CLOSURE PLAN - VOLUMES II AND III
RESULTS OF SITE CHARACTERIZATION PROGRAM
FOR
>90 DAY HAZARDOUS WASTE STORAGE AREAS

FORMER SYNTHETIC PRODUCTS COMPANY
375 BARNUM AVENUE CUT-OFF
STRATFORD, CONNECTICUT

CTD #000844365

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CLOSURE PLAN - VOLUME II

RESULTS OF SITE CHARACTERIZATION PROGRAM AND PROPOSED CLOSURE APPROACH

FORMER SYNTHETIC PRODUCTS COMPANY
375 BARNUM AVENUE CUT-OFF
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5.0 INTRODUCTION TO SITE CHARACTERIZATION PROGRAM

On May 20, 1997, HRP Associates, Inc., on behalf of SPC Divestitures, Inc. (SPC), submitted "Closure Plan - Volume I Work Plan" to the CT DEP in order to indicate closure of five (5) greater than 90 day hazardous waste storage areas [three >90 day container storage areas (Primary, Secondary and Former Drum Storage Area II) and two >90 day storage tanks (Front Room and Back Room)] at the 375 Barnum Avenue Cut-off facility in Stratford (see Appendix M). SPC began closure activities "at risk" after submission of Closure Plan Volume I to the CT DEP on May 20, 1997. A revised Volume I was submitted in September 1999, in response to CT DEP comments dated May 24, 1999 (see Appendix N). On February 11, 2001, revised pages to Volume I were submitted to the CT-DEP in response to CT-DEP's January 4, 2001 comment letter.

6.0 SITE CHARACTERIZATION

6.1 Appendix IX Sampling

On July 2, 1997, HRP Associates proceeded with the Appendix IX sampling (as described in Section 3.1.2 of the Work Plan) for the Primary Container Storage Area and the Front Room of the facility.

Based upon the results of the Appendix IX sampling for the Primary Container Storage Area, the COCs listed below were identified and added to the COC list (see Table 2 of Closure Plan - Volume I). This modified COC list (Table 2 plus the COCs listed below) represented all COCs associated with the three (3) container storage areas (i.e. Primary, Secondary and former Drum Storage Area II) at the site:

- cobalt
- copper
- vanadium
- cyanide
- silver
- nickel
- beryllium
- copper
- di-n-butyl phthalate
- bis (2-ethylhexyl) phthalate
- dimethyl phthalate

It was HRP's opinion that the primary container storage area's secondary containment structures represented a "worst case" Appendix IX sample for all three (3) container storage areas. Therefore, for the reasons listed below, Appendix IX sampling of the secondary container storage area and Drum Storage Area II was not believed necessary.

1. The Primary and Secondary Container Storage Areas were used to store essentially the same wastes.

2. The volume of waste managed within the Primary Container Storage Area was significantly greater than Secondary Container Storage Area.

3. The secondary containment systems for the Primary and Secondary Container Storage Areas were constructed of concrete and asphalt respectively. Due to the laboratory interferences incurred when analyzing asphalt materials, the potential for detecting additional Appendix IX constituents managed in the storage areas, was significantly greater in the concrete.

4. The asphalt base and underlying soil of Former Drum Storage Area II were removed in 1990.

Appendix IX analysis of the concrete chip samples from the front room resulted in the detection of COCs listed below, which were not identified through the records review. These additional COCs were added to Table 2 and represented all COCs associated with the two (2) tank storage areas (i.e. front room and back room):

- cobalt
- copper
- mercury
- nickel
- silver
- vanadium
- bis (2-ethylhexyl) phthalate
- di-n-butyl phthalate
- dimethyl phthalate
- benzene
- chloroform
- ethylbenzene
- methyl isobutyl ketone
- toluene
- p/m-xylenes
- o-xylenes
- carbon tetrachloride

Copies of the laboratory reports are provided as Appendix O. All identified constituents of concern (COC) and media specific closure criteria (MCC's) for each area are provided in Sections 6.2.1 through 6.2.5.

6.2 Identification of Contamination from Secondary Containment Structures

6.2.1 Primary Container Storage Area

CRA, on behalf of Kraft Foods, performed a limited subsurface investigation in the Primary Container Storage Area in May 1995 (*"Supplemental Hydrogeological Investigation Report, Synthetic Products Company, May, 1996, Conestoga-Rovers"*).The soil results from the Kraft investigation have been included as Table 35.

Two Kraft soil sampling points, SB-5 (2-4') and SB-6 (1-3'), were installed within and near the Primary Container Storage Area. The only exceedence of MCCs reported by CRA in this area is cadmium by SPLP detected in sample SB-5 (2-4'). The arsenic concentration detected in SB-5 (2-4') equals and does not exceed the closure standard of 10 mg/kg. Nevertheless, this sample was located within the area that was later excavated by SPC (see Section 10.1).

SPC removed the concrete base of the Primary Container Storage Area instead of incurring costs to decontaminate and sample the concrete. In order to ensure clean closure, however, subsurface and lateral soil samples (OUT-SUB-#) were collected from the area on October 14 and 15, 1997, after removal of the concrete slab.

The locations of confirmatory sampling are depicted on Figure 15, while the sample results are summarized in Tables 10, 11, and 12. The following confirmatory samples had constituents detected above their respective media closure criteria (MCC's):

- antimony via mass and SPLP analyses at location OUT-LAT-1;
- arsenic via mass analysis at location OUT-LAT-1 and OUT-LAT-2;
- cadmium via mass analysis at location OUT-LAT-1; and
- phenol via mass analysis at location OUT-LAT-2.

Based upon the sample results summarized in Tables 10, 11, and 12, SPC excavated the top 2 feet of soil from the area depicted on Figure 15. HRP collected 4 "confirmatory" soil samples (PRIM-CSA-#) from the base of the excavation on March 27, 1998, as depicted on Figure 15. The confirmatory soil samples were submitted for analysis of antimony, arsenic,

and cadmium via mass and SPLP analyses, and for analysis of phenol via mass analysis. As summarized in Table 13, the results of the analyses for antimony, cadmium, and phenols were all below their respective MCC's. The results of analyses for arsenic via mass analysis, however, exceeded arsenic's direct exposure MCC at 3 of the 4 sample locations.

Based upon the sample results summarized in Table 13, SPC excavated the area depicted on Figure 15, to the ground water table (approximately 6 feet below grade) on December 12, 1998. HRP collected sidewall samples from this excavation on December 17, 1998. The sidewall samples were submitted for analysis of arsenic via mass analysis. As summarized in Table 13, only sidewall sample SIDE5 exceeded the arsenic's direct exposure MCC.

In efforts to meet the arsenic MCC, SPC on January 7, 1999, excavated the area north of sidewall sample SIDE5 (see Figure 15) to the ground water table (approximately 6 feet). HRP collected two (2) sidewall samples from the north side of this excavation on January 7, 1999. As indicated in Table 13, the direct exposure MCC for arsenic was met in both sidewall samples. Laboratory reports are included as Appendix P. The excavation was backfilled by SPC with clean materials (see Section 10.6).

6.2.2 *Secondary Container Storage Area (>90 Day)*

On October 15, 1997, HRP Associates began its investigation to verify that there is no contamination of soils associated with the Secondary Container Storage Area. Some cracking was noticed in the asphalt base of the Secondary Container Storage Area. One (1) soil sample was collected under each suspect area (a total of five (5) samples). Locations of the five samples (SEC-SUB-#) are depicted on Figure 16.

In order to reach the subsoils beneath the asphalt, an electric rotohammer and chisel bit was used. After reaching the subsoil with the rotohammer, a hand auger was used to collect a soil sample (6" to 12" below the asphalt surface. The five (5) soil samples were submitted to an analytical laboratory for analysis of metallic COC's via mass analysis (Table 14) and SPLP (Table 15). Results of volatile and semi-volatile VOC COC via Mass Analysis are included as Table 16. All five samples were below the Direct Exposure and Pollutant Mobility Standards listed on Table 14 (metals via mass analysis), Table 15 (metals via SPLP), and Table 16 (volatiles and semi-volatiles via Mass Analysis). Laboratory reports are included as Appendix P.

The asphalt base was not sampled due to expected interferences from the asphalt material itself. The asphalt base was removed and disposed of by Earth Technologies, Inc.

6.2.3 Former Drum Storage Area II

Former Drum Storage Area II was used for outdoor container storage as listed on the original Part A application by Dart Industries. The approximate location of the former drum storage area is shown on Figure 17. As discussed in Volume I of this Closure Plan, the former Dart Industries, (Kraft, Inc.) has accepted responsibility for excavation of the former leachfield.

The asphalt and soil underlying this area was removed by Kraft Inc. to the ground water table during excavation of the facility's former leachfield in 1990. In order to verify soils to the southeast of Drum Storage Area II were not impacted by former drum storage operations, HRP collected two surficial soil samples adjacent to the edge of the previous excavation of Drum Storage Area II. As summarized in Tables 17, 18, and 19, SPLP antimony was the only constituent detected above its clean closure standard.

To complete closure of the former Drum Storage Area II, SPC excavated the top 2 feet of soil from an area measuring 5' wide by 10' long. HRP then collected 4 confirmatory samples (1 base, 3 sidewall) from the locations depicted on Figure 17. The confirmatory samples were analyzed for antimony only, via SPLP. The results of the analyses were all below the 0.06 mg/L Pollutant Mobility MCC for antimony. Laboratory reports are included as Appendix P. The excavation was backfilled by SPC with clean material.

6.2.4 *Front Room*

CRA, on behalf of Kraft Foods, performed a limited subsurface investigation in the Primary Container Storage Area in May 1995. The results of the CRA investigation have been included as Table 35.

Four CRA samples were collected from beneath the Front Room: SB-3 (2.5-4.5'), SB-3A (3-5'), SB-4 (3.5-5.5') and SB-5A (5-7'). COCs that were detected by CRA above the respective MCCs are summarized below.

Location	COC	Exceeded MCC	Notes
SB-3	Benzene = 1.5 mg/kg	>GB PMC (0.2 mg/kg)	Remediated by Kraft SVE system
	Lead (TCLP) = 0.21 mg/L	>GB PMC (0.15 mg/L)	***see below***
SB-3A	Arsenic = 12.8 mg/kg	>Res & I/C DEC (10 mg/kg)	Remediated by excavation
SB-4	Benzene = 0.210 mg/kg	>GB PMC (0.2 mg/kg)	Remediated by Kraft SVE system
SB-5A	Toluene = 160 mg/kg	>GB PMC (67 mg/kg)	Remediated by Kraft SVE system

Regarding the slight lead-TCLP exceedence noted above, the use of TCLP is a very aggressive, conservative approach to evaluating the potential for a contaminant to leach from soil. Although the sample location is outside of the excavation area, it is safely presumed that SPLP analysis of the same sample will yield a result much lower than both the TCLP-result and the GB PMC standard.

The concrete floor in the front (west) room of the facility building was excavated by Earth Technology, LLC on September 15, 1997 and disposed of at an off-site facility. Excavation and disposal of the concrete floor was performed under SPC's supervision. Following excavation of the concrete, HRP collected a total of 18 soil samples from the Front Room on October 10, 1997. The sample locations, as depicted on Figure 18A, were collected from soils located beneath the intermediate hazardous waste storage tanks, as well as from soils beneath the floor trenches and sumps utilized to collect and convey the "organic" hazardous waste. It is important to note that 3 of the soil samples (FTRM-6, FTRM-7, FTRM-8) were collected from a filled area where the facility's boiler was formerly located.

All sample results are summarized in Tables 20 through 23. Based upon the sample results presented in Tables 20 through 23, SPC decided to perform additional soil excavation to try to meet the goal of clean closure. SPC excavated the top 2 feet of soil from the western portion of the Front Room, as well as 2 feet of soil from the former boiler location. The western excavation addressed the MCC exceedances observed in Samples FTRM2, FTRM10, FTRM11, FTRM12, FTRM14, and FTRM18. The boiler area excavation addressed the MCC exceedance observed in samples FTRM6 and FTRM7. Following the soil excavations, HRP on March 31, 1998, collected four (4) soil samples from the boiler location and eleven (11) soil samples from the western excavation. These post-excavation samples were analyzed for only those parameters detected above their respective MCC's during the previous sampling round (see Table 24). The excavation areas and post-excavation sample locations (soil sample F-EXC-#) are depicted on Figures 18B, 18C and 18D.

As indicated in Table 24, four of the eleven samples collected from the western excavation exceeded the MCC for at least one of the following constituents: antimony, benzene, cadmium, phenols, and TPH. In the area of the boiler area excavation, all four soil samples exceeded the MCC for arsenic.

In efforts to obtain clean closure in the Front Room, SPC excavated the boiler area and a portion of the western area to ground water (approximately 6 feet below grade). In the western area this additional excavation, as illustrated on Figures 18B, 18C and 18D, was performed in the area of post-excavation soil samples F-EXC-1, F-EXC-2, F-EXC-8, and F-EXC-9. This excavation also addressed the VOC and metal contamination detected in CRA soil sample SB-3. In the boiler room this additional excavation (see Figures 18B, 18C and 18D) was performed in the area of post-excavation soil samples F-EXC-12, F-EXC-13, F-EXC-14 and F-EXC-15.

Following the soil excavation activities, HRP on August 11, 1998, collected one soil sample from the boiler area excavation and seven (7)

soil samples from the western excavation. The excavation areas and final-excavation soil sample locations (soil sample FBL-1 or FW-#) are depicted on Figures 18B, 18C and 18D. The final excavation soil samples were analyzed for only those parameters (except TPH) detected above their respective MCC's during the previous sampling round (see Tables 25 and 26).

