BQL	10.	mg/kg	11/06/96
Solid Matrix PCB's - Method 608/8080				
Aroclor 1016	BQL	2.0	mg/kg	11/07/96
Aroclor 1221	BQL	2.0	mg/kg	11/07/96
Aroclor 1232	BQL	2.0	mg/kg	11/07/96
Aroclor 1242	BQL	2.0	mg/kg	11/07/96
Aroclor 1248	BQL	2.0	mg/kg	11/07/96
Aroclor 1254	BQL	2.0	mg/kg	11/07/96
Aroclor 1260	BQL	2.0	mg/kg	11/07/96
Solid Matrix Pesticides - Method 608/8080				
4,4'-DDD	BQL	4.0	ug/kg	11/07/96
4,4'-DDE	BQL	4.0	ug/kg	11/07/96
4,4'-DDT	BQL	4.0	ug/kg	11/07/96
Aldrin	BQL	2.0	ug/kg	11/07/96
Dieldrin	BQL	4.0	ug/kg	11/07/96
Endosulfan sulfate	BQL	4.0	ug/kg	11/07/96
Endrin aldehyde	BQL	4.0	ug/kg	11/07/96
Endrin	BQL	4.0	ug/kg	11/07/96
Endrin ketone	BQL	4.0	ug/kg	11/07/96
Heptachlor	BQL	2.0	ug/kg	11/07/96
Heptachlor epoxide	BQL	2.0	ug/kg	11/07/96
Methoxychlor	BQL	20.	ug/kg	11/07/96
a-BHC	BQL	2.0	ug/kg	11/07/96
a-Chlordane	BQL	4.0	ug/kg	11/07/96

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

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Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 10/31/1996  
 Sample Description: West UST Composite - 0-5' (MS/MSD)  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605882  
 Date Sample Received: 11/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Endosulfan I	BQL	4.0	ug/kg	11/07/96
b-BHC	BQL	2.0	ug/kg	11/07/96
b-Chlordane	BQL	4.0	ug/kg	11/07/96
Endosulfan II	BQL	4.0	ug/kg	11/07/96
d-BHC	BQL	2.0	ug/kg	11/07/96
g-BHC (Lindane)	BQL	2.0	ug/kg	11/07/96
Solid Matrix Toxaphene/Chlordane - Method 608/8080				
Chlordane	BQL	30.	ug/kg	11/07/96
Toxaphene	BQL	100.	ug/kg	11/07/96
Synthetic Rain Leaching Procedure				
11/04/96				
RFI Volatile list - Soils - Method 8260				
1,1,1-Trichloroethane	BQL	10.	ug/kg	11/06/96
1,1,2,2-Tetrachloroethane	BQL	10.	ug/kg	11/06/96
1,1,2-Trichloroethane	BQL	10.	ug/kg	11/06/96
1,1-Dichloroethane	BQL	10.	ug/kg	11/06/96
1,1-Dichloroethene	BQL	10.	ug/kg	11/06/96
1,2-Dichloroethane	BQL	10.	ug/kg	11/06/96
1,2-Dichloropropane	BQL	10.	ug/kg	11/06/96
Dibromochloromethane	BQL	10.	ug/kg	11/06/96
2-Chloroethyl vinyl ether	BQL	10.	ug/kg	11/06/96
2-Hexanone	BQL	10.	ug/kg	11/06/96
Acetone	3.4	J 10.	ug/kg	11/06/96
Acrolein	BQL	100.	ug/kg	11/06/96
Benzene	BQL	10.	ug/kg	11/06/96
Bromodichloromethane	BQL	10.	ug/kg	11/06/96
Bromomethane	BQL	10.	ug/kg	11/06/96
Bromoform	BQL	10.	ug/kg	11/06/96
cis-1,2-Dichloroethene	BQL	10.	ug/kg	11/06/96
cis-1,3-Dichloropropene	BQL	1.0	ug/kg	11/06/96
Carbon disulfide	BQL	10.	ug/kg	11/06/96
Carbon tetrachloride	BQL	10.	ug/kg	11/06/96
Chloroform	BQL	10.	ug/kg	11/06/96
Chlorobenzene	BQL	10.	ug/kg	11/06/96
Chloroethane	BQL	10.	ug/kg	11/06/96
Chloromethane	BQL	6.6	ug/kg	11/06/96
Ethylbenzene	BQL	10.	ug/kg	11/06/96
Methylene chloride	2.8	J 10.	ug/kg	11/06/96
2-Butanone (MEK)	BQL	10.	ug/kg	11/06/96

ENVIRITE CORPORATION  
620 West Germantown Pike  
Plymouth Meeting, PA 19462-

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FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
Date Sample Collected: 10/31/1996  
Sample Description: West UST Composite - 0-5' (MS/MSD)  
EAS Project Number: 1306-96  
EAS Sample Number: 9605882  
Date Sample Received: 11/01/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
4-Methyl-2-Pentanone	BQL	10.	ug/kg	11/06/96
Styrene	BQL	10.	ug/kg	11/06/96
trans-1,2-Dichloroethene	BQL	10.	ug/kg	11/06/96
trans-1,3-Dichloropropene	BQL	1.0	ug/kg	11/06/96
Tetrachloroethylene	BQL	10.	ug/kg	11/06/96
Toluene	BQL	10.	ug/kg	11/06/96
Total Xylenes	BQL	10.	ug/kg	11/06/96
Trichloroethylene	BQL	10.	ug/kg	11/06/96
Vinyl acetate	BQL	10.	ug/kg	11/06/96
Vinyl chloride	BQL	10.	ug/kg	11/06/96

BQL = Below Quantitation Limit

\* Certification \*

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
2. Clean Water Act, List of Approved Test Procedures, 40 CFR.
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987.

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 620 West Germantown Pike  
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Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: East UST Sidewall Composite  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605893  
 Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Herbicide Extraction				11/03/96
Solid Pesticide/PCB Extraction				11/05/96
Cyanide - Leachable	BQL	0.10	mg/L	11/05/96
Cyanide, Total	BQL	5.0	mg/kg	11/05/96
Sulfide, Total	BQL	10.	mg/kg	11/05/96
Total Petroleum Hydrocarbons	0.00	40.	mg/kg	/ /
Leachable Metals Digestion - Method SW846				11/06/96
Metal's Digestion for Solid Samples - Method SW-846-3050				11/06/96
Silver, Leachate	0.00	0.30	mg/L	/ /
Arsenic, Leachate	BQL	0.050	mg/L	11/06/96
Barium, Leachate	0.00	5.0	mg/L	/ /
Beryllium, Leachate	0.00	0.20	mg/L	/ /
Cadmium, Leachate	BQL	0.0050	mg/L	11/08/96
Cobalt, Leachate	0.00	0.50	mg/L	/ /
Chromium, Leachate	BQL	0.050	mg/L	11/08/96
Copper, Leachate	BQL	0.20	mg/L	11/08/96
Mercury, Leachate	BQL	0.0020	mg/L	11/08/96
Nickel, Leachate	BQL	0.030	mg/L	11/08/96
Lead, Leachate	BQL	0.015	mg/L	11/08/96
Antimony, Leachate	BQL	0.0050	mg/L	11/08/96
Selenium, Leachate	BQL	0.050	mg/L	11/06/96
Tin, Leachate	0.00	1.0	mg/L	/ /
Thallium, Leachate	BQL	0.0050	mg/L	11/08/96
Vanadium, Leachate	0.00	10.	mg/L	/ /
Zinc, Leachate	BQL	1.0	mg/L	11/08/96
Silver, Total	0.00	0.60	mg/kg	/ /
Arsenic, Total	BQL	1.0	mg/kg	11/06/96
Barium, Total	0.00	50.	mg/kg	/ /
Beryllium, Total	0.00	0.40	mg/kg	/ /
Cadmium, Total	BQL	0.10	mg/kg	11/08/96
Cobalt, Total	0.00	1.0	mg/kg	/ /
Chromium, Total	10.	1.0	mg/kg	11/08/96
Copper, Total	29.	0.40	mg/kg	11/08/96
Mercury, Total	BQL	0.10	mg/kg	11/08/96
Nickel, Total	8.2	0.60	mg/kg	11/08/96
Lead, Total	2.0	1.2	mg/kg	11/08/96
Antimony, Total	BQL	10.	mg/kg	11/08/96
Selenium, Total	BQL	1.0	mg/kg	11/06/96

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ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: East UST Sidewall Composite  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605893  
 Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Tin, Total	0.00	16.	mg/kg	/ /
Thallium, Total	BQL	0.40	mg/kg	11/08/96
Vanadium, Total	0.00	20.	mg/kg	/ /
Zinc, Total	25.	2.0	mg/kg	11/08/96
Base/Neutral and Acidic Extractable - Method SW-846-8270				11/04/96
Semi-Volatiles List - Thomaston RFI - Method 8270				
1,4-Dichlorobenzene	BQL	330.	ug/kg	11/07/96
2,4,5-Trichlorophenol	BQL	330.	ug/kg	11/07/96
2,4,6-Trichlorophenol	BQL	330.	ug/kg	11/07/96
2,4-Dichlorophenol	BQL	330.	ug/kg	11/07/96
2,4-Dinitrotoluene	BQL	330.	ug/kg	11/07/96
2,6-Dichlorophenol	BQL	330.	ug/kg	11/07/96
2-Chlorophenol	BQL	330.	ug/kg	11/07/96
2-Methylnaphthalene	BQL	330.	ug/kg	11/07/96
Acenaphthene	BQL	330.	ug/kg	11/07/96
Anthracene	BQL	330.	ug/kg	11/07/96
Bis (2-ethylhexyl) phthalate	36.	J 330.	ug/kg	11/07/96
Butyl benzylphthalate	BQL	330.	ug/kg	11/07/96
Total Cresol	BQL	990.	ug/kg	11/07/96
Dibenzofuran	BQL	330.	ug/kg	11/07/96
Diethylphthalate	BQL	330.	ug/kg	11/07/96
Di-n-octylphthalate	BQL	330.	ug/kg	11/07/96
Di-n-butylphthalate	280.	J 330.	ug/kg	11/07/96
Fluoranthene	11.	J 330.	ug/kg	11/07/96
Fluorene	BQL	330.	ug/kg	11/07/96
Hexachlorobenzene	BQL	330.	ug/kg	11/07/96
Hexachlorobutadiene	BQL	330.	ug/kg	11/07/96
Hexachloroethane	BQL	330.	ug/kg	11/07/96
m-Cresol	BQL	330.	ug/kg	11/07/96
Naphthalene	BQL	330.	ug/kg	11/07/96
Nitrobenzene	BQL	330.	ug/kg	11/07/96
N-Nitrosodimethylamine	BQL	330.	ug/kg	11/07/96
N-Nitrosodiphenylamine	BQL	330.	ug/kg	11/07/96
o-Cresol	BQL	330.	ug/kg	11/07/96
p-Cresol	BQL	330.	ug/kg	11/07/96
Pentachlorophenol	BQL	1700.	ug/kg	11/07/96
Phenanthrene	BQL	330.	ug/kg	11/07/96
Pyrene	22.	J 330.	ug/kg	11/07/96
Pyridine	BQL	330.	ug/kg	11/07/96