TPH was not analyzed for in the western portion of the Front Room for the following reason:

- The detected TPH levels in the post-excavation samples from the western portion of the Front Room increased significantly from the previous sampling round. This increase indicates that there may be a second source of TPH contamination in the area. One potential source in the area is a former indoor above-ground storage tank which held organic fluids for a scale that was located in the northwest corner of the Front Room.

As indicated in Tables 25 and 26, the only MCC exceedance was arsenic in the boiler area excavation. As noted, 11.3 mg/kg of arsenic was detected in FBL-1, the bottom sample of an interior excavation which went as deep as the groundwater table observed at that time. The sample depth was approximately 6-6.5' below grade (the top of the concrete slab). However, the 95% upper confidence limit calculated for the arsenic concentrations in soil remaining in place beneath the Front Room, included the 11.3 mg/kg detected in FBL-1, is 5.8 mg/kg. The 95% upper confidence limit is below the arsenic MCC (the Residential DEC for arsenic). Therefore, remediation of soil is considered complete. The excavations were backfilled by SPC with clean material (see Section 10.6). The calculation work sheet for the 95% upper confidence limit is included as Appendix BB.

6.2.5 Back Room

The concrete floor of the back (east) room of the facility building was excavated and disposed of at an off-site facility. Excavation and disposal of the concrete floor was performed under SPC's supervision. Following excavation of the concrete, HRP collected a total of 7 soil samples from the back room on September 16, 1997. Six of the soil

samples were collected from beneath floor cracks that were located within the limits of the containment dike for the two hazardous waste tanks in the room. The seventh sample was collected from beneath an expansion joint in the floor of the back room, outside of the dike area. The sample locations are depicted on Figure 19.

Tables 27 through 30 summarize the results of the first round of soil sampling from the back room at the facility. As can be seen from these tables, the only parameter that was detected in this area above its clean closure standards was TPH, which was detected at 5,408 ppm at location TKRM-3. To determine the depth of TPH contamination at this location, HRP collected a second sample from location TKRM-3 from a depth of 3.0' to 3.5' below grade on October 13, 1997. This sample was analyzed for all COC's associated with RCRA closure of the tanks. The results of analyses, which are presented in Table 31, resulted in the detection of the following parameters above their respective MCC's:

- antimony via SPLP
- TPH
- phenols
- benzene

Following receipt of the sample results for sample TKRM-3, 3.0'-3.5', SPC excavated soil from the back room area. The excavation area, which is depicted on Figure 19, extended to a depth of approximately 5.0' below grade, to the bottom of the footing for the adjacent indoor facility wall. HRP then collected 3 soil samples from the base of the excavation (see Figure 19) for analysis of antimony via SPLP, TPH, phenols, and benzene on March 31, 1998. As summarized in Table 32, each of these parameters was detected below its clean closure MCC's in all 3 samples. SPC has since backfilled the excavated with clean material (See Section 10.6) area and poured a new concrete floor.

6.3 Inhalation Exposure Pathway

Closure Plan - Volume I, Section 3.2 proposed evaluation for the potential inhalation exposure pathway based on the closure plan guidance that uses the test results of concrete chip samples. Since the concrete floors had been removed as part of Closure activities, the evaluation of the inhalation exposure pathway could not be made.

In lieu of using unavailable concrete chip sampling, SPC completed an initial screening of the indoor air quality in the Front Room of Building 375 in January 2002. Benzene was detected in one of the three air samples at a concentration of 53 $\mu g/m^3$. Benzene was not detected in the other two air samples at a detection limit of 50 $\mu g/m^3$.

In April 2002 Conestoga-Rovers & Associates (CRA) on behalf of Kraft collected three (3) additional indoor air samples near the previous sampling locations and seven (7) outdoor air samples to further evaluate the indoor air concentrations of benzene relative to the CTDEP Industrial/Commercial Target Indoor Air Concentration of 21.5 $\mu g/m^3$. Benzene was not detected in any of the three (3) indoor or seven (7) outdoor air samples collected. The analytical detection limit for the analyses was 15.95 $\mu g/m^3$, which is below the current CTDEP Industrial/Commercial Target Indoor Air Concentration for benzene. The CRA's indoor and outdoor air sampling locations and testing results are provided in Appendix Q.

The single detection of benzene in January 2002 may be the result of a non-permanent/transient source of benzene vapors (for example, machinery exhausts which could contain benzene, or stored materials or products that could potentially release benzene vapors) that may have been present inside the former manufacturing building at the time of sample collection. The benzene concentration detected in the indoor air sample collected by SPC Divestitures is well below the American Conference of Governmental Industrial Hygienists (ACGIH) time weighed average (TWA) standard, demonstrating that there is no

risk to workers within the building as a result of the detected benzene concentration.

6.4 Groundwater Quality

Collection of groundwater samples for the purposes of clean closure evaluation was not included in the scope of the Closure Plan - Volume I. However, groundwater sampling results obtained by Kraft are available in the report entitled *"Supplemental Hydrogeological Investigation Report, Synthetic Products Company, May, 1996, Conestoga-Rovers" (Kraft report).* Kraft's groundwater results are summarized in Table 36.

Since the Closure Plan did not include the calculation of MCCs for groundwater constituents, any evaluation will use as a default the numerical values of the applicable criteria in the CT Remediation Standard Regulations. However, direct comparison of the groundwater data to the RSRs is intended only as an evaluation of overall site groundwater quality and is not intended to confirm the closure of SPC's regulated RCRA units for the following reasons:

- Background, up-gradient concentrations for several metals are also elevated.
- No direct assessment can be made of the groundwater quality at the locations of the regulated units since none of the Kraft wells were installed at those locations.
- SPC has removed all potential source material from their regulated units that exceeded the GB Pollution Mobility Standard, with the exception of the lead-TCLP result detected during the Kraft investigation in the Front Room, which is addressed below.
- Benzene detected in groundwater has always been maintained as the responsibility of Kraft.
- Chlorinated VOCs detected in groundwater has been attributed to the up-gradient Raymark Superfund site, as documented in the Tetra Tech NUS, Inc. report to US EPA entitled "Draft Final Remedial Investigation, Raymark-OU2-Groundwater, Stratford Connecticut, November 2000".

6.4.1 Applicable RSR Groundwater Criteria

Groundwater remediation goals outlined in the CT RSRs are, in part, dependent upon the water quality classifications for the area in which the site is located. The subject site is located in an area with a "GB" classification. A GB ground water classification is defined as ground water that is within a historically highly urbanized area or an area of intense industrial activity and where public water supply service is typically available. Such ground water may not be suitable for human consumption without treatment due to waste discharges, spills or leaks of chemicals or land use impacts. Designated uses consist of industrial process and cooling waters and baseflow for hydraulically-connected surface water bodies. Groundwater beneath the subject site is compatible for all existing uses.

Therefore, only two standards are present in the CT RSR which apply to groundwater in a "GB" groundwater classification setting:

1. Surface Water Protection Criteria (SWPC) - intended to protect the existing use of a surface water body, wetland area, or intermittent stream to which a groundwater plume discharges.
2. Volatilization Criteria for Groundwater (VCGW) - intended to protect the occupants of existing or future buildings from the migration of VOCs from a groundwater plume to the interior of a given structure, or the interior of a possible future building.

6.4.2 Surface Water Protection Criteria

Groundwater data reported in the May 1995 Kraft report for the subject site indicated that there were exceedences of the surface water protection criteria (SWPC) for the following metal COCs: arsenic, cadmium, copper, lead and zinc. Alternative surface water protection criteria were calculated for each metal, per section 22a-133k-3(b)(3)(A) of the CT RSRs. The alternative SWPC calculated for the metals that were historically detected in Site groundwater is included as Appendix R of the Closure Plan. The site-specific alternative SWPCs are compared to the maximum concentrations of metals historically detected. The maximum detected concentrations are well below the calculated Site-specific ASWPC. Therefore, the groundwater impact detected beneath the Site does not likely pose an adverse impact to the surface water quality of the down-gradient Housatonic River.

6.4.3 Volatilization Criteria for Groundwater

Kraft's groundwater results indicate that benzene and vinyl chloride were detected in exceedence of the Residential Volatilization Criteria for Groundwater.

In addition to the available groundwater data summarized in Table 36, Kraft has compiled extensive soil gas monitoring results for BTEX compounds such as benzene beneath the Front Room area. An evaluation by Kraft entitled "Development of Site-Specific Groundwater and Soil Gas Criteria for the Protection of Indoor Air Quality, Synthetic Products Company Site" is incorporated into the Closure Plan as Appendix S. This evaluation includes a contaminant migration model based on the chemical properties and site-specific features to demonstrate that volatizing constituents

detected in soil gas and groundwater were below levels expected to represent an exposure pathway to site workers.

Regardless, benzene and other BTEX compounds detected in groundwater have been maintained as Krafts' responsibility since the transfer of the site. The presence of chlorinated organic contaminants such as vinyl chloride in groundwater is attributable to the up-gradient Raymark site.

7.0 DEPARTURES FROM WORK PLAN

The following departures from the "Closure Plan - Volume I."

1. Wipe sampling of the tanks after steam cleaning was omitted. Instead the tanks were steam cleaned until all visual traces of contamination were removed. Wipe sampling was omitted because the decision was made to recycle the tanks. Photographs of the tanks after steam cleaning are provided in Appendix T. Tank recycling documentation is provided in Appendix U.

2. The concrete floors in the Primary Container Storage Area, Secondary Container Storage Area and the entire interior of 375 Barnum Avenue Cut-off were removed and replaced. Therefore, chip sampling of the concrete was not performed since the decision was made to remove and dispose of the floors instead of closing them clean.

3. Potential inhalation exposure was evaluated with indoor air sampling conducted by SPC and Kraft's consultant CRA (see Section 6.3).

4. Evaluation of groundwater quality was not included in the scope of the Closure Plan (see Section 6.4).

8.0 PROPOSED CLOSURE APPROACH

The sample results obtained through the site characterization activities indicate that clean closure of the Primary Container Storage Area, Secondary Storage Area, former Drum Storage Area II, and Back Room (Hazardous Waste Storage Tanks) has been achieved.

For the Front Room, the only COC detected above the closure standard was arsenic via mass analysis (i.e., direct exposure MCC) in the boiler area. Since the soil was excavated to the ground water table, exceeded the MCC by only 1.3 mg/kg, and fill material was used in this area (see Section 6.2.4), it is believed that clean closure has been achieved in this area.

CLOSURE PLAN - VOLUME III

FORMER SYNTHETIC PRODUCTS COMPANY
375 BARNUM AVENUE CUT-OFF
STRATFORD, CONNECTICUT

CTD #000844365

HRP #SPC-0004.RC

9.0 FEDERAL AND STATE HAZARDOUS WASTE CLOSURE REQUIREMENTS

Both Federal and State Hazardous Waste Regulations require that regulated hazardous waste storage areas be closed by the owner or operator of the facility in a manner that:

- minimizes the need for further maintenance;
- controls, minimizes or eliminates, to the extent necessary to protect human health and the environment, post-closure escape of hazardous waste, hazardous waste constituents, leachate, contaminated run-off or hazardous waste decomposition products to the ground or surface water or to the atmosphere; and
- complies with the closure requirements of 40 CFR 265 Subpart G including, but t limited to, the requirements of Sections 265.197, 265.228, 265.258, 265.280, 265.310, 265.351, 265.381,265.404, and 264.1102.

Under the Draft RCRA Closure Plan Guidance issued by the CT DEP in November 1993, the CT DEP has recommended a 3-part process for reviewing and approving closure plans. This closure process was developed primarily to minimize the potential for harm to human health or the environment and facilitate the RCRA closure approval process in Connecticut. Description of this 3-part closure process is provided below.

Closure Plan Part	Description
Closure Plan Part 1 – Facility Information and Site Characterization Work Plan	The facility information part is to provide information on the environmental setting, description pf the hazardous waste storage areas, and Part A status. The site characterization part is to provide information on the constituents of concern (COC's), potential human exposure pathways for each COC and procedures for determining if any contamination is present and the extent of contamination.
Closure Plan Part 2 – Results of Site Characterization Program and Proposed Closure Approach	This part includes analytical results obtained from the site characterization sampling, closure criteria for each COC for each pathway, the COC's which exceeded the closure criteria, description and justification for departures from accepted work plan, and the proposed closure approach.
Closure Plan Part 3 – Remediation, Verification, QA/QC, Certification	This part includes a plan to remove or decontaminate wastes and/or waste residues, if required, closure schedule, closure cost estimate, and closure certification.

10.0 REMOVAL AND DISPOSAL OF WASTE, STRUCTURES, AND SOIL

As discussed in Closure Plan Volume II, clean closure of all five regulated areas is being pursued. The closure goal for regulated units was the performance standards of residential criteria. All of the Direct Exposure closure standards in Volume I of the Closure Plan were either adopted or calculated using the Residential Direct Exposure Criteria of the then-draft Remediation Standard Regulation.

In general, detection of each COC at or below its respective media closure criteria is required to achieve the goal of clean closure.

On August 25, 1997 through January 8, 1999, Earth Technologies, Inc. performed the tank cleaning, concrete and soil removal activities outlined below to achieve the goal of clean closure. The limits of the excavations were determined by ETI and SPC Divestitures' employees in the field, based upon drawings provided by HRP Associates,

Inc. A summary of closure derived wastes is provided in Table 33. The details of the excavation and off-site disposal activities are discussed in detail below.

10.1 Primary Container Storage Area

On August 4, 1998, Earth Technologies, Inc. personnel, under the supervision of SPC, removed the concrete base of the primary container storage area. The extent of concrete removal was the same as depicted by the concrete berm shown in Figure 15. HRP collected confirmatory sample after removal of the concrete base. One COC, arsenic was detected above its respective media closure criteria (MCC). ETI excavated the first two (2) feet of soil underlying the concrete base. HRP resampled for arsenic and continued to detect arsenic concentrations above the MCC. ETI continued to excavate a larger area (see Figure 15) until ground water was reached. HRP collected sidewall samples of the excavation to determine the lateral extent of excavation necessary. Photographs of the excavation activities are included in the photographic log in Appendix T.

The contaminated soil was reportedly disposed of at the Branford Landfill in Branford, Connecticut. Included in Appendix V are copies of the "Authorization Application for Disposal of Special Waste (Including Asbestos)" prepared by Earth Technology, Inc. and the CT-DEP approval letter dated March 3, 1999. Copies of the bills of lading and weight tickets for off-site shipments are included in Appendix W.

Following excavation of the concrete slab and soil from the primary container storage area, a soil vapor extraction system was reportedly installed through the center of the building by Kraft's contractor. Earth Technology, Inc. backfilled the excavation with structural backfill and a new concrete floor was installed in December 1998.

10.2 Secondary Container Storage Area

Earth Technology, Inc. removed the asphalt base of the Secondary Container Storage Area in August 1998 under the supervision of SPC. The asphalt and soil were stockpiled on-site for disposal off-site which reportedly

occurred during December 1998 and January 1999. All stockpiled materials (soil, asphalt and concrete) were staged on polyethylene sheeting to prevent exposure to precipitation. The asphalt excavation was delineated by the former chainlink fence surrounding the storage area. Figure 16 depicts the excavation area and confirmatory sampling locations. A photograph of the Secondary Container Storage Area after removal of the asphalt base is provided in Appendix T.

The excavated soil and asphalt were reportedly transported by Earth Technologies, Inc. to the Branford landfill (see Appendix V). Copies of the bills of lading and weight tickets for off-site shipments are included in Appendix W.

10.3 Former Drum Storage Area II

Although former drum storage Area II was removed during excavation of the leachfield in 1990, lateral soil samples were collected as shown in Figure 17 to ensure that the soils underlying the area meet media closure criteria. A small quantity of soil was excavated by Earth Technology, Inc. prior to sampling. The area of excavation is shown on Figure 17 and in the photographic log provided in Appendix T.

The soil was excavated by Earth Technology, Inc. under the supervision of SPC and staged on-site on polyethylene sheeting. The excavated soil was reportedly transported by Earth Technology, Inc. to the Branford landfill (see Appendix V). Copies of the bills of lading and weight tickets for off-site shipments are included in Appendix W.

10.4 Front Room and Back Room

On August 25, 1997, Earth Technology, Inc. began decontamination of the four (4) hazardous waste storage tanks located in the front and back rooms of the facility. The front room tanks consisted of the 3,000-gallon organic hazardous waste intermediate storage tank and the 300-gallon reaction water storage tank. Back room tanks consisted of the 5,000-gallon organic hazardous waste storage tank and the 5,000 gallon reaction water storage tank. Photographs of each tank with the exception of the 5,000-gallon reaction water tank are provided in Appendix T. Tank recycling documentation is provided in Appendix U. The

residual D005/D006 waste in each tank along with the steam cleaning rinseate was containerized in 55-gallon drums for off-site disposal. The tanks were visually inspected by HRP prior to recycling.

Earth Technology, Inc. removed the concrete floor in August 1998 in the entire building and stored the concrete outdoors on a polyethylene sheeting. The staged concrete was reportedly transported off-site to the Branford landfill (see Appendix V) by Earth Technology, Inc. Weight tickets are provided in Appendix W.

HRP collected subsurface soil samples at 6" to 17" below grade in the front room and back room as indicated on Figures 18A and 19, respectively. Based on these sample results, additional soil was excavated by Earth Technology, Inc. in the front room as depicted on Figures 18B, 18C and 18D and in the back room as depicted on Figure 19. Excavation activities including staging of soil on polyethylene sheeting was conducted under the supervision of SPC personnel. Excavated soil was reportedly transported off-site to the Branford landfill (see Appendix V). Weight tickets are provided in Appendix W.

10.5 Removal and Decontamination Procedures

Pursuant to 40 CFR Section 265.112(b)(4), the following outlines the steps taken to remove and decontaminate all hazardous waste residues and contaminated containment system components, equipment, structures and soils during closure activities.

To carry out the excavation activities outlined in this closure plan the following equipment was utilized: shovels, excavator, jack hammer, hammer & chisel, and roll-off dumpsters. Excavated soil and concrete were temporarily staged on the northeast corner of the facility. Plastic sheeting was used to underlay and cover the debris prior to loading it onto roll-off trucks for off-site disposal.

Prior to placing the excavation equipment back into service, the equipment was cleaned using brushes and brooms to remove any visible residue, which was included with the stockpiled waste concrete and/or soil. Sampling and analysis of

equipment after decontamination was not considered necessary. Rather, a visual examination verifying removal of all stains was sufficient to ensure that all contaminants were removed. All decontamination work was performed by qualified personnel that were trained regarding the hazards of the substances to which they may be exposed.

Confirmatory soil samples were collected from the excavations in 8 oz. jars either directly from the excavation sidewall or bottom or via a "excavator bucket" grab sample if entering the excavation violated confined space regulations. Therefore, no sampling equipment was used.

10.6 Backfill Material

The excavation contractor, Earth Technology, Inc. was contacted for information relating to the source of and/or analytical data for the material used to back fill the excavations. Since, Earth Technology, Inc. could not provide information pertaining to the location and history of the backfill material, and representative samples of the clean fill were not analyzed prior to placement, a post-remediation sampling program was completed to characterize the backfill.

Backfill material was used in the excavations at or near four of the regulated units: the Front Room, the Back Room, the Primary Container Storage Area, and the area adjacent to Drum Storage Area II. Based on the known excavation dimensions, a representative number of samples (listed below) from the fill material was collected by HRP on November 3, 2004.

Front Room – 386 cubic yards, 5 samples

Back Room – 33 cubic yards, 1 sample

Primary Container Storage Area – 143 cubic yards, 2 samples

Note that following soil remediation at the area adjacent to Drum Storage Area II, where 5 cubic yards of fill material had been placed, a large electrical transformer and associated underground lines were installed. Small diameter boreholes were drilled through existing concrete using a rotary-hammer power tool. A narrow diameter split-spoon sampling was manually driven into the subsurface to collect soil samples from approximately 0-4' beneath the floor slab

or pavement. All boreholes were patched with cement. Soil samples were submitted to a State certified laboratory for analysis for volatile organics (EPA Method 8260B), the 8 RCRA metals (arsenic, barium, cadmium, chromium (total), lead, mercury, selenium, silver) plus copper, nickel and zinc by mass analysis, and extractable total petroleum hydrocarbons (CT ETPH). Based on the metals mass analysis results, select metals were reanalyzed via Synthetic Precipitation Leaching Procedure (SPLP), which refuted any interpreted exceedences of the GB Pollution Mobility Criteria. Analytical data is summarized in Table 37. No exceendences of the MCC were detected in the samples of the soil collected from the areas where clean fill was deposited

11.0 QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES

All closure activities described in this document were performed by Earth Technologies, Inc. (Earth Technology, Inc.) and HRP Associates, Inc. The individuals involved with the closure activities are as follows:

Name	Company	Activity
Russell Blankenship	Earth Technologies, Inc.	Demolition, excavation, waste containerization
Michael Blessing	Earth Technologies, Inc.	Demolition, excavation, waste containerization
Manuel Esteves	Earth Technologies, Inc.	Demolition, excavation, waste containerization
William Johnson, III	Earth Technologies, Inc.	Demolition, excavation, waste containerization
Christopher Shepard	HRP Associates, Inc.	Contractor supervision, sampling, closure report writing
Michael Errickson	HRP Associates, Inc.	Sampling, closure report writing
Ronald Botelho	HRP Associates, Inc.	Sampling
Christopher Roy	HRP Associates, Inc.	Sampling
Jason Coite	HRP Associates, Inc.	Backfill sampling, closure report writing
David Adam	HRP Associates, Inc.	Backfill sampling
Mark Possidento, P.E.	HRP Associates, Inc.	Off-site closure coordination, reviewer/author of closure reports
Richard D. McFee, P.E.	HRP Associates, Inc.	Reviewer/author of closure reports
James Kalanta	SPC Divestures, Inc.	On-Site Closure Coordination
Frank McKane	SPC Divestures, Inc.	On-Site Closure Coordination
Louis Mahmoud	SPC Divestures, Inc.	On-Site Closure Coordination

Mr. Possidento of HRP Associates, Inc. was the QA/QC Coordinator and Christopher Shepard was the QA/QC Engineer and Inspector for the soil excavation activities. Mr. Possidento's and Mr. Shepard's resumes are provided in Appendix X.

For sampling and analytical QA/QC of soil samples, an equipment blank sample was utilized. The equipment blank sample consisted of distilled water which was transported to the site, opened in the field, poured over the sampling device (e.g. hand auger), collected in appropriate sample containers and submitted to the laboratory for analysis of the COC's. The equipment blank sample was identified as "MW-A" on the

chain of custody that accompanied sample submission. The results of the analyses of MW-A did not result in the detection of any COC's (see Appendix P).

To control and track the individual who handed the collected samples, a chain of custody accompanied all samples submitted to the laboratory for analysis. These completed chains of custody, copies of which are provided with the laboratory reports in Appendix P, include the following information:

- Name of facility;
- Address of facility;
- Sampler's signature;
- Signature of the person that relinquished the sample;
- Signature of the person that received the sample;
- Date and time samples were collected and delivered to the laboratory;
- Name of laboratory;
- HRP job number;
- Sample number, sample location, container type, preservation, sample type and remarks;
- Parameters each sample was to be analyzed for; and
- Remarks.

All samples, as indicated in the laboratory reports, were analyzed using the methods and QA/QC procedures recommended under Test Methods for the Evaluation of Solid Waste, SW-846.

12.0 ADEQUACY OF SAMPLING PLAN

Appendix Y contains statistical calculations which demonstrate that the goal of clean closure has been achieved for the Primary Container Storage Area (with the exception of arsenic - see Section 6.2.1), Secondary Container Storage Area, 3,000 gallon intermediate organic hazardous waste storage tank and 300 gallon reaction water storage tank (front room, including trenches), 5,000 gallon reaction water storage tank and 5,000 gallon organic waste tank (back room), and Former Drum Storage Area II. The statistical calculations were completed in accordance with the procedures described in Chapter 9 of Test Methods for the Evaluation of Solid Waste, SW-846. It should be noted that HRP utilized the built-in statistical functions contained in Microsoft Excel, Version 97 for completion of the statistical calculations. All distribution critical values were also obtained from Excel's built-in statistical functions, and were verified by referencing Table E of the text book entitled Introduction to the Practice of Statistics, by Moore and McCabe (copyright 1989 by W.H. Freeman and Company). As stipulated in the Draft RCRA Closure Guidance, the statistical calculations were completed at a 95% confidence level.

As discussed in Closure Plan Volume II, it has been established that benzene is present in subsoils underlying the facility as a result of former manufacturing operations and leach field. Kraft, Inc. has accepted responsibility for the benzene contamination and has installed a soil vapor extraction system at the facility. Arsenic was present at significant "background" levels in the subsoils underlying the front room, back room, and primary container storage area. Sitewide elevated concentrations of arsenic were confirmed by Conestoga-Rovers Associates (CRA) report dated October 1996. The source of arsenic is likely historical fill material brought on site. Statistical comparison of the sample results to the numeric MCC's for these two COC's is therefore not applicable.

13.0 CLOSURE SCHEDULE

In accordance with the methods and activities described in this closure plan, HRP Associates, Inc. and SPC Divestitures, Inc. believe that the goal of clean closure has been achieved for the Primary Container Storage Area, Secondary Storage Area, former Drum Storage Area II, Front Room (Hazardous Waste Storage Tanks) and Back Room (Hazardous Waste Storage Tanks) for each potential human exposure pathway. A chronological summary of all closure-related activities is provided in Table 34. Appendix T contains a photographic log of the closure-related activities. Upon review and final approval by the CT DEP, HRP will subsequently provide a Connecticut Licensed Professional Engineer certification of the closure plan. Additionally, a certification statement, which is Section 15.0 of this closure plan, will be submitted to the CT DEP within 60 days of the Agency's approval of this plan.

14.0 FINANCIAL ASSURANCE/CLOSURE COST ESTIMATES

The removal of contaminated concrete, asphalt, and soil has achieved the goal of clean closure in the Primary Container Storage Area, Secondary Container Storage Area, former Drum Storage Area II, Front Room (Hazardous Waste Storage Tanks), and Back Room (Hazardous Waste Storage Tanks). However, the financial assurance requirements of the regulations are applicable until review and acceptance by the CTDEP of the facility's Closure Certification Report.

SPC uses a Trust Fund to meet the financial assurance requirements. A copy of the November 10, 1989 Trust Fund which had a value of $108,903 is provided as Appendix Z. The U.S. Bank Corporation Trust Services currently provides the closure care. The value of the financial assurance as of August 16, 2006 was $176,486.11.

Achievement of clean closure means that SPC Divestitures, Inc. will not be subject to the requirements of 40 CFR 265.145 (Financial Assurance for Post-Closure Care), because the facility is not subject to post-closure care.