ENVIRITE CORPORATION  
620 West Germantown Pike  
Plymouth Meeting, PA 19462-

030597

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
Date Sample Collected: 10/31/1996  
Sample Description: West UST Sludge  
EAS Project Number: 1306-96  
EAS Sample Number: 9605886  
Date Sample Received: 11/01/1996

LABORATORY ONLY

Parameter	Data	Quantitation Limit	Units	Analysis Date
pH	2.2			11/04/96
Leachable Metals Digestion - Method SW846				11/06/96
Silver, Leachate	0.00	0.30	mg/L	/ /
Arsenic, Leachate	BQL	0.050	mg/L	11/07/96
Barium, Leachate	0.00	5.0	mg/L	/ /
Cadmium, Leachate	0.11	0.0050	mg/L	11/08/96
Chromium, Leachate	3.6	0.050	mg/L	11/08/96
Mercury, Leachate	BQL	0.0020	mg/L	11/08/96
Lead, Leachate	46.	0.60	mg/L	11/08/96
Selenium, Leachate	BQL	0.050	mg/L	11/06/96
TCLP Extraction for Metals				11/04/96

BQL = Below Quantitation Limit

\* Certification \*

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
2. Clean Water Act, List of Approved Test Procedures, 40 CFR.
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987.

ENVIRITE CORPORATION  
 620 West Germantown Pike  
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**DRAFT**

FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: East UST Bottom G-1  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605895  
 Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Herbicide Extraction				11/03/96
Solid Pesticide/PCB Extraction				11/05/96
Cyanide - Leachable	BQL	0.10	mg/L	11/05/96
Cyanide, Total	BQL	5.0	mg/kg	11/05/96
Sulfide, Total	37.	10.	mg/kg	11/05/96
Total Petroleum Hydrocarbons	BQL	60.	mg/kg	11/04/96
Leachable Metals Digestion - Method SW846				11/06/96
Metal's Digestion for Solid Samples - Method SW-846-3050				11/06/96
Silver, Leachate	0.00	0.30	mg/L	/ /
Arsenic, Leachate	BQL	0.050	mg/L	11/06/96
Barium, Leachate	0.00	5.0	mg/L	/ /
Beryllium, Leachate	0.00	0.20	mg/L	/ /
Cadmium, Leachate	BQL	0.0050	mg/L	11/08/96
Cobalt, Leachate	0.00	0.50	mg/L	/ /
Chromium, Leachate	BQL	0.050	mg/L	11/08/96
Copper, Leachate	BQL	0.20	mg/L	11/08/96
Mercury, Leachate	BQL	0.0020	mg/L	11/08/96
Nickel, Leachate	BQL	0.030	mg/L	11/08/96
Lead, Leachate	BQL	0.015	mg/L	11/08/96
Antimony, Leachate	BQL	0.0050	mg/L	11/08/96
Selenium, Leachate	BQL	0.050	mg/L	11/06/96
Tin, Leachate	0.00	1.0	mg/L	/ /
Thallium, Leachate	BQL	0.0050	mg/L	11/08/96
Vanadium, Leachate	0.00	10.	mg/L	/ /
Zinc, Leachate	BQL	1.0	mg/L	11/08/96
Silver, Total	0.00	0.60	mg/kg	/ /
Arsenic, Total	BQL	1.0	mg/kg	11/06/96
Barium, Total	0.00	50.	mg/kg	/ /
Beryllium, Total	0.00	0.40	mg/kg	/ /
Cadmium, Total	0.22	0.10	mg/kg	11/08/96
Cobalt, Total	0.00	1.0	mg/kg	/ /
Chromium, Total	17.	1.0	mg/kg	11/08/96
Copper, Total	56.	0.40	mg/kg	11/08/96
Mercury, Total	BQL	0.10	mg/kg	11/08/96
Nickel, Total	8.8	0.60	mg/kg	11/08/96
Lead, Total	6.0	1.2	mg/kg	11/08/96
Antimony, Total	BQL	10.	mg/kg	11/08/96
Selenium, Total	BQL	1.0	mg/kg	11/06/96

ENVIRITE CORPORATION  
 620 West Germantown Pike  
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FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: East UST Bottom G-1  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605895  
 Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Tin, Total	0.00	16.	mg/kg	/ /
Thallium, Total	BQL	0.40	mg/kg	11/08/96
Vanadium, Total	0.00	20.	mg/kg	/ /
Zinc, Total	48.	2.0	mg/kg	11/08/96
Base/Neutral and Acidic Extractable - Method SW-846-8270				11/04/96
Semi-Volatiles List - Thomaston RFI - Method 8270				
1,4-Dichlorobenzene	BQL	330.	ug/kg	11/07/96
2,4,5-Trichlorophenol	BQL	330.	ug/kg	11/07/96
2,4,6-Trichlorophenol	BQL	330.	ug/kg	11/07/96
2,4-Dichlorophenol	BQL	330.	ug/kg	11/07/96
2,4-Dinitrotoluene	BQL	330.	ug/kg	11/07/96
2,6-Dichlorophenol	BQL	330.	ug/kg	11/07/96
2-Chlorophenol	BQL	330.	ug/kg	11/07/96
2-Methylnaphthalene	BQL	330.	ug/kg	11/07/96
Acenaphthene	BQL	330.	ug/kg	11/07/96
Anthracene	12.	J 330.	ug/kg	11/07/96
Bis (2-ethylhexyl) phthalate	21.	J 330.	ug/kg	11/07/96
Butyl benzylphthalate	BQL	330.	ug/kg	11/07/96
Total Cresol	BQL	990.	ug/kg	11/07/96
Dibenzofuran	BQL	330.	ug/kg	11/07/96
Diethylphthalate	BQL	330.	ug/kg	11/07/96
Di-n-octylphthalate	BQL	330.	ug/kg	11/07/96
Di-n-butylphthalate	290.	J 330.	ug/kg	11/07/96
Fluoranthene	100.	J 330.	ug/kg	11/07/96
Fluorene	BQL	330.	ug/kg	11/07/96
Hexachlorobenzene	BQL	330.	ug/kg	11/07/96
Hexachlorobutadiene	BQL	330.	ug/kg	11/07/96
Hexachloroethane	BQL	330.	ug/kg	11/07/96
m-Cresol	BQL	330.	ug/kg	11/07/96
Naphthalene	BQL	330.	ug/kg	11/07/96
Nitrobenzene	BQL	330.	ug/kg	11/07/96
N-Nitrosodimethylamine	BQL	330.	ug/kg	11/07/96
N-Nitrosodiphenylamine	BQL	330.	ug/kg	11/07/96
o-Cresol	BQL	330.	ug/kg	11/07/96
p-Cresol	BQL	330.	ug/kg	11/07/96
Pentachlorophenol	BQL	1700.	ug/kg	11/07/96
Phenanthrene	68.	J 330.	ug/kg	11/07/96
Pyrene	95.	J 330.	ug/kg	11/07/96
Pyridine	BQL	330.	ug/kg	11/07/96

ENVIRITE CORPORATION  
 620 West Germantown Pike  
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 FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: East UST Bottom G-1  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605895  
 Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Benzo (a) pyrene	52.	J 330.	ug/kg	11/07/96
Benzo (b) fluoranthene	64.	J 330.	ug/kg	11/07/96
Benzo (k) fluoranthene	54.	J 330.	ug/kg	11/07/96
Solid Matrix Herbicides Long - Method 8150				
2,4,5-T	BQL	0.010	mg/kg	11/06/96
2,4,5-TP (Silvex)	BQL	0.010	mg/kg	11/06/96
2,4-D	BQL	0.050	mg/kg	11/06/96
2,4-DB	BQL	0.050	mg/kg	11/06/96
Dalapon	BQL	1.0	mg/kg	11/06/96
Dicamba	BQL	0.010	mg/kg	11/06/96
Dichloroprop	BQL	0.050	mg/kg	11/06/96
Dinoseb	BQL	0.010	mg/kg	11/06/96
MCPA	BQL	10.	mg/kg	11/06/96
MCPP	BQL	10.	mg/kg	11/06/96
Solid Matrix PCB's - Method 608/8080				
Aroclor 1016	0.00	2.0	mg/kg	11/07/96
Aroclor 1221	0.00	2.0	mg/kg	11/07/96
Aroclor 1232	0.00	2.0	mg/kg	11/07/96
Aroclor 1242	0.00	2.0	mg/kg	11/07/96
Aroclor 1248	0.00	2.0	mg/kg	11/07/96
Aroclor 1254	0.00	2.0	mg/kg	11/07/96
Aroclor 1260	0.00	2.0	mg/kg	11/07/96
Solid Matrix Pesticides - Method 608/8080				
4,4'-DDD	0.00	4.0	ug/kg	/ /
4,4'-DDE	0.00	4.0	ug/kg	/ /
4,4'-DDT	0.00	4.0	ug/kg	/ /
Aldrin	0.00	2.0	ug/kg	/ /
Dieldrin	0.00	4.0	ug/kg	/ /
Endosulfan sulfate	0.00	4.0	ug/kg	/ /
Endrin aldehyde	0.00	4.0	ug/kg	/ /
Endrin	0.00	4.0	ug/kg	/ /
Endrin ketone	0.00	4.0	ug/kg	/ /
Heptachlor	0.00	2.0	ug/kg	/ /
Heptachlor epoxide	0.00	2.0	ug/kg	/ /
Methoxychlor	0.00	20.	ug/kg	/ /
a-BHC	0.00	2.0	ug/kg	/ /
a-Chlordane	0.00	4.0	ug/kg	/ /