15.0 CERTIFICATION OF CLOSURE

Certification by a Licensed Professional Engineer is required at the completion of closure. HRP Associates, Inc. was retained by SPC Divestitures, Inc. to assure that the closure plan was executed in accordance with Draft CT DEP RCRA Closure Guidance Document (November 1993). HRP personnel developed the closure plan, and performed all physical and chemical characterization activities associated with the Primary Container Storage Area, Secondary Container Storage Area, former Drum Storage Area II, 300 and 3,000 gallon Hazardous Waste Storage Tanks in the Front Room, and the two (2) 5,000 gallon Hazardous Waste Storage Tanks in the Back Room. HRP personnel also provided SPC Divestitures, Inc. with drawings depicting the limits of concrete, asphalt, and soil excavation required to achieve the goal of clean closure. Earth Technologies, Inc. performed the remediation under the direction of SPC Divestitures, Inc.

Certification of the excavation/removal activities is based upon the information reported and/or documented by SPC Divestitures, Inc. and Earth Technology, Inc.. This documentation includes photographs (see Appendix T), Soil Disposal Authorization (see Appendix V), Bills of Lading and Weight Tickets (see Appendix W), and Earth Technology, Inc.'s and SPC's Closure Activity Summaries (see Appendix AA).

The following certification is submitted to the Connecticut Department of Environmental Protection in accordance with the aforementioned requirements.

"I, James J. Kalanta, for the Former Synthetic Products Company, Inc., a hazardous waste treatment, storage, and disposal facility (TSDF), and I, Richard D. McFee, P.E., employed by HRP Associates, Inc., certify by means of signatures that the Primary Container Storage Area, Secondary Container Storage Area, former Drum Storage Area II, 300 gallon Reaction Water Storage Tank, 3,000 gallon Intermediate Organic Hazardous Waste Storage Tank, 5,000 gallon Organic Hazardous Waste Storage Tank, and 5,000 gallon Hazardous Waste Reaction Water Storage Tank at 375 Barnum Avenue Cut-off in Stratford, Connecticut, have been closed in accordance with the method and all procedures specified by the Closure Plan and attached hereto. Closure was completed on January 8, 1999."

SPC Divestitures, Inc.	HRP Associates, Inc.
Company Name	Engineering Company Name
	_____, P.E.
Name (Signature)	Engineer (Signature)
James J. Kalanta	Richard D. McFee, P.E.
Name (typed)	Engineer (typed)
	Associate Vice President
Title	Title
Date	Date

TABLE 10
RESULTS OF SAMPLE ANALYSES FOR METALS VIA MASS ANALYSIS
OUTDOOR PRIMARY CONTAINER STORAGE AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard - Direct Exposure[1] (mg/kg)	SAMPLE RESULTS (mg/kg)					
		OUT-SUB-1 10/14/97	OUT-SUB-2 10/14/97	OUT-LAT-1 10/15/97	OUT-LAT-2 10/15/97	OUT-LAT-3 10/15/97	OUT-LAT-4 10/15/97
Antimony	27	ND <10.0	ND <10.0	**43.0**	ND <10.0	ND <10.0	ND <10.0
Arsenic	10	2.9	3.0	**10.5**	**10.3**	7.6	7.3
Barium	4,700	17.0	24.2	470	165	64.8	74.3
Beryllium	2	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004
Cadmium	34	10.5	12.1	**100**	25.1	ND <0.5	1.1
Chromium, Total	3,900	3.6	4.5	12.5	10.3	9.7	8.9
Cobalt	4,064[2]	2.5	3.8	4.3	4.3	5.9	5.5
Copper	2,500	8.1	9.3	104	1,440	107	89.6
Cyanide, Amen.	1,400	ND <1	ND <1	ND <1	ND <1	ND <1	ND <1
Cyanide, Total	1,400	ND <1	ND <1	ND <1	ND <1	ND <1	ND <1
Lead	500	3.0	3.4	220	164	130	138
Mercury	20	0.05	0.04	3.64	6.06	0.19	0.17
Nickel	1,400	6.6	8.2	24.4	15.1	14.7	14.2
Silver	340	ND <0.2	ND <0.2	ND <0.2	ND <0.2	ND <0.2	ND <0.2
Tin	40,645[2]	ND <20	ND <20	90	ND <20	ND <20	ND <20
Vanadium	470	11.4	13.8	28.8	26.8	35.4	38.1
Zinc	20,000	41.5	64.9	4,210	2,590	394	560

[1]Direct Exposure Criteria for Residential Areas, CT-DEP Remediation Standard Regulations (RSR)
[2]Calculated standard
Results in bold shaded cells exceed closure standard.
ND = Not Detected

TABLE 11
RESULTS OF SAMPLE ANALYSES FOR METALS VIA SPLP
OUTDOOR PRIMARY CONTAINER STORAGE AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard Pollutant Mobility[1] (mg/l)	SAMPLE RESULTS (mg/l)					
		OUT-SUB-1 10/14/97	OUT-SUB-2 10/14/97	OUT-LAT-1 10/15/97	OUT-LAT-2 10/15/97	OUT-LAT-3 10/15/97	OUT-LAT-3 10/15/97
Antimony	0.06	0.041	0.049	**0.062**	0.009	0.022	ND<0.006
Arsenic	0.5	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05
Barium	10.0	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5
Beryllium	0.04	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004
Cadmium	0.05	ND <0.005	ND <0.005	0.014	ND <0.005	ND <0.005	ND <0.005
Chromium, Total	0.5	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05
Cobalt	4.2[2]	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1
Copper	13	ND <0.01	ND <0.01	0.02	0.02	0.02	0.01
Cyanide, Total	2	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05
Lead	0.15	0.006	ND<0.005	0.031	0.028	0.019	0.027
Mercury	0.02	ND <0.02	ND <0.02	ND <0.02	ND <0.02	ND <0.02	ND <0.02
Nickel	1.0	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05
Silver	0.36	ND <0.01	ND <0.01	ND <0.01	ND <0.01	ND <0.01	ND <0.01
Tin	42.0[2]	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5
Vanadium	0.50	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1
Zinc	50	ND <0.05	ND <0.05	0.42	0.26	0.34	0.08

[1]Pollutant Mobility Criteria for GB Areas, CT-DEP Remediation Standard Regulations (RSR)
[2]Calculated standard
Results in bold shaded cells exceed closure standard.
ND = Not Detected

TABLE 12

RESULTS OF SAMPLE ANALYSES FOR VOLATILES AND SEMI-VOLATILES
OUTDOOR PRIMARY CONTAINER STORAGE AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard Direct Exposure[1] (ppb)	Closure Standard Pollutant Mobility[2] (ppb)	SAMPLE RESULTS (ppb)					
			OUT-SUB-1 10/14/97	OUT-SUB-2 10/14/97	OUT-LAT-1 10/15/97	OUT-LAT-2 10/15/97	OUT-LAT-3 10/15/97	OUT-LAT-4 10/15/97
Bis(2-Ethylhexyl) Phthalate	44,000	11,000	BDL <20	BDL <20	65.0	36.0	BDL <20	BDL <20
Di-N-Butyl Phthalate	1,000,000	140,000	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20
Di-N-Octyl Phthalate	1,000,000	20,000	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20
Dimethyl Phthalate	677,420,000[3]	14,000,000[3]	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20
Volatile Organics via 8240	---	—	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20
Phenol	1,000 ppm	800 ppm	64 ppm	48 ppm	408 ppm	**980 ppm**	72 ppm	28 ppm
Oil and Grease (TPH)	500 ppm	2,500 ppm	ND <5 ppm	ND <5 ppm	ND <5 ppm	11 ppm	ND <5 ppm	ND <5 ppm

[1]Direct Exposure Criteria for Residential Areas, CT-DEP RSR
[2]Pollutant Mobility Criteria for GB Areas, CT-DEP RSR
[3]Calculated Standard
Results in bold shaded cells exceed pollutant mobility closure standard.
BDL = Below Detection Limit

TABLE 13

RESULTS OF CONFIRMATORY SOIL SAMPLES -
PRIMARY CONTAINER STORAGE AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameter	Closure Standard	Sample Results											
		PRIM-CSA #1 3/27/98 2nd Round	PRIM-CSA #2 3/27/98 2nd Round	PRIM-CSA #3 3/27/98 2nd Round	PRIM-CSA #4 3/27/98 2nd round	SIDE1 12/17/98 3rd Round	SIDE2 12/17/99 3rd Round	SIDE3 12/17/99 3rd Round	SIDE4 12/17/99 3rd Round	SIDE5 12/17/99 3rd Round	SIDE6 12/17/99 3rd Round	SIDE1 1/7/99 4th Round	SIDE2 1/7/99 4th Round
Arsenic via SPLP	0.5 mg/l	ND<0.05 mg/l	ND<0.05 mg/l	ND<0.05 mg/l	ND<0.05 mg/l								
Cadmium via SPLP	0.05 mg/l	ND<0.005 mg/l	ND<0.005 mg/l	ND<0.005 mg/l	ND<0.005 mg/l								
Antimony via SPLP	0.06 mg/l	ND<0.006 mg/l	ND<0.006 mg/l	ND<0.006 mg/l	ND<0.006 mg/l								
Arsenic via Mass Analysis	10 mg/kg	**20.8 mg/kg**	4.2 mg/kg	**16.6 mg/kg**	**46.2 mg/kg**	7.5	5.9	6.8	ND < 2.0	**44**	6.5	3.3	8.0
Cadmium via Mass Analysis	34 mg/kg	ND<0.5 mg/kg	ND<0.5 mg/kg	ND<0.5 mg/kg	0.7 mg/kg								
Antimony via Mass Analysis	27 mg/kg	ND<10 mg/kg	ND<10 mg/kg	ND<10 mg/kg	ND<10 mg/kg								
Phenol	800 ppm	ND<2 ppm	ND<2 ppm	ND<2 ppm	ND<2 ppm								

Results in **bold and shaded** cells exceed closure standards.
ND = Not Detected

TABLE 14

RESULTS OF SAMPLE ANALYSES FOR METALS VIA MASS ANALYSIS

SECONDARY CONTAINER STORAGE AREA

Former Synthetic Products Company

375 Barnum Avenue Cut-Off

Stratford, Connecticut

Parameters	Closure Standard - Direct Exposure[1] (mg/kg)	SAMPLE RESULTS (mg/kg)				
		SEC-SUB-1 10/15/97	SEC-SUB-2 10/15/97	SEC-SUB-3 10/15/97	SEC-SUB-4 10/15/97	SEC-SUB-5 10/15/97
Antimony	27	ND <10.0	ND <10.0	ND <10.0	ND <10.0	ND <10.0
Arsenic	10	3.9	7.1	3.7	4.1	3.7
Barium	4,700	40.8	61.6	50.7	47.8	56.3
Beryllium	2	ND<0.4	ND<0.4	0.4	ND<0.4	0.4
Cadmium	34	8.9	0.8	6.7	ND<0.5	28.7
Chromium, Total	3,900	4.7	6.2	6.1	5.3	17.0
Cobalt	4,064[2]	3.6	5.4	5.5	4.1	7.2
Copper	2,500	44.5	66.2	32.3	15.9	23.7
Cyanide, Amen.	1,400	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0
Cyanide, Total	1,400	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0
Lead	500	58.9	114	35.1	14.4	22.9
Mercury	20	0.05	0.12	0.04	0.03	0.04
Nickel	1,400	8.8	11.6	9.0	8.5	13.3
Silver	340	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2
Tin	40,645[2]	ND <20	ND <20	ND <20	ND <20	ND <20
Vanadium	470	19.2	26.7	23.3	25.2	28.5
Zinc	20,000	109	225	107	38.6	195

[1]Direct Exposure Criteria for Residential Areas, CT-DEP Remediation Standard Regulations (RSR)

[2]Calculated standard

ND = Not Detected

TABLE 15
RESULTS OF SAMPLE ANALYSES FOR METALS VIA SPLP
SECONDARY CONTAINER STORAGE AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard - Pollutant Mobility Exposure[1] (mg/l)	SAMPLE RESULTS (mg/l)				
		SEC-SUB-1 10/15/97	SEC-SUB-2 10/15/97	SEC-SUB-3 10/15/97	SEC-SUB-4 10/15/97	SEC-SUB-5 10/15/97
Antimony	0.06	0.012	0.016	0.023	0.015	0.038
Arsenic	0.5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Barium	10.0	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5
Beryllium	0.04	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004
Cadmium	0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.018
Chromium, Total	0.5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Cobalt	4.2[2]	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1
Copper	13	ND<0.01	0.01	ND<0.01	ND<0.01	ND<0.01
Cyanide, Total	2	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Lead	0.15	0.027	0.011	0.018	0.007	ND <0.005
Mercury	0.02	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002
Nickel	1.0	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Silver	0.36	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01
Tin	42.0[2]	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5
Vanadium	0.50	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1
Zinc	50	0.08	ND<0.05	ND<0.05	ND<0.05	0.07

[1]Pollutant Mobility Criteria for GB Areas, CT-DEP Remediation Standard Regulations (RSR)
[2]Calculated standard
ND = Not Detected