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 620 West Germantown Pike  
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FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: East UST Bottom G-1  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605895  
 Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Endosulfan I	0.00	4.0	ug/kg	/ /
b-BHC	0.00	2.0	ug/kg	/ /
b-Chlordane	0.00	4.0	ug/kg	/ /
Endosulfan II	0.00	4.0	ug/kg	/ /
d-BHC	0.00	2.0	ug/kg	/ /
g-BHC (Lindane)	0.00	2.0	ug/kg	/ /
Solid Matrix Toxaphene/Chlordane - Method 608/8080				
Chlordane	0.00	100.	ug/kg	/ /
Toxaphene	0.00	100.	ug/kg	/ /
Synthetic Rain Leaching Procedure				11/04/96
RFI Volatile list - Soils - Method 8260				
1,1,1-Trichloroethane	BQL	10.	ug/kg	11/05/96
1,1,2,2-Tetrachloroethane	BQL	10.	ug/kg	11/05/96
1,1,2-Trichloroethane	BQL	10.	ug/kg	11/05/96
1,1-Dichloroethane	BQL	10.	ug/kg	11/05/96
1,1-Dichloroethene	BQL	10.	ug/kg	11/05/96
1,2-Dichloroethane	BQL	10.	ug/kg	11/05/96
1,2-Dichloropropane	BQL	10.	ug/kg	11/05/96
Dibromochloromethane	BQL	10.	ug/kg	11/05/96
2-Chloroethyl vinyl ether	BQL	10.	ug/kg	11/05/96
2-Hexanone	BQL	10.	ug/kg	11/05/96
Acetone	36.	10.	ug/kg	11/05/96
Acrolein	BQL	100.	ug/kg	11/05/96
Benzene	BQL	10.	ug/kg	11/05/96
Bromodichloromethane	BQL	10.	ug/kg	11/05/96
Bromomethane	BQL	10.	ug/kg	11/05/96
Bromoform	BQL	10.	ug/kg	11/05/96
cis-1,2-Dichloroethene	BQL	10.	ug/kg	11/05/96
cis-1,3-Dichloropropene	BQL	1.0	ug/kg	11/05/96
Carbon disulfide	BQL	10.	ug/kg	11/05/96
Carbon tetrachloride	BQL	10.	ug/kg	11/05/96
Chloroform	BQL	10.	ug/kg	11/05/96
Chlorobenzene	BQL	10.	ug/kg	11/05/96
Chloroethane	BQL	10.	ug/kg	11/05/96
Chloromethane	BQL	6.6	ug/kg	11/05/96
Ethylbenzene	BQL	10.	ug/kg	11/05/96
Methylene chloride	5.4	J 10.	ug/kg	11/05/96
2-Butanone (MEK)	10.	10.	ug/kg	11/05/96

ENVIRITE CORPORATION  
620 West Germantown Pike  
Plymouth Meeting, PA 19462-

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CONFIDENTIAL

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
Date Sample Collected: 11/01/1996  
Sample Description: East UST Bottom G-1  
EAS Project Number: 1306-96  
EAS Sample Number: 9605895  
Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
4-Methyl-2-Pentanone	BQL	10.	ug/kg	11/05/96
Styrene	BQL	10.	ug/kg	11/05/96
trans-1,2-Dichloroethene	BQL	10.	ug/kg	11/05/96
trans-1,3-Dichloropropene	BQL	1.0	ug/kg	11/05/96
Tetrachloroethylene	BQL	10.	ug/kg	11/05/96
Toluene	BQL	10.	ug/kg	11/05/96
Total Xylenes	BQL	10.	ug/kg	11/05/96
Trichloroethylene	BQL	10.	ug/kg	11/05/96
Vinyl acetate	BQL	10.	ug/kg	11/05/96
Vinyl chloride	BQL	10.	ug/kg	11/05/96

BQL = Below Quantitation Limit

\* Certification \*

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
2. Clean Water Act, List of Approved Test Procedures, 40 CFR.
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987.

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

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 FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: East UST Bottom G-2  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605896  
 Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Herbicide Extraction				11/03/96
Solid Pesticide/PCB Extraction				11/05/96
Cyanide - Leachable	BQL	0.10	mg/L	11/05/96
Cyanide, Total	BQL	5.0	mg/kg	11/05/96
Sulfide, Total	BQL	10.	mg/kg	11/05/96
Total Petroleum Hydrocarbons	BQL	60.	mg/kg	11/04/96
Leachable Metals Digestion - Method SW846				11/06/96
Metal's Digestion for Solid Samples - Method SW-846-3050				11/06/96
Silver, Leachate	0.00	0.30	mg/L	/ /
Arsenic, Leachate	BQL	0.050	mg/L	11/06/96
Barium, Leachate	0.00	5.0	mg/L	/ /
Beryllium, Leachate	0.00	0.20	mg/L	/ /
Cadmium, Leachate	BQL	0.0050	mg/L	11/08/96
Cobalt, Leachate	0.00	0.50	mg/L	/ /
Chromium, Leachate	BQL	0.050	mg/L	11/08/96
Copper, Leachate	BQL	0.20	mg/L	11/08/96
Mercury, Leachate	BQL	0.0020	mg/L	11/08/96
Nickel, Leachate	BQL	0.030	mg/L	11/08/96
Lead, Leachate	BQL	0.015	mg/L	11/08/96
Antimony, Leachate	BQL	0.0050	mg/L	11/08/96
Selenium, Leachate	BQL	0.050	mg/L	11/06/96
Tin, Leachate	0.00	1.0	mg/L	/ /
Thallium, Leachate	BQL	0.0050	mg/L	11/08/96
Vanadium, Leachate	0.00	10.	mg/L	/ /
Zinc, Leachate	BQL	1.0	mg/L	11/08/96
Silver, Total	0.00	0.60	mg/kg	/ /
Arsenic, Total	BQL	1.0	mg/kg	11/06/96
Barium, Total	0.00	50.	mg/kg	/ /
Beryllium, Total	0.00	0.40	mg/kg	/ /
Cadmium, Total	0.32	0.10	mg/kg	11/08/96
Cobalt, Total	0.00	1.0	mg/kg	/ /
Chromium, Total	22.	1.0	mg/kg	11/08/96
Copper, Total	99.	0.40	mg/kg	11/08/96
Mercury, Total	BQL	0.10	mg/kg	11/08/96
Nickel, Total	11.	0.60	mg/kg	11/08/96
Lead, Total	11.	1.2	mg/kg	11/08/96
Antimony, Total	BQL	10.	mg/kg	11/08/96
Selenium, Total	BQL	1.0	mg/kg	11/06/96

ENVIRITE CORPORATION  
 620 West Germantown Pike  
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FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: East UST Bottom G-2  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605896  
 Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Tin, Total	0.00	16.	mg/kg	/ /
Thallium, Total	BQL	0.40	mg/kg	11/08/96
Vanadium, Total	0.00	20.	mg/kg	/ /
Zinc, Total	60.	2.0	mg/kg	11/08/96
Base/Neutral and Acidic Extractable - Method SW-846-8270				11/04/96
Semi-Volatiles List - Thomaston RFI - Method 8270				
1,4-Dichlorobenzene	BQL	330.	ug/kg	11/07/96
2,4,5-Trichlorophenol	BQL	330.	ug/kg	11/07/96
2,4,6-Trichlorophenol	BQL	330.	ug/kg	11/07/96
2,4-Dichlorophenol	BQL	330.	ug/kg	11/07/96
2,4-Dinitrotoluene	BQL	330.	ug/kg	11/07/96
2,6-Dichlorophenol	BQL	330.	ug/kg	11/07/96
2-Chlorophenol	BQL	330.	ug/kg	11/07/96
2-Methylnaphthalene	BQL	330.	ug/kg	11/07/96
Acenaphthene	BQL	330.	ug/kg	11/07/96
Anthracene	10.	J 330.	ug/kg	11/07/96
Bis (2-ethylhexyl) phthalate	230.	J 330.	ug/kg	11/07/96
Butyl benzylphthalate	BQL	330.	ug/kg	11/07/96
Total Cresol	BQL	990.	ug/kg	11/07/96
Dibenzofuran	BQL	330.	ug/kg	11/07/96
Diethylphthalate	BQL	330.	ug/kg	11/07/96
Di-n-octylphthalate	BQL	330.	ug/kg	11/07/96
Di-n-butylphthalate	530.	330.	ug/kg	11/07/96
Fluoranthene	110.	J 330.	ug/kg	11/07/96
Fluorene	BQL	330.	ug/kg	11/07/96
Hexachlorobenzene	BQL	330.	ug/kg	11/07/96
Hexachlorobutadiene	BQL	330.	ug/kg	11/07/96
Hexachloroethane	BQL	330.	ug/kg	11/07/96
m-Cresol	BQL	330.	ug/kg	11/07/96
Naphthalene	BQL	330.	ug/kg	11/07/96
Nitrobenzene	BQL	330.	ug/kg	11/07/96
N-Nitrosodimethylamine	BQL	330.	ug/kg	11/07/96
N-Nitrosodiphenylamine	BQL	330.	ug/kg	11/07/96
o-Cresol	BQL	330.	ug/kg	11/07/96
p-Cresol	BQL	330.	ug/kg	11/07/96
Pentachlorophenol	BQL	1700.	ug/kg	11/07/96
Phenanthrene	56.	J 330.	ug/kg	11/07/96
Pyrene	110.	J 330.	ug/kg	11/07/96
Pyridine	BQL	330.	ug/kg	11/07/96

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

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FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: East UST Bottom G-2  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605896  
 Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Benzo (a) pyrene	32.	J 330.	ug/kg	11/07/96
Benzo (b) fluoranthene	65.	J 330.	ug/kg	11/07/96
Benzo (k) fluoranthene	69.	J 330.	ug/kg	11/07/96
Solid Matrix Herbicides Long - Method 8150				
2,4,5-T	BQL	0.010	mg/kg	11/06/96
2,4,5-TP (Silvex)	BQL	0.010	mg/kg	11/06/96
2,4-D	BQL	0.050	mg/kg	11/06/96
2,4-DB	BQL	0.050	mg/kg	11/06/96
Dalapon	BQL	1.0	mg/kg	11/06/96
Dicamba	BQL	0.010	mg/kg	11/06/96
Dichloroprop	BQL	0.050	mg/kg	11/06/96
Dinoseb	BQL	0.010	mg/kg	11/06/96
MCPA	BQL	10.	mg/kg	11/06/96
MCPP	BQL	10.	mg/kg	11/06/96
Solid Matrix PCB's - Method 608/8080				
Aroclor 1016	0.00	2.0	mg/kg	11/07/96
Aroclor 1221	0.00	2.0	mg/kg	/ /
Aroclor 1232	0.00	2.0	mg/kg	/ /
Aroclor 1242	0.00	2.0	mg/kg	/ /
Aroclor 1248	0.00	2.0	mg/kg	/ /
Aroclor 1254	0.00	2.0	mg/kg	/ /
Aroclor 1260	0.00	2.0	mg/kg	/ /
Solid Matrix Pesticides - Method 608/8080				
4,4'-DDD	0.00	4.0	ug/kg	/ /
4,4'-DDE	0.00	4.0	ug/kg	/ /
4,4'-DDT	0.00	4.0	ug/kg	/ /
Aldrin	0.00	2.0	ug/kg	/ /
Dieldrin	0.00	4.0	ug/kg	/ /
Endosulfan sulfate	0.00	4.0	ug/kg	/ /
Endrin aldehyde	0.00	4.0	ug/kg	/ /
Endrin	0.00	4.0	ug/kg	/ /
Endrin ketone	0.00	4.0	ug/kg	/ /
Heptachlor	0.00	2.0	ug/kg	/ /
Heptachlor epoxide	0.00	2.0	ug/kg	/ /
Methoxychlor	0.00	20.	ug/kg	/ /
a-BHC	0.00	2.0	ug/kg	/ /
a-Chlordane	0.00	4.0	ug/kg	/ /

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

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FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: East UST Bottom G-2  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605896  
 Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Endosulfan I	0.00	4.0	ug/kg	/ /
b-BHC	0.00	2.0	ug/kg	/ /
b-Chlordane	0.00	4.0	ug/kg	/ /
Endosulfan II	0.00	4.0	ug/kg	/ /
d-BHC	0.00	2.0	ug/kg	/ /
g-BHC (Lindane)	0.00	2.0	ug/kg	/ /
Solid Matrix Toxaphene/Chlordane - Method 608/8080				
Chlordane	0.00	100.	ug/kg	/ /
Toxaphene	0.00	100.	ug/kg	/ /
Synthetic Rain Leaching Procedure				11/04/96
RFI Volatile list - Soils - Method 8260				
1,1,1-Trichloroethane	BQL	10.	ug/kg	11/05/96
1,1,2,2-Tetrachloroethane	BQL	10.	ug/kg	11/05/96
1,1,2-Trichloroethane	BQL	10.	ug/kg	11/05/96
1,1-Dichloroethane	BQL	10.	ug/kg	11/05/96
1,1-Dichloroethene	BQL	10.	ug/kg	11/05/96
1,2-Dichloroethane	BQL	10.	ug/kg	11/05/96
1,2-Dichloropropane	BQL	10.	ug/kg	11/05/96
Dibromochloromethane	BQL	10.	ug/kg	11/05/96
2-Chloroethyl vinyl ether	BQL	10.	ug/kg	11/05/96
2-Hexanone	BQL	10.	ug/kg	11/05/96
Acetone	80.	10.	ug/kg	11/05/96
Acrolein	BQL	100.	ug/kg	11/05/96
Benzene	BQL	10.	ug/kg	11/05/96
Bromodichloromethane	BQL	10.	ug/kg	11/05/96
Bromomethane	BQL	10.	ug/kg	11/05/96
Bromoform	BQL	10.	ug/kg	11/05/96
cis-1,2-Dichloroethene	BQL	10.	ug/kg	11/05/96
cis-1,3-Dichloropropene	BQL	1.0	ug/kg	11/05/96
Carbon disulfide	BQL	10.	ug/kg	11/05/96
Carbon tetrachloride	BQL	10.	ug/kg	11/05/96
Chloroform	BQL	10.	ug/kg	11/05/96
Chlorobenzene	BQL	10.	ug/kg	11/05/96
Chloroethane	BQL	10.	ug/kg	11/05/96
Chloromethane	BQL	6.6	ug/kg	11/05/96
Ethylbenzene	BQL	10.	ug/kg	11/05/96
Methylene chloride	6.4	J 10.	ug/kg	11/05/96
2-Butanone (MEK)	24.	10.	ug/kg	11/05/96

ENVIRITE CORPORATION  
620 West Germantown Pike  
Plymouth Meeting, PA 19462-

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FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
Date Sample Collected: 11/01/1996  
Sample Description: East UST Bottom G-2  
EAS Project Number: 1306-96  
EAS Sample Number: 9605896  
Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
4-Methyl-2-Pentanone	BQL	10.	ug/kg	11/05/96
Styrene	BQL	10.	ug/kg	11/05/96
trans-1,2-Dichloroethene	BQL	10.	ug/kg	11/05/96
trans-1,3-Dichloropropene	BQL	1.0	ug/kg	11/05/96
Tetrachloroethylene	3.5	J 10.	ug/kg	11/05/96
Toluene	BQL	10.	ug/kg	11/05/96
Total Xylenes	BQL	10.	ug/kg	11/05/96
Trichloroethylene	BQL	10.	ug/kg	11/05/96
Vinyl acetate	BQL	10.	ug/kg	11/05/96
Vinyl chloride	BQL	10.	ug/kg	11/05/96

BQL = Below Quantitation Limit

\* Certification \*

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
2. Clean Water Act, List of Approved Test Procedures, 40 CFR.
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987.

ENVIRITE CORPORATION  
 62C West Germantown Pike  
 Plymouth Meeting, PA 19462-

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FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: East UST Composite - 0-5'  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605892  
 Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Herbicide Extraction				11/03/96
Solid Pesticide/PCB Extraction				11/05/96
Cyanide - Leachable	BQL	0.10	mg/L	11/05/96
Cyanide, Total	BQL	5.0	mg/kg	11/05/96
Sulfide, Total	BQL	10.	mg/kg	11/06/96
Total Petroleum Hydrocarbons	BQL	40.	mg/kg	11/04/96
Leachable Metals Digestion - Method SW846				11/06/96
Metal's Digestion for Solid Samples - Method SW-846-3050				11/06/96
Silver, Leachate	0.00	0.30	mg/L	/ /
Arsenic, Leachate	BQL	0.050	mg/L	11/06/96
Barium, Leachate	0.00	5.0	mg/L	/ /
Beryllium, Leachate	0.00	0.20	mg/L	/ /
Cadmium, Leachate	BQL	0.0050	mg/L	11/08/96
Cobalt, Leachate	0.00	0.50	mg/L	/ /
Chromium, Leachate	BQL	0.050	mg/L	11/08/96
Copper, Leachate	BQL	0.20	mg/L	11/08/96
Mercury, Leachate	BQL	0.0020	mg/L	11/08/96
Nickel, Leachate	BQL	0.030	mg/L	11/08/96
Lead, Leachate	BQL	0.015	mg/L	11/08/96
Antimony, Leachate	0.0067	0.0050	mg/L	11/08/96
Selenium, Leachate	BQL	0.050	mg/L	11/06/96
Tin, Leachate	0.00	1.0	mg/L	/ /
Thallium, Leachate	BQL	0.0050	mg/L	11/08/96
Vanadium, Leachate	0.00	10.	mg/L	/ /
Zinc, Leachate	BQL	1.0	mg/L	11/08/96
Silver, Total	0.00	0.60	mg/kg	/ /
Arsenic, Total	BQL	1.0	mg/kg	11/06/96
Barium, Total	0.00	50.	mg/kg	/ /
Beryllium, Total	0.00	0.40	mg/kg	/ /
Cadmium, Total	0.46	0.10	mg/kg	11/08/96
Cobalt, Total	0.00	1.0	mg/kg	/ /
Chromium, Total	29.	1.0	mg/kg	11/08/96
Copper, Total	76.	0.40	mg/kg	11/08/96
Mercury, Total	BQL	0.10	mg/kg	11/08/96
Nickel, Total	17.	0.60	mg/kg	11/08/96
Lead, Total	11.	1.2	mg/kg	11/08/96
Antimony, Total	BQL	10.	mg/kg	11/08/96
Selenium, Total	BQL	1.0	mg/kg	11/06/96

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

**DRAFT**

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: East UST Composite - 0-5'  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605892  
 Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Tin, Total	0.00	16.	mg/kg	/ /
Thallium, Total	BQL	0.40	mg/kg	11/08/96
Vanadium, Total	0.00	20.	mg/kg	/ /
Zinc, Total	69.	2.0	mg/kg	11/08/96
Base/Neutral and Acidic Extractable - Method SW-846-8270				11/04/96
Semi-Volatiles List - Thomaston RFI - Method 8270				
1,4-Dichlorobenzene	BQL	330.	ug/kg	11/07/96
2,4,5-Trichlorophenol	BQL	330.	ug/kg	11/07/96
2,4,6-Trichlorophenol	BQL	330.	ug/kg	11/07/96
2,4-Dichlorophenol	BQL	330.	ug/kg	11/07/96
2,4-Dinitrotoluene	BQL	330.	ug/kg	11/07/96
2,6-Dichlorophenol	BQL	330.	ug/kg	11/07/96
2-Chlorophenol	BQL	330.	ug/kg	11/07/96
2-Methylnaphthalene	49.	J 330.	ug/kg	11/07/96
Acenaphthene	28.	J 330.	ug/kg	11/07/96
Anthracene	49.	J 330.	ug/kg	11/07/96
Bis (2-ethylhexyl) phthalate	59.	J 330.	ug/kg	11/07/96
Butyl benzylphthalate	BQL	330.	ug/kg	11/07/96
Total Cresol	BQL	990.	ug/kg	11/07/96
Dibenzofuran	31.	J 330.	ug/kg	11/07/96
Diethylphthalate	BQL	330.	ug/kg	11/07/96
Di-n-octylphthalate	BQL	330.	ug/kg	11/07/96
Di-n-butylphthalate	320.	J 330.	ug/kg	11/07/96
Fluoranthene	440.	330.	ug/kg	11/07/96
Fluorene	33.	J 330.	ug/kg	11/07/96
Hexachlorobenzene	BQL	330.	ug/kg	11/07/96
Hexachlorobutadiene	BQL	330.	ug/kg	11/07/96
Hexachloroethane	BQL	330.	ug/kg	11/07/96
m-Cresol	BQL	330.	ug/kg	11/07/96
Naphthalene	14.	J 330.	ug/kg	11/07/96
Nitrobenzene	BQL	330.	ug/kg	11/07/96
N-Nitrosodimethylamine	BQL	330.	ug/kg	11/07/96
N-Nitrosodiphenylamine	BQL	330.	ug/kg	11/07/96
o-Cresol	BQL	330.	ug/kg	11/07/96
p-Cresol	BQL	330.	ug/kg	11/07/96
Pentachlorophenol	BQL	1700.	ug/kg	11/07/96
Phenanthrene	270.	J 330.	ug/kg	11/07/96
Pyrene	270.	J 330.	ug/kg	11/07/96
Pyridine	BQL	330.	ug/kg	11/07/96