TABLE 16

RESULTS OF SAMPLE ANALYSES FOR VOLATILES AND SEMI-VOLATILES
SECONDARY CONTAINER STORAGE AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard Direct Exposure[1] (ppb)	Closure Standard Pollutant Mobility[2] (ppb)	SAMPLE RESULTS (ppb)				
			SEC-SUB-1 10/15/97	SEC-SUB-2 10/15/97	SEC-SUB-3 10/15/97	SEC-SUB-4 10/15/97	SEC-SUB-5 10/15/97
Bis(2-Ethylhexyl) Phthalate)	44,000	11,000	34.0	43.0	49.0	BDL <20	BDL <20
Di-N-Butyl Phthalate	1,000,000	140,000	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20
Di-N-Octyl Phthalate	1,000,000	20,000	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20
Dimethyl Phthalate	677,420,000[3]	14,000,000[3]	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20
All Volatile Organics via 8240	---	---	BDL	BDL	BDL	BDL	BDL
Phenol, ppm	1,000 ppm	800 ppm	ND <5 ppm	ND <5 ppm	ND <5 ppm	ND <5 ppm	ND <5 ppm
Oil and Grease (TPH), ppm	500 ppm	2,500 ppm	80 ppm	104 ppm	300 ppm	140 ppm	360 ppm

[1]Direct Exposure Criteria for Residential Areas, CT-DEP RSR
[2]Pollutant Mobility Criteria for GB Areas, CT-DEP RSR
[3]Calculated Standard
BDL = Below Detection Limit
ppb = parts per billion
ppm = parts per million

TABLE 17
RESULTS OF SAMPLE ANALYSES FOR METALS VIA SPLP
FORMER DRUM STORAGE AREA II

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard - Pollutant Mobility[1] (mg/l)	SAMPLE RESULTS (mg/l)	
		AREA II LAT-1 10/15/97	AREA II LAT-2 10/15/97
Antimony	0.06	0.033	**0.087**
Arsenic	0.5	ND <0.05	ND <0.05
Barium	10.0	ND <0.5	ND <0.5
Beryllium	0.04	ND <0.004	ND <0.004
Cadmium	0.05	ND <0.005	0.011
Chromium, Total	0.5	ND <0.05	ND <0.05
Cobalt	4.2[2]	ND <0.1	ND <0.1
Copper	13	ND <0.01	ND <0.01
Cyanide, Total	2	ND <0.05	ND <0.05
Lead	0.15	0.009	0.008
Mercury	0.02	ND <0.002	ND <0.002
Nickel	1.0	ND <0.05	ND <0.05
Silver	0.36	ND<0.01	ND<0.01
Tin	42.0[2]	ND <0.5	ND <0.5
Vanadium	0.50	ND <0.1	ND <0.1
Zinc	50	0.08	ND <0.05

[1]Pollutant Mobility Criteria for GB Areas, CT-DEP Remediation Standard Regulations (RSR)
[2]Calculated standard
Results in bold shaded cell **exceeds standard.**
ND = Not Detected

TABLE 18
RESULTS OF SAMPLE ANALYSES FOR METALS VIA MASS ANALYSIS
FORMER DRUM STORAGE AREA II

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard - Direct Exposure[1] (mg/kg)	SAMPLE RESULTS (mg/kg)	
		AREA II LAT-1 10/15/97	AREA II LAT-2 10/15/97
Antimony	27	ND <10.0	12.0
Arsenic	10	2.8	2.4
Barium	4,700	80.3	184
Beryllium	2	ND <0.4	ND <0.4
Cadmium	34	16.1	27.6
Chromium, Total	3,900	7.1	13.0
Cobalt	4,064[2]	5.9	5.8
Copper	2,500	28.1	42.4
Cyanide, Amen.	1,400	ND <1.0	ND <1.0
Cyanide, Total	1,400	ND <1.0	ND <1.0
Lead	500	24.3	28.8
Mercury	20	0.02	0.09
Nickel	1,400	12.4	13.0
Silver	340	ND<0.2	ND<0.2
Tin	40,645[2]	ND <20	ND <20
Vanadium	470	19.0	15.5
Zinc	20,000	333	134

[1]Direct Exposure Criteria for Residential Areas, CT-DEP Remediation Standard Regulations (RSR)
[2]Calculated standard
ND = Not Detected

TABLE 19

RESULTS OF SAMPLE ANALYSES FOR VOLATILES AND SEMI-VOLATILES
FORMER DRUM STORAGE AREA II

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard Direct Exposure[1] (ppb)	Closure Standard Pollutant Mobility[2] (ppb)	SAMPLE RESULTS (ppb)	
			AREA II LAT-1 10/15/97	AREA II LAT-2 10/15/97
Bis(2-Ethylhexyl)Phthalate	44,000	11,000	BDL <20	42.0
Di-N-Butyl Phthalate	1,000,000	140,000	BDL <20	BDL <20
Di-N-Octyl Phthalate	1,000,000	20,000	BDL <20	BDL <20
Dimethyl Phthalate	677,420,000[3]	14,000,000[3]	BDL <20	BDL <20
All Volatile Organics via 8240	---	---	BDL	BDL
Phenol, ppm	1,000 ppm	800 ppm	ND <5 ppm	ND <5 ppm
Oil and Grease (TPH), ppm	500 ppm	2,500 ppm	428 ppm	348 ppm

[1]Direct Exposure Criteria for Residential Areas, CT-DEP RSR
[2]Pollutant Mobility Criteria for GB Areas, CT-DEP RSR
[3]Calculated Standard
BDL = Below Detectable Limit
ppb = parts per billion
ppm = parts per million

TABLE 20
RESULTS OF SAMPLE ANALYSES FOR METALS VIA MASS ANALYSIS
FRONT ROOM AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard - Direct Exposure[1] (mg/kg)	SAMPLE RESULTS (mg/kg)								
		FTRM 1 10/10/97	FTRM 2 10/10/97	FTRM 3 10/10/97	FTRM 4 10/10/97	FTRM 5 10/10/97	FTRM 6 10/10/97	FTRM 7 10/10/97	FTRM 8 10/10/97	FTRM 9 10/10/97
Antimony	27	ND <10	14	ND <10	ND <10	ND <10	17	ND <10	ND <10	ND <10
Arsenic	10	4.4	**14.5**	6.5	3.2	2.7	**15.9**	**13.8**	6.9	5.4
Barium	4,700	21.2	282	25.8	16.6	17.9	48.8	44.8	32.0	60.2
Cadmium	34	ND <0.5	**57.6**	ND <0.5	ND <0.5	ND <0.5	24.1	1.1	ND <0.5	ND <0.5
Chromium, Total	3,900	8.1	10.8	9.2	6.5	5.5	14.7	19.5	12.4	31.7
Cobalt	4,064[2]	ND <0.2	ND <0.2	ND <0.2	ND <0.2	ND <0.2	6.0	10	7.0	9.0
Copper	2,500	6.5	74.7	9.8	7.9	9.4	22.9	20.4	9.6	51.5
Lead	500	7.2	130	12.6	5.9	4.5	6.7	6.1	9.3	66.2
Mercury	20	0.03	0.53	0.03	0.08	0.04	0.07	0.10	0.27	12.8
Nickel	1,400	7.5	9.7	9.4	7.2	7.4	19.2	23.6	10.0	27.4
Silver	340	ND <0.2	ND <0.2	ND <0.2	ND <0.2	ND <0.2	ND <0.2	ND <0.2	ND <0.2	ND <0.2
Tin	40,645[2]	ND <20	80	ND <20	ND <20	ND <20	110	ND <20	ND <20	210
Vanadium	470	19.4	17.3	21.3	13.5	12.2	22.9	26.5	17.6	31.7
Zinc	20,000	23.7	238	44.7	28.0	68.3	48.2	50.7	38.8	1135

[1]Direct Exposure Criteria for Residential Areas, CT-DEP Remediation Standard Regulations (RSR)
[2]Calculated standard
Results in bold shaded cells exceed closure standard.
ND = Not Detected

TABLE 20 (continued)
RESULTS OF SAMPLE ANALYSES FOR METALS VIA MASS ANALYSIS
FRONT ROOM AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard - Direct Exposure[1] (mg/kg)	SAMPLE RESULTS (mg/kg)								
		FTRM 10 10/10/97	FTRM 11 10/10/97	FTRM 12 10/10/97	FTRM 13 10/10/97	FTRM 14 10/10/97	FTRM 15 10/10/97	FTRM 16 10/10/97	FTRM 17 10/10/97	FTRM 18 10/10/97
Antimony	27	ND <10	ND <10	ND <10	ND <10	10	ND <10	ND <10	ND <10	ND <10
Arsenic	10	**10.6**	**23.7**	4.6	4.7	4.6	6.3	3.2	4.4	7.9
Barium	4,700	255	80.0	37.1	32.9	265	24.9	17.6	23.1	53.8
Cadmium	34	ND <0.5	ND <0.5	1.1	0.8	**116**	ND <0.5	ND <0.5	ND <0.5	3.3
Chromium, Total	3,900	13.4	13.6	10.8	13.5	15.2	10.4	8.3	11.3	31.7
Cobalt	4,064[2]	7.0	10	5.0	8.0	5.0	5.0	4.0	4.0	11
Copper	2,500	23.3	37.4	20.5	26.3	14.1	8.2	11.7	7.4	**6,380**
Lead	500	45.2	15.2	33.7	31.0	8.1	11.7	4.3	5.5	**785**
Mercury	20	0.08	0.04	0.13	0.15	0.37	ND <0.02	0.02	0.04	0.13
Nickel	1,400	10.9	14.8	6.9	7.6	11.1	8.7	8.0	7.9	139
Silver	340	ND <0.2	ND <0.2	ND <0.2	ND <0.2	ND <0.2	ND <0.2	ND <0.2	ND <0.2	ND <0.2
Tin	40,645[2]	80	ND <20	ND <20	ND <20	90	ND <20	ND <20	ND <20	300
Vanadium	470	21.7	21.8	14.0	16.8	18.4	20.0	13.0	20.9	6.9
Zinc	20,000	116	57.5	109	106	490	35.2	79.6	204	2,230

[1]Direct Exposure Criteria for Residential Areas, CT-DEP Remediation Standard Regulations (RSR)
[2]Calculated standard
Results in bold shaded cells exceed closure standard.
ND = Not Detected

TABLE 20 (continued)
RESULTS OF SAMPLE ANALYSES FOR METALS VIA MASS ANALYSIS
FRONT ROOM AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard - Direct Exposure[1] (mg/kg)	SAMPLE RESULTS (mg/kg)								
		FBL-1 8/11/98	FW-1 8/11/98	FW-2 8/11/98	FW-3 8/11/98	FW-4 8/11/98	FW-5 8/11/98	FW-6 8/11/98	FW-7 8/11/98	FW-8 8/11/98
Arsenic	10	**11.3**	---	---	---	---	---	---	---	---
Cadmium	34	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.9

[1]Direct Exposure Criteria for Residential Areas, CT-DEP Remediation Standard Regulations (RSR)
[2]Calculated standard
Results in bold shaded cells exceed closure standard.

TABLE 21
RESULTS OF SAMPLE ANALYSES FOR METALS VIA SPLP
FRONT ROOM AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard - Pollutant Mobility[1] (mg/1)	SAMPLE RESULTS (mg/1)								
		FTRM 1 10/10/97	FTRM 2 10/10/97	FTRM 3 10/10/97	FTRM 4 10/10/97	FTRM 5 10/10/97	FTRM 6 10/10/97	FTRM 7 10/10/97	FTRM 8 10/10/97	FTRM 9 10/10/97
Antimony	0.06	ND<0.006	**0.140**	ND<0.006	ND<0.006	ND<0.006	**0.540**	ND<0.006	ND<0.006	ND<0.006
Arsenic	0.5	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05
Barium	10.0	ND <0.5	ND <0.5	0.6	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5
Cadmium	0.05	ND <0.005	ND <0.005	ND <0.005	ND <0.005	ND <0.005	0.007	ND <0.005	ND <0.005	ND <0.005
Chromium, Total	0.5	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05
Cobalt	4.2[2]	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1
Copper	13	ND <0.01	0.02	0.01	0.02	0.01	0.04	ND <0.01	0.01	0.01
Lead	0.15	ND<0.005	0.067	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.005
Mercury	0.02	ND <0.02	ND <0.02	ND <0.02	ND <0.02	ND <0.02	ND <0.02	ND <0.02	ND <0.02	ND <0.02
Nickel	1.0	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05	ND <0.05
Silver	0.36	ND <0.01	ND <0.01	ND <0.01	ND <0.01	ND <0.01	ND <0.01	ND <0.01	ND <0.01	ND <0.01
Tin	4.2[2]	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5
Vanadium	0.50	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1
Zinc	50	0.06	ND <0.05	0.23	0.11	0.13	0.05	ND <0.05	ND <0.05	0.11

[1]Pollutant Mobility Criteria for GB Areas, CT DEP CT-DEP Remediation Standard Regulations (RSR)
[2]Calculated standard
Results in bold shaded cells exceed closure standard.
ND = Not Detected

TABLE 21 (continued)
RESULTS OF SAMPLE ANALYSES FOR METALS VIA SPLP
FRONT ROOM AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard - Pollutant Mobility[1] (mg/1)	SAMPLE RESULTS (mg/1)								
		FTRM 10 10/10/97	FTRM 11 10/10/97	FTRM 12 10/10/97	FTRM 13 10/10/97	FTRM 14 10/10/97	FTRM 16 10/10/97	FTRM 16 10/10/97	FTRM 17 10/10/97	FTRM 18 10/10/97
Antimony	0.06	0.055	ND<0.006	0.011	ND<0.006	**0.380**	ND<0.006	ND<0.006	ND<0.006	0.017
Arsenic	0.5	ND <0.05	0.13	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Barium	10.0	0.7	ND <0.5	0.7	1.3	ND <0.5	ND <0.5	ND <0.5	0.9	ND <0.5
Cadmium	0.05	0.021	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
Chromium, Total	0.5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Cobalt	4.2[2]	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1
Copper	13	0.03	0.02	0.07	0.08	ND <0.01	0.01	0.02	0.02	0.41
Lead	0.15	ND <0.005	ND<0.005	0.056	0.072	0.010	ND<0.005	ND<0.005	ND<0.005	**0.264**
Mercury	0.02	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002
Nickel	1.0	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Silver	0.36	ND <0.01	ND <0.01	ND <0.01	ND <0.01	ND <0.01	ND <0.01	ND <0.01	ND <0.01	ND <0.01
Tin	42.0[2]	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Vanadium	0.50	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1	ND <0.1
Zinc	50	0.18	ND <0.05	0.08	0.11	ND <0.05	0.17	0.07	0.38	0.23

[1]Pollutant Mobility Criteria for GB Areas, CT DEP CT-DEP Remediation Standard Regulations (RSR)
[2]Calculated standard
Results in bold shaded cells exceed closure standard.
ND = Not Detected

TABLE 21 (continued)
RESULTS OF SAMPLE ANALYSES FOR METALS VIA SPLP
FRONT ROOM AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard - Pollutant Mobility[1] (mg/1)	SAMPLE RESULTS (mg/1)							
		FW-1 8/11/98	FW-2 8/11/98	FW-3 8/11/98	FW-4 8/11/98	FW-5 8/11/98	FW-6 8/11/98	FW-7 8/11/98	FW-8 8/11/98
Antimony	0.06	ND<0.006	ND<0.006	ND<0.006	ND<0.006	ND<0.006	ND<0.006	ND<0.006	0.011

[1]Pollutant Mobility Criteria for GB Areas, CT DEP CT-DEP Remediation Standard Regulations (RSR)
[2]Calculated standard
Results in bold shaded cells exceed closure standard.
ND = Not Detected

TABLE 22

RESULTS OF SAMPLE ANALYSES FOR VOLATILES
FRONT ROOM AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard Direct Exposure[1] (ppb)	Closure Standard Pollutant Mobility[2] (ppb)	SAMPLE RESULTS (ppb)								
			FTRM 1 10/10/97	FTRM 2 10/10/97	FTRM 3 10/10/97	FTRM 4 10/10/97	FTRM 5 10/10/97	FTRM 6 10/10/97	FTRM 7 10/10/97	FTRM 8 10/10/97	FTRM 9 10/10/97
2-Butanone (MEK)	500,000	80,000	BDL <10	165.0	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10
Benzene	21,000	200	BDL <10	17.0	25.0	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10
4-Methyl-2-Pentanone (MIBK)	500,000	14,000	BDL <10	34.0	BDL <10	BDL <10	BDL <10	64.0	BDL <10	BDL <10	BDL <10
Toluene	500,000	67,000	BDL <10	1,639.0	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10
Ethyl Benzene	500,000	10,100	BDL <10	12.0	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10
P/M Xylenes	500,000	19,500	BDL <10	51.0	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10
O-Xylene			BDL <10	20.0	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10
Styrene	500,000	20,000	BDL <10	32.0	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10
2-Hexanone (MBK)	2,710,000[3]	56,000[3]	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10
Methyl Chloride	82,000	1,000	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10
All Other Volatiles	---	---	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

[1]Direct Exposure Criteria for Residential Areas, CT-DEP RSR
[2]Pollutant Mobility Criteria for GB Areas, CT-DEP RSR
[3]Calculated Standard
BDL = Below Detectable Limit
ppb = parts per billion

TABLE 22 (continued)

RESULTS OF SAMPLE ANALYSES FOR VOLATILES
FRONT ROOM AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard Direct Exposure[1] (ppb)	Closure Standard Pollutant Mobility[2] (ppb)	SAMPLE RESULTS (ppb)								
			FTRM 10 10/10/97	FTRM 11 10/10/97	FTRM 12 10/10/97	FTRM 13 10/10/97	FTRM 14 10/10/97	FTRM 15 10/10/97	FTRM 16 10/10/97	FTRM 17 10/10/97	FTRM 18 10/10/97
2-Butanone (MEK)	500,000	80,000	115.0	BDL <10	235.0	340.0	972.0	BDL <10	BDL <10	BDL <10	128.0
Benzene	21,000	200	21.0	BDL <10	121.0	133.0	**239.0**	42.0	BDL <10	153.0	37.0
4-Methyl-2-Pentanone (MIBK)	500,000	14,000	43.0	BDL <10	BDL <10	BDL <10	59.0	BDL <10	BDL <10	BDL <10	BDL <10
Toluene	500,000	67,000	402.0	BDL <10	17.0	BDL <10	9,036.0	BDL <10	BDL <10	BDL <10	13.0
Ethyl Benzene	500,000	10,100	BDL <10	BDL <10	BDL <10	BDL <10	15.0	BDL <10	BDL <10	10.0	BDL <10
P/M Xylenes	500,000	19,500	26.0	BDL <10	BDL <10	BDL <10	29.0	10.0	BDL <10	12.0	BDL <10
O-Xylene			BDL <10	BDL <10	BDL <10	BDL <10	14.0	BDL <10	BDL <10	BDL <10	BDL <10
Styrene	500,000	20,000	BDL <10	BDL <10	BDL <10	BDL <10	20.0	BDL <10	BDL <10	BDL <10	BDL <10
2-Hexanone (MBK)	2,710,000[3]	56,000[3]	43.0	BDL <10	28.0	37.0	33.0	BDL <10	BDL <10	BDL <10	BDL <10
Methyl Chloride	82,000	1,000	BDL <10	BDL <10	BDL <10	BDL <10	21.0	BDL <10	BDL <10	BDL <10	14.0
All Other Volatiles	---	---	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

[1]Direct Exposure Criteria for Residential Areas, CT-DEP RSR
[2]Pollutant Mobility Criteria for GB Areas, CT-DEP RSR
[3]Calculated Standard
Results in bold shaded cells exceed pollutant mobility closure standard.
BDL = Below Detectable Limit
ppb = parts per billion

TABLE 22 (continued)

RESULTS OF SAMPLE ANALYSES FOR VOLATILES AND PHENOL
FRONT ROOM AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard Direct Exposure[1] (ppb)	Closure Standard Pollutant Mobility[2] (ppb)	SAMPLE RESULTS (ppb)			
			FW-1 8/11/98	FW-2 8/11/98	FW-3 8/11/98	FW-6 8/11/98
Benzene	21,000	200	BDL<20	BDL<20	BDL<20	BDL<20
Phenol			3.0	3.0	ND <2.5	ND <2.5

[1]Direct Exposure Criteria for Residential Areas, CT-DEP RSR
[2]*Pollutant Mobility Criteria for GB Areas, CT-DEP RSR*
[3]Calculated Standard
Results in bold shaded cells exceed pollutant mobility closure standard.
BDL = Below Detectable Limit
ND = Not Detected

TABLE 23

RESULTS OF SAMPLE ANALYSES FOR SEMI-VOLATILES, PHENOLS, AND TPH
FRONT ROOM AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard Direct Exposure[1] (ppb)	Closure Standard Pollutant Mobility[2] (ppb)	SAMPLE RESULTS (ppb)								
			FTRM 1 10/10/97	FTRM 2 10/10/97	FTRM 3 10/10/97	FTRM 4 10/10/97	FTRM 5 10/10/97	FTRM 6 10/10/97	FTRM 7 10/10/97	FTRM 8 10/10/97	FTRM 9 10/10/97
Bis(2-Ethylhexyl) Phthalate	44,000	11,000	BDL <20	1,611.0	BDL <20	BDL <20	BDL <20	**37,775**	345.0	BDL <20	BDL <20
Di-N-Butyl Phthalate	1,000,000	140,000	BDL <20	13,186.0	BDL <20	BDL <20	BDL <20	1,3490	BDL <20	BDL <20	BDL <20
Di-N-Octyl Phthalate	1,000,000	20,000	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20
Dimethyl Phthalate	677,420,000[3]	14,000,000[3]	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20	BDL <20
Phenol	1,000 ppm	800 ppm	ND<1.0 ppm	ND<1.0 ppm	ND<1.0 ppm	ND<1.0 ppm	ND<1.0 ppm	452 ppm	ND<1.0 ppm	ND<1.0 ppm	ND<1.0 ppm
Oil and Grease (TPH)	500 ppm	2,500 ppm	ND <25 ppm	**2,600 ppm**	ND <25 ppm	ND <25 ppm	ND <25 ppm	6,160 ppm	40 ppm	ND <25 ppm	56 ppm

[1]Direct Exposure Criteria for Residential Areas, CT-DEP RSR
[2]Pollutant Mobility Criteria for GB Areas, CT-DEP RSR
[3]Calculated Standard
Results in bold shaded cells exceed closure standard(s).
ND = Not Detectable
ppm = Parts Per Million
ppb = Parts Per Billion
BDL = Below Detection Limit

TABLE 23 (continued)

RESULTS OF SAMPLE ANALYSES FOR SEMI-VOLATILES, PHENOLS, AND TPH
FRONT ROOM AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard Direct Exposure[1] (ppb)	Closure Standard Pollutant Mobility[2] (ppb)	SAMPLE RESULTS (ppb)								
			FTRM 10 10/10/97	FTRM 11 10/10/97	FTRM 12 10/10/97	FTRM 13 10/10/97	FTRM 14 10/10/97	FTRM 15 10/10/97	FTRM 16 10/10/97	FTRM 17 10/10/97	FTRM 18 10/10/97
Bis(2-Ethylhexyl) Phthalate	44,000	11,000	1,205.0	BDL <10	33.0	32.0	3,306.0	BDL <10	BDL <10	BDL <10	46.0
Di-N-Butyl Phthalate	1,000,000	140,000	**3,654.0**	BDL <10	157.0	174.0	9,390.0	BDL <10	BDL <10	BDL <10	BDL <10
Di-N-Octyl Phthalate	1,000,000	20,000	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10	BDL <10
Dimethyl Phthalate	677,420,000[3]	14,000,000[3]	BDL <10	BDL <10	BDL <10	BDL <10	438.0	BDL <10	BDL <10	BDL <10	BDL <10
Phenol	1,000 ppm	800 ppm	**952**	ND <1	14.8	17.6	**1,425**	ND <1	9.6	ND <1	ND <1
Oil and Grease (TPH)	500 ppm	2,500 ppm	**18,356**	44	168	**508**	**14,300**	ND <25	48	ND <25	392

[1]Direct Exposure Criteria for Residential Areas, CT-DEP RSR
[2]Pollutant Mobility Criteria for GB Areas, CT-DEP RSR
[3]Calculated Standard
Results in bold shaded cells exceed closure standard(s).
ND = Not Detectable
ppm = Parts Per Million
ppb = Parts Per Billion
BDL = Below Detection Limit

TABLE 24

SUMMARY OF MARCH 31, 1998, SOIL SAMPLING RESULTS - FRONT ROOM

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Sample Location		Sample Results									
		Arsenic via Mass Analysis (mg/kg)	Cadmium via Mass Analysis (mg/kg)	Lead via Mass Analysis (mg/kg)	Copper via Mass Analysis (mg/kg)	Antimony via SPLP (mg/l)	Lead via SPLP (mg/l)	TPH (ppm)	Phenols (ppm)	Benzene (ppm)	Bis (2-ethylhexyl) Phthalate (ppb)
F-EXC-1	3/31/98	2.2	22	11.7	N/A	0.064	ND<0.005	6,860	550	981	N/A
F-EXC-2	3/31/98	2.6	200	20.8	N/A	0.128	ND<0.005	16,100	575	ND<100	N/A
F-EXC-3	3/31/98	2.7	ND<0.5	12.8	8.6	ND<0.006	ND<0.005	196	ND<2	ND<100	N/A
F-EXC-4	3/31/98	2.6	ND<0.5	8.7	12.3	ND<0.006	ND<0.005	48	3	ND<100	N/A
F-EXC-5	3/31/98	2.7	ND<0.5	11.6	N/A	ND<0.006	0.006	ND<25	N/A	N/A	N/A
F-EXC-6	3/31/98	4.6	10.8	14.9	N/A	ND<0.006	0.009	40	N/A	N/A	N/A
F-EXC-7	3/31/98	3.9	ND<0.5	18.9	N/A	ND<0.006	ND<0.005	ND<25	N/A	N/A	N/A
F-EXC-8	3/31/98	2.9	39	12.0	N/A	0.008	0.008	29,700	1,300	736	N/A
F-EXC-9	3/31/98	3.6	1.6	9.7	N/A	ND<0.006	0.005	67,000	N/A	N/A	N/A
F-EXC-10	3/31/98	2.7	ND<0.5	10.4	8.0	ND<0.006	0.006	72	N/A	N/A	N/A
F-EXC-11	3/31/98	2.9	ND<0.5	7.1	11.6	ND<0.006	0.006	100	N/A	N/A	N/A
F-EXC-12	3/31/98	14.9	ND<0.5	8.8	N/A	0.019	ND<0.005	76	N/A	N/A	53
F-EXC-13	3/31/98	13.4	ND<0.5	10.2	N/A	ND<0.06	ND<0.005	64	N/A	N/A	124
F-EXC-14	3/31/98	15.2	ND<0.5	8.5	N/A	ND<0.06	ND<0.005	52	N/A	N/A	166
F-EXC-15	3/31/98	10.1	0.9	15.3	N/A	0.032	ND<0.005	108	N/A	N/A	107
Direct Exposure MCC[1]		10	34	500	2,500	---	---	500	1,000	21,000	44,000
Pollutant Mobility MCC[2]		---	---	---	---	0.06	0.15	2,500	800	200	11,000

ND = Not Detected
N/A = Not Analyzed

Notes:
[1] Residential Direct Exposure Criteria from the CT-RSR
[2] GB Area Pollutant Mobility Criteria from the CT-RSR

TABLE 25
AUGUST 11, 1998, MASS ANALYSIS RESULTS FOR FRONT ROOM AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard - Direct Exposure[1] (mg/kg)	Closure Standard - Pollutant Mobility[2] (ppb)	SAMPLE RESULTS (mg/kg)								
			FBL-1 8/11/98	FW-1 8/11/98	FW-2 8/11/98	FW-3 8/11/98	FW-4 8/11/98	FW-5 8/11/98	FW-6 8/11/98	FW-7 8/11/98	FW-8 8/11/98
Arsenic	10	---	**11.3**	---	---	---	---	---	---	---	---
Cadmium	34	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.9
Benzene	21,000	200	---	BDL<20	BDL<20	BDL<20	---	---	BDL<20	---	---
Phenol	1,000	800 ppm	---	3.0	3.0	ND<2.5	---	---	ND<2.5	---	---

[1]Direct Exposure Criteria for Residential Areas, CT-DEP Remediation Standard Regulations (RSR)

[2]*Pollutant Mobility Criteria for GB areas, CT DEP RSR*

[3]Calculated standard

BDL = Below Detectable Limit

ND = Not Detected

Results in bold shaded cells exceed closure standard.