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

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 FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: East UST Composite - 0-5'  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605892  
 Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Benzo (a) pyrene	300.	J 330.	ug/kg	11/07/96
Benzo (b) fluoranthene	170.	J 330.	ug/kg	11/07/96
Benzo (k) fluoranthene	180.	J 330.	ug/kg	11/07/96
Solid Matrix Herbicides Long - Method 8150				
2,4,5-T	BQL	0.010	mg/kg	11/06/96
2,4,5-TP (Silvex)	BQL	0.010	mg/kg	11/06/96
2,4-D	BQL	0.050	mg/kg	11/06/96
2,4-DB	BQL	0.050	mg/kg	11/06/96
Dalapon	BQL	1.0	mg/kg	11/06/96
Dicamba	BQL	0.010	mg/kg	11/06/96
Dichloroprop	BQL	0.050	mg/kg	11/06/96
Dinoseb	BQL	0.010	mg/kg	11/06/96
MCPA	BQL	10.	mg/kg	11/06/96
MCPP	BQL	10.	mg/kg	11/06/96
Solid Matrix PCB's - Method 608/8080				
Aroclor 1016	0.00	2.0	mg/kg	11/07/96
Aroclor 1221	0.00	2.0	mg/kg	11/07/96
Aroclor 1232	0.00	2.0	mg/kg	11/07/96
Aroclor 1242	0.00	2.0	mg/kg	11/07/96
Aroclor 1248	0.00	2.0	mg/kg	11/07/96
Aroclor 1254	0.00	2.0	mg/kg	11/07/96
Aroclor 1260	0.00	2.0	mg/kg	11/07/96
Solid Matrix Pesticides - Method 608/8080				
4,4'-DDD	0.00	4.0	ug/kg	11/07/96
4,4'-DDE	0.00	4.0	ug/kg	/ /
4,4'-DDT	0.00	4.0	ug/kg	/ /
Aldrin	0.00	2.0	ug/kg	/ /
Dieldrin	0.00	4.0	ug/kg	/ /
Endosulfan sulfate	0.00	4.0	ug/kg	/ /
Endrin aldehyde	0.00	4.0	ug/kg	/ /
Endrin	0.00	4.0	ug/kg	/ /
Endrin ketone	0.00	4.0	ug/kg	/ /
Heptachlor	0.00	2.0	ug/kg	/ /
Heptachlor epoxide	0.00	2.0	ug/kg	/ /
Methoxychlor	0.00	20.	ug/kg	/ /
a-BHC	0.00	2.0	ug/kg	/ /
a-Chlordane	0.00	4.0	ug/kg	/ /

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

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FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: East UST Composite - 0-5'  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605892  
 Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Endosulfan I	0.00	4.0	ug/kg	/ /
b-BHC	0.00	2.0	ug/kg	/ /
b-Chlordane	0.00	4.0	ug/kg	/ /
Endosulfan II	0.00	4.0	ug/kg	/ /
d-BHC	0.00	2.0	ug/kg	/ /
g-BHC (Lindane)	0.00	2.0	ug/kg	/ /
Solid Matrix Toxaphene/Chlordane - Method 608/8080				
Chlordane	0.00	100.	ug/kg	/ /
Toxaphene	0.00	100.	ug/kg	/ /
Synthetic Rain Leaching Procedure				11/04/96
RFI Volatile list - Soils - Method 8260				
1,1,1-Trichloroethane	BQL	10.	ug/kg	11/06/96
1,1,2,2-Tetrachloroethane	BQL	10.	ug/kg	11/06/96
1,1,2-Trichloroethane	BQL	10.	ug/kg	11/06/96
1,1-Dichloroethane	BQL	10.	ug/kg	11/06/96
1,1-Dichloroethene	BQL	10.	ug/kg	11/06/96
1,2-Dichloroethane	BQL	10.	ug/kg	11/06/96
1,2-Dichloropropane	BQL	10.	ug/kg	11/06/96
Dibromochloromethane	BQL	10.	ug/kg	11/06/96
2-Chloroethyl vinyl ether	BQL	10.	ug/kg	11/06/96
2-Hexanone	BQL	10.	ug/kg	11/06/96
Acetone	1.8	J 10.	ug/kg	11/06/96
Acrolein	BQL	100.	ug/kg	11/06/96
Benzene	BQL	10.	ug/kg	11/06/96
Bromodichloromethane	BQL	10.	ug/kg	11/06/96
Bromomethane	BQL	10.	ug/kg	11/06/96
Bromoform	BQL	10.	ug/kg	11/06/96
cis-1,2-Dichloroethene	BQL	10.	ug/kg	11/06/96
cis-1,3-Dichloropropene	BQL	1.0	ug/kg	11/06/96
Carbon disulfide	BQL	10.	ug/kg	11/06/96
Carbon tetrachloride	BQL	10.	ug/kg	11/06/96
Chloroform	BQL	10.	ug/kg	11/06/96
Chlorobenzene	BQL	10.	ug/kg	11/06/96
Chloroethane	BQL	10.	ug/kg	11/06/96
Chloromethane	BQL	6.6	ug/kg	11/06/96
Ethylbenzene	BQL	10.	ug/kg	11/06/96
Methylene chloride	2.9	J 10.	ug/kg	11/06/96
2-Butanone (MEK)	BQL	10.	ug/kg	11/06/96

ENVIRITE CORPORATION  
620 West Germantown Pike  
Plymouth Meeting, PA 19462-

**DRAFT**  
FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
Date Sample Collected: 11/01/1996  
Sample Description: East UST Composite - 0-5'  
EAS Project Number: 1306-96  
EAS Sample Number: 9605892  
Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
4-Methyl-2-Pentanone	BQL	10.	ug/kg	11/06/96
Styrene	BQL	10.	ug/kg	11/06/96
trans-1,2-Dichloroethene	BQL	10.	ug/kg	11/06/96
trans-1,3-Dichloropropene	BQL	1.0	ug/kg	11/06/96
Tetrachloroethylene	1.4	J 10.	ug/kg	11/06/96
Toluene	BQL	10.	ug/kg	11/06/96
Total Xylenes	BQL	10.	ug/kg	11/06/96
Trichloroethylene	BQL	10.	ug/kg	11/06/96
Vinyl acetate	BQL	10.	ug/kg	11/06/96
Vinyl chloride	BQL	10.	ug/kg	11/06/96

BQL = Below Quantitation Limit

\* Certification \*

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
2. Clean Water Act, List of Approved Test Procedures, 40 CFR.
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987.

ENVIRITE CORPORATION  
620 West Germantown Pike  
Plymouth Meeting, PA 19462-

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Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
Date Sample Collected: 11/01/1996  
Sample Description: East UST Rolloff Composite  
EAS Project Number: 1306-96  
EAS Sample Number: 9605894  
Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
pH	5.5			11/04/96
Leachable Metals Digestion - Method SW846				11/06/96
Silver, Leachate	0.00	0.30	mg/L	/ /
Arsenic, Leachate	BQL	0.050	mg/L	11/07/96
Barium, Leachate	0.00	5.0	mg/L	/ /
Cadmium, Leachate	0.12	0.0050	mg/L	11/08/96
Chromium, Leachate	BQL	0.050	mg/L	11/08/96
Mercury, Leachate	BQL	0.0020	mg/L	11/08/96
Lead, Leachate	0.22	0.060	mg/L	11/08/96
Selenium, Leachate	BQL	0.050	mg/L	11/06/96
TCLP Extraction for Metals				11/04/96

BQL = Below Quantitation Limit

\* Certification \*

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
2. Clean Water Act, List of Approved Test Procedures, 40 CFR.
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987.

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

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FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: PE Sample  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605900  
 Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Solid Pesticide/PCB Extraction				
Cyanide, Total	170.	10.	mg/kg	11/05/96
Metal's Digestion for Solid Samples - Method SW-846-3050				
Silver, Total	0.00	0.60	mg/kg	/ /
Arsenic, Total	200.	10.	mg/kg	11/06/96
Barium, Total	0.00	50.	mg/kg	/ /
Beryllium, Total	0.00	0.40	mg/kg	/ /
Cadmium, Total	120.	5.0	mg/kg	11/08/96
Cobalt, Total	0.00	1.0	mg/kg	/ /
Chromium, Total	99.	5.0	mg/kg	11/08/96
Copper, Total	140.	2.0	mg/kg	11/08/96
Mercury, Total	2.7	0.20	mg/kg	11/08/96
Nickel, Total	76.	3.0	mg/kg	11/08/96
Lead, Total	87.	6.0	mg/kg	11/08/96
Antimony, Total	BQL	50.	mg/kg	11/08/96
Selenium, Total	98.	20.	mg/kg	11/06/96
Tin, Total	0.00	16.	mg/kg	/ /
Thallium, Total	95.	10.	mg/kg	11/08/96
Vanadium, Total	0.00	20.	mg/kg	/ /
Zinc, Total	280.	10.	mg/kg	11/08/96
Base/Neutral and Acidic Extractable - Method SW-846-8270				
Semi-Volatiles List - Thomaston RFI - Method 8270				
2,4,5-Trichlorophenol	3600.	330.	ug/kg	11/07/96
2,4,6-Trichlorophenol	3500.	330.	ug/kg	11/07/96
2,4-Dichlorophenol	BQL	330.	ug/kg	11/07/96
2,6-Dichlorophenol	BQL	330.	ug/kg	11/07/96
2-Chlorophenol	BQL	330.	ug/kg	11/07/96
2-Methylnaphthalene	BQL	330.	ug/kg	11/07/96
Acenaphthene	2500.	330.	ug/kg	11/07/96
Anthracene	5100.	330.	ug/kg	11/07/96
Bis (2-ethylhexyl) phthalate	BQL	330.	ug/kg	11/07/96
Butyl benzylphthalate	3100.	330.	ug/kg	11/07/96
Dibenzofuran	1900.	330.	ug/kg	11/07/96
Diethylphthalate	BQL	330.	ug/kg	11/07/96
Di-n-octylphthalate	BQL	330.	ug/kg	11/07/96
Di-n-butylphthalate	700.	330.	ug/kg	11/07/96
Fluoranthene	3700.	330.	ug/kg	11/07/96
Fluorene	BQL	330.	ug/kg	11/07/96

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ENVIRITE CORPORATION  
620 West Germantown Pike  
Plymouth Meeting, PA 19462-

FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
Date Sample Collected: 11/01/1996  
Sample Description: PE Sample  
EAS Project Number: 1306-96  
EAS Sample Number: 9605900  
Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Naphthalene	1700.	330.	ug/kg	11/07/96
N-Nitrosodimethylamine	BQL	330.	ug/kg	11/07/96
N-Nitrosodiphenylamine	BQL	330.	ug/kg	11/07/96
Phenanthrene	1700.	330.	ug/kg	11/07/96
Pyrene	7200.	330.	ug/kg	11/07/96
Benzo (a) pyrene	BQL	330.	ug/kg	11/07/96
Benzo (b) fluoranthene	3900.	330.	ug/kg	11/07/96
Benzo (k) fluoranthene	BQL	330.	ug/kg	11/07/96
Solid Matrix PCB's - Method 608/8080				
Aroclor 1016	0.00	2.0	mg/kg	/ /
Aroclor 1221	0.00	2.0	mg/kg	/ /
Aroclor 1232	0.00	2.0	mg/kg	/ /
Aroclor 1242	0.00	2.0	mg/kg	/ /
Aroclor 1248	0.00	2.0	mg/kg	/ /
Aroclor 1254	0.00	2.0	mg/kg	/ /
Aroclor 1260	0.00	2.0	mg/kg	/ /
Solid Matrix Pesticides - Method 608/8080				
4,4'-DDD	0.00	4.0	ug/kg	/ /
4,4'-DDE	0.00	4.0	ug/kg	/ /
4,4'-DDT	0.00	4.0	ug/kg	/ /
Aldrin	0.00	2.0	ug/kg	/ /
Dieldrin	0.00	4.0	ug/kg	/ /
Endosulfan sulfate	0.00	4.0	ug/kg	/ /
Endrin aldehyde	0.00	4.0	ug/kg	/ /
Endrin	0.00	4.0	ug/kg	/ /
Endrin ketone	0.00	4.0	ug/kg	/ /
Heptachlor	0.00	2.0	ug/kg	/ /
Heptachlor epoxide	0.00	2.0	ug/kg	/ /
Methoxychlor	0.00	20.	ug/kg	/ /
a-BHC	0.00	2.0	ug/kg	/ /
a-Chlordane	0.00	4.0	ug/kg	11/07/96
Endosulfan I	0.00	4.0	ug/kg	11/07/96
b-BHC	0.00	2.0	ug/kg	11/07/96
b-Chlordane	0.00	4.0	ug/kg	11/07/96
Endosulfan II	0.00	4.0	ug/kg	11/07/96
d-BHC	0.00	2.0	ug/kg	11/07/96
g-BHC (Lindane)	0.00	2.0	ug/kg	11/07/96

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

DRAFT

FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: PE Sample  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605900  
 Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Solid Matrix Toxaphene/Chlordane - Method 608/8080				
Chlordane	0.00	100.	ug/kg	/ /
Toxaphene	0.00	100.	ug/kg	/ /
RFI Volatile list - Soils - Method 8260				
1,1,1-Trichloroethane	49.	10.	ug/kg	11/06/96
1,1,2,2-Tetrachloroethane	BQL	10.	ug/kg	11/06/96
1,1,2-Trichloroethane	BQL	10.	ug/kg	11/06/96
1,1-Dichloroethane	BQL	10.	ug/kg	11/06/96
1,1-Dichloroethene	BQL	10.	ug/kg	11/06/96
1,2-Dichloroethane	BQL	10.	ug/kg	11/06/96
1,2-Dichloropropane	BQL	10.	ug/kg	11/06/96
Dibromochloromethane	89.	10.	ug/kg	11/06/96
2-Chloroethyl vinyl ether	BQL	10.	ug/kg	11/06/96
2-Hexanone	BQL	10.	ug/kg	11/06/96
Acetone	4.3	J 10.	ug/kg	11/06/96
Acrolein	BQL	100.	ug/kg	11/06/96
Benzene	BQL	10.	ug/kg	11/06/96
Bromodichloromethane	84.	10.	ug/kg	11/06/96
Bromomethane	BQL	10.	ug/kg	11/06/96
Bromoform	98.	10.	ug/kg	11/06/96
cis-1,2-Dichloroethene	BQL	10.	ug/kg	11/06/96
cis-1,3-Dichloropropene	BQL	1.0	ug/kg	11/06/96
Carbon disulfide	BQL	10.	ug/kg	11/06/96
Carbon tetrachloride	68.	10.	ug/kg	11/06/96
Chloroform	68.	10.	ug/kg	11/06/96
Chlorobenzene	30.	10.	ug/kg	11/06/96
Chloroethane	BQL	10.	ug/kg	11/06/96
Chloromethane	BQL	6.6	ug/kg	11/06/96
Ethylbenzene	29.	10.	ug/kg	11/06/96
Methylene chloride	74.	10.	ug/kg	11/06/96
2-Butanone (MEK)	BQL	10.	ug/kg	11/06/96
4-Methyl-2-Pentanone	16.	10.	ug/kg	11/06/96
Styrene	BQL	10.	ug/kg	11/06/96
trans-1,2-Dichloroethene	BQL	10.	ug/kg	11/06/96
trans-1,3-Dichloropropene	BQL	1.0	ug/kg	11/06/96
Tetrachloroethylene	65.	10.	ug/kg	11/06/96
Toluene	37.	10.	ug/kg	11/06/96
Total Xylenes	140.	10.	ug/kg	11/06/96
Trichloroethylene	52.	10.	ug/kg	11/06/96

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

**DRAFT**  
 FOR REVIEW ONLY

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/01/1996  
 Sample Description: PE Sample  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9605900  
 Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Vinyl acetate	BQL	10.	ug/kg	11/06/96
Vinyl chloride	BQL	10.	ug/kg	11/06/96

\* Comments \*

VOA TIC's  
 1,3-Dichlorobenzene 49 ug/kg.  
 1,4-Dichlorobenzene 52 ug/kg.  
 1,2-Dichlorobenzene 70 ug/kg.  
 Unknown 110 ug/kg.

BNA TIC's  
 Phenol 2800 ug/kg  
 1,2-Dichlorobenzene 3000 ug/kg  
 2-Methylphenol 2700 ug/kg  
 4-Methylphenol 3200 ug/kg  
 1,2,4-Trichlorobenzene 4500 ug/kg  
 2,4-Dinitrotoluene 5000 ug/kg  
 4-Chlorophenylphenylether 4300  
 Pentachlorophenol 4900 ug/kg  
 Benzo(a)anthracene 4500 ug/kg  
 Chrysene 4700 ug/kg

DRAFT

FOR REVIEW ONLY

Author: GLAWRE at EAS  
Date: 11/8/96 9:01 AM  
Priority: Normal  
TO: JCULIK  
Subject: Re: Thomaston UST Project

----- Message Contents -----

Please review the raw data and see if you can reach the following  
detection limits:

2,4,6-Trichlorophenol 60 ug/kg	37
n-Nitrosodimethylamine 110 ug/kg	80
n-Nitrosodiphenylamine 200 ug/kg	18
Pentachlorophenol 1000 ug/kg	750

*Relist. of 2-15. xlvch - e / 2*

PS

Also

1,1,2,2-Tetrachloroethane 1.0 ug/kg

*200 ug/kg @ 1.0*

Thanks

# ENVIRITE CORPORATION

TECHNOLOGY FOR THE ENVIRONMENT

December 9, 1996

Via Facsimile & U.S. Mail

Mr. Raphael J. Cody  
U.S. Environmental Protection Agency  
Office of Site Remediation & Restoration  
Corrective Action Section - HBT  
J.F.K. Federal Building,  
Boston, MA 02203-0001

**Re: RFI Status Report for the Month of November 1996; RCRA Docket I-90-1032**

Dear Mr. Cody:

The following report summarizes the current status of Envirite's RFI project for the month of November 1996. The report adheres to the requirements specified in the Consent Order at Attachment IV, Section E.2.

## Tasks Completed

In the October status report I reported that further excavation of the east UST area was required to remove traces of potentially contaminated soil not retrievable with the equipment that was currently on hand. On November 12 the remediation contractor returned to the site, in your presence and mine, to complete the excavation of the east UST and to complete the backfilling of the west UST excavation. Summarized below is an account of the field activities and accomplishments.

Excavation of the east UST resumed from the level previously attained - approximately twelve feet below grade. From this level; approximately three cubic yards of soil were removed and stockpiled on polyethylene sheeting. Soils of darker coloration were encountered at approximately 14 feet below grade. These soils were placed in a twenty-yard roll-off container for future disposal. As excavation continued, a distinct layer of this darker material was observed uniformly distributed at the perimeter of the excavation (approximately 14 fbg.). A quantity of this material was sampled and evaluated in the field. The sample appeared to be of clay-like consistency and contained fragments of decayed vegetation. Based on this observation and the uniform distribution of this material, it was theorized that the stratification was not the result of a chemical contaminant, but rather, a historic flood plain deposit. To further characterize this material, a sample was delivered to EAS Laboratories for further evaluation. The sample was analyzed for sulfide, pH, and VOCs. No significant concentrations of sulfide or VOCs were detected, and the pH was determined to be characteristic of native soils (the

analytical results are attached). On the basis of this information, the decision was made to not excavate further.

Samples of media were collected - two from the bottom of the excavation, five from the soil stockpile, and one, a sample of the east UST contents, was collected from the roll-off container. The analytical results on the UST contents sample indicated mass concentrations of trichloroethylene at 0.093 mg/kg and tetrachloroethylene at 2.1 mg/kg. No other site-specific organic compounds were detected. To further characterize the east UST excavated materials in the roll-off containers, a TCLP was conducted on a composite sample. The results indicate that this material is not characteristically hazardous. Analytical results are attached.