TABLE 26
AUGUST 11, 1998 SPLP RESULTS FOR FRONT ROOM AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard - Pollutant Mobility[1] (mg/1)	SAMPLE RESULTS (mg/1)							
		FW-1 8/11/98	FW-2 8/11/98	FW-3 8/11/98	FW-4 8/11/98	FW-5 8/11/98	FW-6 8/11/98	FW-7 8/11/98	FW-8 8/11/98
Antimony	0.06	ND<0.006	ND<0.006	ND<0.006	ND<0.006	ND<0.006	ND<0.006	ND<0.006	0.011

[1]Pollutant Mobility Criteria for GB Areas, CT DEP CT-DEP Remediation Standard Regulations (RSR)

[2]Calculated standard

Results in bold shaded cells exceed closure standard.

ND = Not Detected

TABLE 27

SEPTEMBER 16, 1997, MASS ANALYSIS METAL RESULTS FOR BACK ROOM AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard Exposure[1] (mg/kg)	SAMPLE RESULTS (mg/kg)						
		TKRM-1 9/16/97	TKRM-2 9/16/97	TKRM-3 9/16/97	TKRM-4 9/16/97	TKRM-5 9/16/97	TKRM-6 9/16/97	TKRM-7 9/16/97
Antimony	27	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
Arsenic	10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	3.0	ND<1.0
Barium	4,700	17	16	173	18	29	23	15
Cadmium	34	ND<0.5	ND<0.5	17.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Chromium, Total	3,900	6.8	5.1	7.0	6.2	9.5	6.9	4.3
Cobalt	4,064[2]	4.0	3.0	3.0	4.0	5.0	4.0	3.0
Copper	2,500	6.1	7.0	7.4	6.4	9.3	7.6	7.5
Lead	500	4.4	4.5	5.8	6.3	27.6	26.9	3.4
Mercury	20	ND<0.02	ND<0.02	ND<0.02	0.02	0.02	0.04	ND<0.02
Nickel	1,400	5.9	5.0	6.7	5.5	9.9	6.1	5.3
Silver	340	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2
Tin	40,645[2]	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20
Vanadium	470	15.0	9.5	13.0	13.5	20.0	15.0	9.0
Zinc	20,000	15.3	15.4	27.7	186	1,030	21.9	34.0

[1] Direct Exposure Criteria for Residential Areas, CT-DEP Remediation Standard Regulations (RSR)
[2] Calculated standard
Results in bold shaded cell **exceeded closure standard**.
ND = Not Detected

TABLE 28

SEPTEMBER 16, 1997 SPLP METAL RESULTS FOR BACK ROOM AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard Exposure[1] (mg/l)	SAMPLE RESULTS (mg/l)						
		TKRM-1 9/16/97	TKRM-2 9/16/97	TKRM-3 9/16/97	TKRM-4 9/16/97	TKRM-5 9/16/97	TKRM-6 9/16/97	TKRM-7 9/16/97
Antimony	0.06	ND<0.006	ND<0.006	ND<0.006	ND<0.006	ND<0.006	ND<0.006	ND<0.006
Arsenic	0.5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Barium	10.0	ND<0.5	ND<0.5	0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Cadmium	0.05	ND<0.005	ND<0.005	0.028	ND<0.005	ND<0.005	ND<0.005	ND<0.005
Chromium, Total	0.5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Cobalt	4.2[2]	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1
Copper	13	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	0.01	0.01
Lead	0.15	0.006	0.006	0.007	ND<0.005	0.007	0.028	0.007
Mercury	0.02	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002
Nickel	1.0	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Silver	0.36	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01
Tin	42.0[2]	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Vanadium	0.50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Zinc	50	ND<0.05	ND<0.05	0.12	ND<0.05	0.21	ND<0.05	ND<0.05

[1] Pollutant Mobility Criteria for GB Areas, CT-DEP Remediation Standard Regulations (RSR)
[2] Calculated standard
Results in bold shaded cell **exceeded closure standard.**
ND = Not Detected

TABLE 29

SEPTEMBER 16, 1997 VOLATILE RESULTS FOR BACK ROOM AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard Direct Exposure[1] (ppb)	Closure Standard Pollutant Mobility[2] (ppb)	SAMPLE RESULTS (ppb)						
			TKRM-1 9/16/97	TKRM-2 9/16/97	TKRM-3 9/16/97	TKRM-4 9/16/97	TKRM-5 9/16/97	TKRM-6 9/16/97	TKRM-7 9/16/97
Benzene	21,000	200	BDL<10	BDL<10	90	BDL<10	BDL<10	BDL<10	BDL<10
Toluene	500,000	67,000	BDL<10	BDL<10	1,404	38	391	BDL<10	162
P/M Xylenes	500,000	19,500	BDL<10	BDL<10	30	BDL<10	11	BDL<10	10
O-Xylenes			BDL<10	BDL<10	BDL<10	BDL<10	BDL<10	BDL<10	BDL<10
Acetone	500,000	140,000	BDL<500	BDL<500	8,170	6,060	BDL<500	BDL<500	11,497
All Other Volatiles	---	---	BDL<10	BDL<10	BDL<10	BDL<10	BDL<10	BDL<10	BDL<40

[1] Direct Exposure Criteria for Residential Areas, CT-DEP RSR
[2] Pollutant Mobility Criteria for GB Areas, CT-DEP RSR
BDL = Below Detection Limit
ppb = parts per billion

TABLE 30

SEPTEMBER 16, 1997 SEMI-VOLATILES, PHENOLS, AND TPH RESULTS FOR BACK ROOM AREA

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard Direct Exposure[1] (ppb)	Closure Standard Pollutant Mobility[2] (ppb)	SAMPLE RESULTS (ppb)						
			TKRM-1 9/16/97	TKRM-2 9/16/97	TKRM-3 9/16/97	TKRM-4 9/16/97	TKRM-5 9/16/97	TKRM-6 9/16/97	TKRM-7 9/16/97
Bis(2-Ethylhexyl) Phthalate	44,000	11,000	114	589	2,694	112	563	95	1,170
Di-N-Butyl Phthalate	1,000,000	140,000	BDL<20	BDL<20	BDL<200	BDL<20	BDL<20	BDL<20	BDL<200
Di-N-Octyl Phthalate	1,000,000	20,000	BDL<20	BDL<20	BDL<200	BDL<20	BDL<20	BDL<20	BDL<200
Dimethyl Phthalate	677,420,000[3]	14,000,000[3]	BDL<20	BDL<20	BDL<200	BDL<20	BDL<20	BDL<20	BDL<200
Phenol	1,000 ppm	800 ppm	ND<1.0 ppm	ND<1.0 ppm	120 ppm	ND<1.0 ppm	ND<1.0 ppm	ND<1.0 ppm	ND<1.0 ppm
Oil and Grease (TPH)	500 ppm	2,500 ppm	ND<25 ppm	452 ppm	**5,408 ppm**	32 ppm	ND<25 ppm	40 ppm	488 ppm

[1] Direct Exposure Criteria for Residential Areas, CT-DEP RSR
[2] Pollutant Mobility Criteria for GB Areas, CT-DEP RSR
[3] Calculated Standard
Results in bold shaded cells exceeded closure standard(s).
BDL = Below Detection Limit
ND = Not Detected

TABLE 31
OCTOBER 13, 1997 SOIL SAMPLE RESULTS - BACKROOM
Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Parameters	Closure Standard Exposure[1] (mg/kg)	Closure Standard Pollutant Mobility[2] (mg/l)	Oct. 13, 1997 TKRM-3 3'-3.5'	
			mg/kg	mg/l
Antimony	27	0.06	10	**0.093**
Arsenic	10	0.5	2.7	ND<0.05
Barium	4,700	10.0	376	0.9
Cadmium	34	0.05	22.0	0.007
Chromium, Total	3,900	0.5	7.2	ND<0.05
Cobalt	4,064[3]	4.2[3]	3.9	ND<0.1
Copper	2,500	13	9.0	0.02
Lead	500	0.15	8.2	0.008
Mercury	20	0.02	ND<0.02	ND<0.002
Nickel	1,400	1.0	8.3	ND<0.05
Silver	340	0.36	ND<0.2	ND<0.01
Tin	40,645[3]	42.0[3]	800	ND<0.5
Vanadium	470	0.50	16.2	ND<0.1
Zinc	20,000	50	36.6	0.10
Benzene	21,000	200	**2,416**	
Toluene	500,000	67,000	18,068	
P/M Xylenes	500,000	19,500	181	
O-Xylenes			BDL<100	
Acetone	500,000	140,000	BDL<500	
All Other Volatiles	---	---	BDL<100	
Bis(2-Ethylhexyl) Phthalate	44,000	11,000	2,130	
Di-N-Butyl Phthalate	1,000,000	140,000	451	
Di-N-Octyl Phthalate	1,000,000	20,000	320	
Dimethyl Phthalate	677,420,000[3]	14,000,000[3]	BDL<200	
Phenol	1,000 ppm	800 ppm	**2,300 ppm**	
Oil and Grease (TPH)	500 ppm	2,500 ppm	**16,840 ppm**	

[1] Direct Exposure Criteria for Residential Areas, CT DEP RSR
[2] Pollutant Mobility Criteria for GB Areas, CT DEP RSR
[3] Calculated Standard
Results in bold shaded cells exceeded closure standard(s)
BDL = Below Detection Limit
ND = Not Detected

TABLE 32

SUMMARY OF MARCH 31, 1998 CONFIRMATORY SOIL SAMPLE RESULTS - BACK ROOM

Former Synthetic Products Company
375 Barnum Avenue Cut-Off
Stratford, Connecticut

Sample Location		Antimony via SPLP (mg/l)	TPH (ppm)	Phenols (ppm)	Benzene (ppm)
T-EXC-1	3/31/98	0.012	336	11	ND <100
T-EXC-2	3/31/98	ND<0.006	100	ND <2	ND<100
T-EXC-3	3/31/98	0.025	76	ND <2	ND<100
Direct Exposure MCC[1]		---	500	1,000	21,000
Pollutant Mobility MCC[2]		0.06	2,500	800	200

ND = Not Detected
N/A = Not Analyzed

Notes:

[1] Residential Direct Exposure Criteria from the CT-RSR
[2] GB Area Pollutant Mobility Criteria from the CT-RSR

TABLE 33

CLOSURE DERIVED WASTES

FORMER SYNTHETIC PRODUCTS COMPANY
375 BARNUM AVENUE CUT-OFF
STRATFORD, CT
HRP #SPC-0004.RC/TASK 07

Waste	Quantity	Transporter Name and Address	Disposal Facility Name and Address
Concrete	>1,000 tons	Earth Technologies, Inc. 86 Leonardo Drive North Haven, CT	Branford Municipal Landfill Tabor Drive Branford, CT
Excavated Soil and Asphalt	1,076 tons	Earth Technologies, Inc. 86 Leonardo Drive North Haven, CT	Branford Municipal Landfill Tabor Drive Branford, CT
Tank Product and Steam Cleaning Wash Waters	495 gals.	Republic Environmental Systems (Trans Group) Republic Environmental Systems PA 2869 Sandstone Drive Hatfield, PA 19440	Republic Environmental Systems (Trans Group) Republic Environmental Systems PA 2869 Sandstone Drive Hatfield, PA 19440

TABLE 34

CHRONOLOGICAL SUMMARY OF CLOSURE-RELATED ACTIVITIES

FORMER SYNTHETIC PRODUCTS COMPANY
375 BARNUM AVENUE CUT-OFF
STRATFORD, CT
HRP #SPC-0004.RC/TASK 07

Date	Closure Activity/Event Description
May 20, 1997	• Submission of "Closure Plan - Volume I" to the CT DEP
June 26, 1997	• Meeting between SPC Divestitures, Inc. (SPC), HRP Associates, Inc. (HRP), Geoquest, and the CT DEP. Issues discussed included: –Desire of SPC to proceed with closure as soon as possible. –Kraft, Inc. has accepted responsibility for cleaning up benzene/phenol contaminated ground water.
July 2, 1997	• HRP collected four (4) concrete chip samples for analysis of parameters listed in 40 CFR 264 Appendix IX.
July 24, 1997	• HRP received results of Appendix IX sampling. The following parameters were added to the COC list based upon their detection in the Appendix IX samples: - Cobalt - Bis (2-ethylhexyl)phthalate - Methyl Isobutyl Ketone - Copper - Di-N-Butyl Phthalate - Toluene - Mercury - Dimethyl Phthalate - P/M-Xylenes - Nickel - Benzene - O-Xylene - Silver - Chloroform - Carbon Tetrachloride - Vanadium - Ethyl Benzene
August 25 & 26, 1997	• Earth Technology, inc. (ETI) power washed the four (4) former hazardous waste storage tanks. HRP visually inspected each tank for cleanliness. Wipe sampling was not conducted because the tanks were to be recycled.
September 15, 1997	• ETI began demolition of the concrete floor and excavating soil beneath the slab. Concrete debris and soil were stockpiled on-site for future disposal.
September 16, 1997	• HRP collected 7 subsurface soil samples from beneath the base of the front and back room tanks.
October 9, 1997	• HRP received results for the September 16, 1997 sampling.
October 10, 1997	• HRP collected 18 subsurface soil samples from beneath the base of the two (2) front room tanks.
October 27, 1997	• HRP received results for the September 16, 1997 sampling.
March 27, 1998	• HRP collected 4 post-excavation soil samples from the primary container storage area and 4 post-excavation soil samples from container storage area II.
March 31, 1998	• HRP collected 15 post-excavation soil samples from the front room and 3 post-excavation samples from the back room tank excavation area.
April 13, 1998	• HRP received results of the March 27, 1998 sampling activities.