Based on the results of these and previous analyses, it was concluded that the remediation goals had been met, and that the excavations could now be closed. The remediation personnel returned to the site on November 24 to backfill and grade the east excavation. Displaced soil volume was replaced with purchased, bank-run gravel with physical properties similar to the excavated soils (chemical analysis of the soil supply was conducted on November 7 on two grab samples to ensure conformance with site-specific parameters). Of the 38 cubic yards of soil purchased, approximately 30 cubic yards went into backfilling the excavation. Approximately 35 cubic yards of excavated media from the east UST area are currently stored in two roll-off containers awaiting off-site disposal.

#### Tasks Not Completed

The two additional work activities identified in your April 25, 1996 letter, namely, the soil gas survey and the UST closures, have essentially been completed. Disposal of the UST materials and excavated soils remains to be completed, and final disposal approvals are currently being sought. Envirite is prepared now to focus its attention to preparation of the RFI Supplement and the Public Health and Environmental Risk Evaluation (PHERE). We are currently in the process of negotiating a contractual agreement with our risk consultant and our hydrogeological consultant for the preparation of these documents.

#### Sampling/Analytical Results

Copies of analytical results for the following samples are attached: the dark soil band material described above, the east UST contents (mass and TCLP organics data), east UST north and south bottom samples, the east UST soil stockpile, and the east UST roll-off contents (for TCLP organics). The complete CLP data package is available upon request, but will be submitted with the RFI Supplement.

#### Problem Areas

As you are aware, Envirite incurred unanticipated delays while implementing its responsibilities under Connecticut Transfer Act. Consequently, the UST remediation project has extended beyond the target completion date, and it is apparent now that submission of the PHERE and the RFI Supplement may extend four to six weeks beyond the February 1 target submission date. Envirite regrets this setback and will work cooperatively with its consultants to expedite the submission of these reports. No other

problem areas have been identified that would significantly impact the timely completion of scheduled tasks.

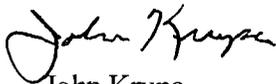
Projected Tasks

Envirite anticipates completion of the following tasks over the course of the next two months:

- \* Disposal of UST materials and contaminated soils.
- \* Submission of a draft RFI Supplement and PHERE responding to all specific comments and concerns posed by EPA in its July 25, 1996 Phase I approval letter and attachments.
- \* Preparation of a workplan for the determination of permeability and long-term stability of the pre-RCRA landfill treatment residues in cells 1, 2, and 3 at the site.

Please let me know if you have any questions regarding this report.

Very truly yours,



John Krupa  
Compliance Specialist

enc.

cc: C. Brammer, 1st Selectman, Thomaston  
D. Duva, CT DEP  
F. Marrazza, Environ  
T. Mueller, Thomaston WPCA  
W. McTigue, Envirite

ENVIRITE CORPORATION  
620 West Germantown Pike  
Plymouth Meeting, PA 19462-

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
Date Sample Collected: 11/12/1996  
Sample Description: East UST - Soil Sample - Layer of Black Material  
EAS Project Number: 1306-96  
EAS Sample Number: 9606084  
Date Sample Received: 11/12/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
pH	6.9			11/12/96
Sulfide, Total	BQL	10.	mg/kg	11/12/96

\* Comments \*

Sulfide was determined using a screening method with lead acetate paper.

BQL = Below Quantitation Limit

\* Certification \*

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
2. Clean Water Act, List of Approved Test Procedures, 40 CFR.
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987.

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/12/1996  
 Sample Description: East UST Contents  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9606146  
 Date Sample Received: 11/13/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Solid Matrix - Method 8260				
1,1,1-Trichloroethane	BQL	25.	ug/kg	11/15/96
1,1,2,2-Tetrachloroethane	BQL	25.	ug/kg	11/15/96
1,1,2-Trichloroethane	BQL	25.	ug/kg	11/15/96
1,1-Dichloroethane	BQL	25.	ug/kg	11/15/96
1,1-Dichloroethene	BQL	25.	ug/kg	11/15/96
1,2-Dichloroethane	BQL	25.	ug/kg	11/15/96
1,2-Dichloropropane	BQL	25.	ug/kg	11/15/96
Dibromochloromethane	BQL	25.	ug/kg	11/15/96
2-Chloroethyl vinyl ether	BQL	25.	ug/kg	11/15/96
Trichlorofluoromethane	BQL	25.	ug/kg	11/15/96
Acrolein	BQL	130.	ug/kg	11/15/96
Acrylonitrile	BQL	130.	ug/kg	11/15/96
Benzene	BQL	25.	ug/kg	11/15/96
Bromodichloromethane	BQL	25.	ug/kg	11/15/96
Bromomethane	BQL	25.	ug/kg	11/15/96
Bromoform	BQL	25.	ug/kg	11/15/96
cis-1,3-Dichloropropene	BQL	25.	ug/kg	11/15/96
Carbon tetrachloride	BQL	25.	ug/kg	11/15/96
Chloroform	BQL	25.	ug/kg	11/15/96
Chlorobenzene	BQL	25.	ug/kg	11/15/96
Chloroethane	BQL	25.	ug/kg	11/15/96
Chloromethane	BQL	25.	ug/kg	11/15/96
Ethylbenzene	BQL	25.	ug/kg	11/15/96
Methylene chloride	BQL	25.	ug/kg	11/15/96
2-Butanone (MEK)	BQL	25.	ug/kg	11/15/96
trans-1,2-Dichloroethene	BQL	25.	ug/kg	11/15/96
trans-1,3-Dichloropropene	BQL	25.	ug/kg	11/15/96
Tetrachloroethylene	2100.	E 25.	ug/kg	11/15/96
Toluene	BQL	25.	ug/kg	11/15/96
Trichloroethylene	93.	25.	ug/kg	11/15/96
Vinyl chloride	BQL	25.	ug/kg	11/15/96
Xylene, Total	BQL	25.	ug/kg	11/15/96
TCLP Extraction for Volatiles				
				11/15/96
TCLP for Volatile Organic Compounds - Method SW-846-1311				
TCLP Leachate for VOC's - Method SW-846-8000				
1,1-Dichloroethene	BQL	0.020	mg/L	11/15/96
1,2-Dichloroethane	BQL	0.020	mg/L	11/15/96
Benzene	BQL	0.020	mg/L	11/15/96

ENVIRITE CORPORATION  
620 West Germantown Pike  
Plymouth Meeting, PA 19462-

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
Date Sample Collected: 11/12/1996  
Sample Description: East UST Contents  
EAS Project Number: 1306-96  
EAS Sample Number: 9606146  
Date Sample Received: 11/13/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Carbon tetrachloride	BQL	0.020	mg/L	11/15/96
Chloroform	BQL	0.020	mg/L	11/15/96
Chlorobenzene	BQL	0.020	mg/L	11/15/96
2-Butanone (MEK)	BQL	0.020	mg/L	11/15/96
Tetrachloroethylene	0.90	0.020	mg/L	11/15/96
Trichloroethylene	BQL	0.020	mg/L	11/15/96
Vinyl chloride	BQL	0.020	mg/L	11/15/96

\* Comments \*

VOA TIC's 1,3-Dichlorobenzene app 630 ug/kg  
1,2-Dichlorobenzene app 1000 ug/kg  
1,4-Dichlorobenzene 170 ug/kg.

BQL = Below Quantitation Limit

\* Certification \*

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
2. Clean Water Act, List of Approved Test Procedures, 40 CFR.
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987.

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/12/1996  
 Sample Description: East Overdig Bottom - North  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9606147  
 Date Sample Received: 11/13/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Cyanide, Total	BQL	5.0	mg/kg	11/15/96
Total Petroleum Hydrocarbons	BQL	60.	mg/kg	11/19/96
RFI Volatile list - Soils - Method 8260				
1,1,1-Trichloroethane	BQL	10.	ug/kg	11/15/96
1,1,2,2-Tetrachloroethane	BQL	10.	ug/kg	11/15/96
1,1,2-Trichloroethane	BQL	10.	ug/kg	11/15/96
1,1-Dichloroethane	BQL	10.	ug/kg	11/15/96
1,1-Dichloroethene	BQL	10.	ug/kg	11/15/96
1,2-Dichloroethane	BQL	10.	ug/kg	11/15/96
1,2-Dichloropropane	BQL	10.	ug/kg	11/15/96
Dibromochloromethane	BQL	10.	ug/kg	11/15/96
2-Chloroethyl vinyl ether	BQL	10.	ug/kg	11/15/96
2-Hexanone	BQL	10.	ug/kg	11/15/96
Acetone	100.	10.	ug/kg	11/15/96
Acrolein	BQL	100.	ug/kg	11/15/96
Benzene	BQL	10.	ug/kg	11/15/96
Bromodichloromethane	BQL	10.	ug/kg	11/15/96
Bromomethane	1.2	J 10.	ug/kg	11/15/96
Bromoform	BQL	10.	ug/kg	11/15/96
cis-1,2-Dichloroethene	1.0	J 10.	ug/kg	11/15/96
cis-1,3-Dichloropropene	BQL	1.0	ug/kg	11/15/96
Carbon disulfide	BQL	10.	ug/kg	11/15/96
Carbon tetrachloride	BQL	10.	ug/kg	11/15/96
Chloroform	BQL	10.	ug/kg	11/15/96
Chlorobenzene	BQL	10.	ug/kg	11/15/96
Chloroethane	BQL	10.	ug/kg	11/15/96
Chloromethane	BQL	6.6	ug/kg	11/15/96
Ethylbenzene	BQL	10.	ug/kg	11/15/96
Methylene chloride	14.	10.	ug/kg	11/15/96
2-Butanone (MEK)	21.	10.	ug/kg	11/15/96
4-Methyl-2-Pentanone	BQL	10.	ug/kg	11/15/96
Styrene	BQL	10.	ug/kg	11/15/96
trans-1,2-Dichloroethene	BQL	10.	ug/kg	11/15/96
trans-1,3-Dichloropropene	BQL	1.0	ug/kg	11/15/96
Tetrachloroethylene	1.2	J 10.	ug/kg	11/15/96
Toluene	BQL	10.	ug/kg	11/15/96
Total Xylenes	BQL	10.	ug/kg	11/15/96
Trichloroethylene	BQL	10.	ug/kg	11/15/96
Vinyl acetate	BQL	10.	ug/kg	11/15/96

ENVIRITE CORPORATION  
620 West Germantown Pike  
Plymouth Meeting, PA 19462-

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
Date Sample Collected: 11/12/1996  
Sample Description: East Overdig Bottom - North  
EAS Project Number: 1306-96  
EAS Sample Number: 9606147  
Date Sample Received: 11/13/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Vinyl chloride	BQL	10.	ug/kg	11/15/96

BQL = Below Quantitation Limit

\* Certification \*

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
2. Clean Water Act, List of Approved Test Procedures, 40 CFR.
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987.

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/12/1996  
 Sample Description: East Overdig Bottom - South  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9606148  
 Date Sample Received: 11/13/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Cyanide, Total	BQL	5.0	mg/kg	11/15/96
Total Petroleum Hydrocarbons	BQL	60.	mg/kg	11/19/96
RFI Volatile list - Soils - Method 8260				
1,1,1-Trichloroethane	BQL	10.	ug/kg	11/15/96
1,1,2,2-Tetrachloroethane	BQL	10.	ug/kg	11/15/96
1,1,2-Trichloroethane	BQL	10.	ug/kg	11/15/96
1,1-Dichloroethane	BQL	10.	ug/kg	11/15/96
1,1-Dichloroethene	BQL	10.	ug/kg	11/15/96
1,2-Dichloroethane	BQL	10.	ug/kg	11/15/96
1,2-Dichloropropane	BQL	10.	ug/kg	11/15/96
Dibromochloromethane	BQL	10.	ug/kg	11/15/96
2-Chloroethyl vinyl ether	BQL	10.	ug/kg	11/15/96
2-Hexanone	BQL	10.	ug/kg	11/15/96
Acetone	100.	10.	ug/kg	11/15/96
Acrolein	BQL	100.	ug/kg	11/15/96
Benzene	BQL	10.	ug/kg	11/15/96
Bromodichloromethane	BQL	10.	ug/kg	11/15/96
Bromomethane	1.8	J 10.	ug/kg	11/15/96
Bromoform	BQL	10.	ug/kg	11/15/96
cis-1,2-Dichloroethene	BQL	10.	ug/kg	11/15/96
cis-1,3-Dichloropropene	BQL	1.0	ug/kg	11/15/96
Carbon disulfide	BQL	10.	ug/kg	11/15/96
Carbon tetrachloride	BQL	10.	ug/kg	11/15/96
Chloroform	1.4	J 10.	ug/kg	11/15/96
Chlorobenzene	BQL	10.	ug/kg	11/15/96
Chloroethane	BQL	10.	ug/kg	11/15/96
Chloromethane	BQL	6.6	ug/kg	11/15/96
Ethylbenzene	BQL	10.	ug/kg	11/15/96
Methylene chloride	8.7	J 10.	ug/kg	11/15/96
2-Butanone (MEK)	18.	10.	ug/kg	11/15/96
4-Methyl-2-Pentanone	BQL	10.	ug/kg	11/15/96
Styrene	BQL	10.	ug/kg	11/15/96
trans-1,2-Dichloroethene	BQL	10.	ug/kg	11/15/96
trans-1,3-Dichloropropene	BQL	1.0	ug/kg	11/15/96
Tetrachloroethylene	1.5	J 10.	ug/kg	11/15/96
Toluene	BQL	10.	ug/kg	11/15/96
Total Xylenes	BQL	10.	ug/kg	11/15/96
Trichloroethylene	BQL	10.	ug/kg	11/15/96
Vinyl acetate	BQL	10.	ug/kg	11/15/96

ENVIRITE CORPORATION  
620 West Germantown Pike  
Plymouth Meeting, PA 19462-

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
Date Sample Collected: 11/12/1996  
Sample Description: East Overdig Bottom - South  
EAS Project Number: 1306-96  
EAS Sample Number: 9606148  
Date Sample Received: 11/13/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Vinyl chloride	BQL	10.	ug/kg	11/15/96

BQL = Below Quantitation Limit

\* Certification \*

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
2. Clean Water Act, List of Approved Test Procedures, 40 CFR.
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987.

ENVIRITE CORPORATION  
 620 West Germantown Pike  
 Plymouth Meeting, PA 19462-

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
 Date Sample Collected: 11/12/1996  
 Sample Description: East Level 2 Pile Composite  
 EAS Project Number: 1306-96  
 EAS Sample Number: 9606149  
 Date Sample Received: 11/13/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Cyanide, Total	BQL	5.0	mg/kg	11/15/96
Total Petroleum Hydrocarbons	BQL	40.	mg/kg	11/19/96
RFI Volatile list - Soils - Method 8260				
1,1,1-Trichloroethane	BQL	10.	ug/kg	11/15/96
1,1,2,2-Tetrachloroethane	BQL	10.	ug/kg	11/15/96
1,1,2-Trichloroethane	BQL	10.	ug/kg	11/15/96
1,1-Dichloroethane	BQL	10.	ug/kg	11/15/96
1,1-Dichloroethene	BQL	10.	ug/kg	11/15/96
1,2-Dichloroethane	BQL	10.	ug/kg	11/15/96
1,2-Dichloropropane	BQL	10.	ug/kg	11/15/96
Dibromochloromethane	BQL	10.	ug/kg	11/15/96
2-Chloroethyl vinyl ether	BQL	10.	ug/kg	11/15/96
2-Hexanone	BQL	10.	ug/kg	11/15/96
Acetone	8.1	J 10.	ug/kg	11/15/96
Acrolein	BQL	100.	ug/kg	11/15/96
Benzene	BQL	10.	ug/kg	11/15/96
Bromodichloromethane	BQL	10.	ug/kg	11/15/96
Bromomethane	3.1	J 10.	ug/kg	11/15/96
Bromoform	BQL	10.	ug/kg	11/15/96
cis-1,2-Dichloroethene	BQL	10.	ug/kg	11/15/96
cis-1,3-Dichloropropene	BQL	1.0	ug/kg	11/15/96
Carbon disulfide	BQL	10.	ug/kg	11/15/96
Carbon tetrachloride	BQL	10.	ug/kg	11/15/96
Chloroform	1.5	J 10.	ug/kg	11/15/96
Chlorobenzene	BQL	10.	ug/kg	11/15/96
Chloroethane	BQL	10.	ug/kg	11/15/96
Chloromethane	1.4	J 6.6	ug/kg	11/15/96
Ethylbenzene	BQL	10.	ug/kg	11/15/96
Methylene chloride	8.9	J 10.	ug/kg	11/15/96
2-Butanone (MEK)	BQL	10.	ug/kg	11/15/96
4-Methyl-2-Pentanone	BQL	10.	ug/kg	11/15/96
Styrene	BQL	10.	ug/kg	11/15/96
trans-1,2-Dichloroethene	BQL	10.	ug/kg	11/15/96
trans-1,3-Dichloropropene	BQL	1.0	ug/kg	11/15/96
Tetrachloroethylene	BQL	10.	ug/kg	11/15/96
Toluene	BQL	10.	ug/kg	11/15/96
Total Xylenes	BQL	10.	ug/kg	11/15/96
Trichloroethylene	BQL	10.	ug/kg	11/15/96
Vinyl acetate	BQL	10.	ug/kg	11/15/96

ENVIRITE CORPORATION  
620 West Germantown Pike  
Plymouth Meeting, PA 19462-

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
Date Sample Collected: 11/12/1996  
Sample Description: East Level 2 Pile Composite  
EAS Project Number: 1306-96  
EAS Sample Number: 9606149  
Date Sample Received: 11/13/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
Vinyl chloride	BQL	10.	ug/kg	11/15/96

BQL = Below Quantitation Limit

\* Certification \*

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
2. Clean Water Act, List of Approved Test Procedures, 40 CFR.
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987.

ENVIRITE CORPORATION  
620 West Germantown Pike  
Plymouth Meeting, PA 19462-

Location Collected: 198 Old Waterbury Rd. Thomaston, CT  
Date Sample Collected: 11/01/1996  
Sample Description: East UST Rolloff Composite  
EAS Project Number: 1306-96  
EAS Sample Number: 9605894  
Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
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BQL = Below Quantitation Limit

\* Certification \*

Connecticut Certified Laboratory Number: PH 0558

New York Certified Laboratory Number: 10916

Massachusetts Certified Laboratory Number: CT 020

The above analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
2. Clean Water Act, List of Approved Test Procedures, 40 CFR.
3. EPA Test Methods for the Evaluation of Solid Waste, SW-846, 3rd Edition, December, 1987.

ENVIRITE CORPORATION  
620 West Germantown Pike  
Plymouth Meeting, PA 19462-

Location Collected: 193 Old Waterbury Rd. Thomaston, CT  
Date Sample Collected: 11/01/1996  
Sample Description: East UST Rolloff Composite  
EAS Project Number: 1306-96  
EAS Sample Number: 9605894  
Date Sample Received: 11/02/1996

Parameter	Data	Quantitation Limit	Units	Analysis Date
pH	5.5			11/04/96
Leachable Metals Digestion - Method SW846				11/06/96
Silver, Leachate	BQL	0.035	mg/L	11/11/96
Arsenic, Leachate	BQL	0.050	mg/L	11/07/96
Barium, Leachate	BQL	1.0	mg/L	11/12/96
Cadmium, Leachate	0.12	0.0050	mg/L	11/08/96
Chromium, Leachate	BQL	0.050	mg/L	11/08/96
Mercury, Leachate	BQL	0.0020	mg/L	11/08/96
Lead, Leachate	0.22	0.060	mg/L	11/08/96
Selenium, Leachate	BQL	0.050	mg/L	11/06/96
TCLP Extraction for Metals				11/04/96
TCLP Extraction for Volatiles				11/20/96
TCLP for Volatile Organic Compounds - Method SW-846-1311				11/20/96
TCLP Leachate for VOC's - Method SW-846-8000				
1,1-Dichloroethene	BQL	0.020	mg/L	11/21/96
1,2-Dichloroethane	BQL	0.020	mg/L	11/21/96
Benzene	BQL	0.020	mg/L	11/21/96
Carbon tetrachloride	BQL	0.020	mg/L	11/21/96
Chloroform	BQL	0.020	mg/L	11/21/96
Chlorobenzene	BQL	0.020	mg/L	11/21/96
2-Butanone (MEK)	BQL	0.020	mg/L	11/21/96
Tetrachloroethylene	0.040	0.020	mg/L	11/21/96
Trichloroethylene	BQL	0.020	mg/L	11/21/96
Vinyl chloride	BQL	0.020	mg/L	11/21/96