TABLE 34

CHRONOLOGICAL SUMMARY OF CLOSURE-RELATED ACTIVITIES

FORMER SYNTHETIC PRODUCTS COMPANY
375 BARNUM AVENUE CUT-OFF
STRATFORD, CT
HRP #SPC-0004.RC/TASK 07

Date	Closure Activity/Event Description
April 17, 1998	• HRP received results of the March 31, 1998 sampling activities.
October 13, 1998	• HRP collected 1 post-excavation sample from the back room tank area.
October 14, 1998	• HRP collected 2 subsurface and 4 lateral soil samples from the primary container storage area.
October 15, 1998	• HRP collected 2 lateral soil samples from container storage area II and 5 subsurface soil samples from the secondary container storage area.
November 6, 1998	• HRP received results of the October 14 and 15, 1998 sampling activities.
December 17, 1998	• HRP collected 6 lateral soil samples from the primary container storage area excavation.
December 20, 1998	• HRP received results of the December 17, 1998 sampling activities.
January 7, 1999	• HRP collected 2 lateral soil samples from the primary container storage area excavation.
January 11, 1999	• HRP received results of the January 7, 1999 sampling activities.
November 3, 2004	• HRP collected fill material samples (total of 9) from the front room, back room, and primary container storage area.

TABLE 35
SOIL SAMPLES COLLECTED FROM SPC RCRA STORAGE AREAS BY CRA IN MAY 1995

FORMER SYNTHETIC PRODUCTS COMPANY
375 BARNUM AVENUE CUT-OFF
STRATFORD, CONNECTICUT

Detected Constituents	Res DEC	I/C DEC	20x GB PMC	Front Room				Primary Container Storage Area	
				SB-3*	SB-3A*	SB-4	SB-5A	SB-5*	SB-6*
				2.5-4.5'	3-5'	3.5-5.5'	5-7'	2-4'	1-3'
Arsenic	10	10	10	5.1	***12.8***	5	4.2	10	5.3
Barium	4,700	140,000	200	44.2	53.1	28.9	13	175	56.5
Cadmium	34	1,000	1	***1.1***	<1	<1	<1	***23.4***	<1
Chromium	100	100	10	***26.3***	***16.6***	***12.4***	4.4	***15.93***	***23.9***
Copper	2,500	76,000	260	***1330***	23.3	16.2	6.9	38	29.9
Lead	400	1,000	3	***93.9***	***16.9***	***15***	1.8	***42.2***	***48.3***
Nickel	1,400	7,500	20	***34.1***	14	10.1	5.1	10.7	18.9
Silver	340	10,000	7.2	3.7	<1	<1	<1	<1	<1
Zinc	20,000	610,000	1000	***1240***	49.3	41.3	12.1	738	75.7
Acetone	500	1000	140	<6.2	0.044	0.23	<120	<0.050	0.0036
Benzene	21	200	0.2	***1.5***	0.027	***0.21***	<12	<0.005	0.0027
2-Butanone	500	1000	80	<6.2	0.015	<0.500	<120	<0.050	<0.005
Toulene	500	1000	67	<0.62	0.028	0.094	***160***	0.0034	<0.005
Xylenes	500	1000	19.5	0.61	<0.005	<0.050	<12	<0.005	<0.005
4-Methyl-2-pentanone	NE	NE	NE	<6.2	0.0023	<0.050	<120	<0.050	<0.05

TABLE 36
HISTORICAL GROUNDWATER ANALYTICAL RESULTS SUMMARY BY CRA

FORMER SYNTHETIC PRODUCTS COMPANY
375 BARNUM AVENUE CUT-OFF
STRATFORD, CONNECTICUT

Monitoring Well ID	*Date Sampled*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*Heptane*
CTDEP Surface Water Protection Criteria		*710*	*4,000,000*	*580,000*	*NV*	*86 (1)*
CRA2S-95	6/1/95	46	ND (7.1)	ND (7.1)	ND (7.1)	NA
	9/13/95	ND (83)	ND (83)	ND (83)	ND (83)	NA
	8/17/99	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	11/16/99	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	3/16/00	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	6/8/00	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	9/12/00	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	12/19/00	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (5.0)
	3/28/01	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (5.0)
	6/27/01	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (5.0)
	9/26/01	ND (1.0)]	ND (1.0)]	ND (1.0)]	ND (1.0)]	ND (5.0)]
	3/12/02	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	9/18/02	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
CRA2D-95	6/1/95	ND (83)	ND (83)	ND (83)	ND (83)	NA
	9/13/95	ND (83)	ND (83)	ND (83)	ND (83)	NA
	8/17/99	ND (20)	ND (20)	ND (20)	ND (20)	ND (100)
	11/16/99	ND (20)	ND (20)	ND (20)	ND (20)	ND (100)
	3/16/00	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	6/8/00	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	9/12/00	ND (1.0)]	ND (1.0)]	ND (1.0)]	ND (1.0)]	ND (5.0)]
	12/19/00	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)	ND (25)
	3/28/01	ND (10)	ND (10)	ND (10)	ND (50)	ND (50)
	6/27/01	ND (20)	ND (20)	ND (20)	ND (100)	ND (100)
	9/26/01	0.88J	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	3/12/02	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	9/18/02	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(25)
CRA4S-95	6/1/95	620	2,900	ND (120)	ND (120)	NA
	9/13/95	1,000	3,200	ND (100)	ND (100)	NA
	8/17/99	628	ND (10)	ND (10)	ND (10)	ND (50)
	11/16/99	464	7.4	ND (5.0)	ND (5.0)	ND (25)
	3/16/00	220	2.6	ND (1.0)	ND (1.0)	ND (1.0)
	6/8/00	904	10.0	ND (5.0)	ND (5.0)	ND (25)
	9/12/00	738	7.4	ND (5.0)	ND (5.0)	ND (25)
	12/19/00	770	ND (2.5)	ND (2.5)	ND (12)	ND (12)
	3/28/01	331	30.6	1.0	ND (5.0)	ND (5.0)
	6/27/01	127	5.9	ND (5.0)	ND (25)	ND (25)
	9/26/01	445	35.3	1.3	1.6	ND (5.0)
	3/12/02	758	7.1	ND (5.0)	ND (5.0)	ND (250)
	9/18/02	739	105	1.9	~~2.9~~ 2.7	ND(5.0)
CRA6D-95	6/1/95	47/63	140/190	ND (33)/ND (25)	ND (33)/ND (25)	NA
	9/13/95	ND (120)	ND (120)	ND (120)	ND (120)	NA
	8/17/99	20.0	ND (10)	ND (10)	ND (10)	ND (50)
	11/16/99	ND (10)	ND (10)	ND (10)	ND (10)	ND (50)
	3/16/00	ND (10)	ND (10)	ND (10)	ND (10)	ND (50)
	6/8/00	19.9	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
	9/12/00	15.5J	ND (1.0)]	ND (1.0)]	ND (1.0)]	ND (5.0)]
	12/19/00	5.1	ND (1.0)	ND (1.0)	ND (5.0)	ND (5.0)
	3/28/01	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)	ND (25)
	6/27/01	ND (10)	ND (10)	ND (10)	ND (50)	ND (50)
	9/26/01	164	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	3/12/02	2.2	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	9/18/02	0.74J	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)

TABLE 36
HISTORICAL GROUNDWATER ANALYTICAL RESULTS SUMMARY BY CRA

FORMER SYNTHETIC PRODUCTS COMPANY
375 BARNUM AVENUE CUT-OFF
STRATFORD, CONNECTICUT

Monitoring Well ID	*Date Sampled*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*Heptane*
CTDEP Surface Water Protection Criteria		*710*	*4,000,000*	*580,000*	*NV*	*86 (1)*
CRA5S-95	6/1/95	9,900	6,200	ND (500)	ND (500)	NA
	9/13/95	16,000/14,000	11,000/9,400	ND (500)/ND (500)	ND (500)/ND (500)	NA
	8/17/99	16,000	ND (50)	ND (50)	ND (50)	ND (250)
	11/16/99	10,500	ND (50)	ND (50)	ND (50)	ND (250)
	3/16/00	3,230	ND (20)	ND (20)	ND (20)	ND (100)
	6/8/00	2,310J	ND (10)	ND (10)	ND (10)	ND (50)
	9/12/00	7,560	ND (20)	ND (20)	ND (20)	ND (100)
	12/19/00	9,460	ND (50)	ND (50)	ND (250)	ND (250)
	3/28/01	6,250	ND (50)	ND (50)	ND (250)	ND (250)
	6/27/01	7,240	ND (50)	ND (50)	ND (250)	ND (250)
	9/26/01	5,650	ND (50)	ND (50)	ND (50)	ND (250)
	3/12/02	4,350J	ND (5.0)	3.0J	ND (5.0)	ND (25)
	9/18/02	2,950	ND (25)	ND (25)	ND (25)	ND (130)
CRA5D-95	6/1/95	1,200	480	ND (42)	ND (42)	NA
	9/13/95	620	ND (12)	ND (12)	ND (12)	NA
	8/17/99	152	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	11/16/99	70.2	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	3/16/00	8.5	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	6/8/00	155	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	9/12/00	166	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	12/19/00	8.6	ND (1.0)	ND (1.0)	ND (5.0)	ND (5.0)
	3/28/01	177	ND (1.0)	ND (1.0)	ND (5.0)	ND (5.0)
	6/27/01	223	ND (1.0)	ND (1.0)	ND (5.0)	ND (5.0)
	9/26/01	132	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	3/12/02	40.1	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	9/18/02	5.4	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
CRA6S-95	6/1/95	15,000	ND (830)	ND (830)	ND (830)	NA
	9/13/95	16,000/17,000	ND (620)/ND (620)	ND (620)/ND (620)	ND (620)/ND (620)	NA
	8/17/99	19,400/15,500	ND (100)/ND (100)	ND (100)/ND (100)	ND (100)/ND (100)	ND (100)/ND (100)
	11/16/99	12,400/22,600	ND (50)/17.6	ND (50)/13.2	ND (50)/11.3	ND (250)/ND (5.0)
	3/16/00	2,520/2,510	14.4/12.7	ND (10)/ND (10)	ND (10)/ND (10)	ND (50)/ND (50)
	6/8/00	13,330/12,500	ND (100)/ND (100)	ND (100)/ND (100)	ND (100)/ND (100)	ND (100)/ND (100)
	9/12/00	12,100/12,200	ND (50)/ND (50)	ND (50)/ND (50)	ND (50)/ND (50)	ND (250)/ND (250)
	12/19/00	10,400/11,400	ND (50)/ND (50)	ND (50)/ND (50)	ND (250)/ND (250)	ND (250)/ND (250)
	3/28/01	8,800/8,210	ND (50)/ND (25)	ND (50)/ND (25)	ND (250)/ND (120)	ND (250)/ND (120)
	6/27/01	10,600/8,860	ND (100)/ND (50)	ND (100)/ND (50)	ND (500)/ND (250)	ND (500)/ND (250)
	9/26/01	4,390/5,790	ND (25)/ND (25)	8.1J/9.6J	ND (25)/ND (25)	ND (120)/ND (120)
	3/12/02	4,750/4,580	ND (20)/ND (20)	ND (20)/ND (20)	ND (20)/ND (20)	ND (100)/ND (100)
	9/18/02	3,460/3,670	1.5/ND(20)	11.8/ND(20)	1.1/ND(20)	ND(5.0)/ND(100)

TABLE 36
HISTORICAL GROUNDWATER ANALYTICAL RESULTS SUMMARY BY CRA

FORMER SYNTHETIC PRODUCTS COMPANY
375 BARNUM AVENUE CUT-OFF
STRATFORD, CONNECTICUT

Monitoring Well ID	*Date Sampled*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*Heptane*
CTDEP Surface Water Protection Criteria		*710*	*4,000,000*	*580,000*	*NV*	*86 (1)*
CRA6D-95	6/1/95	3,600/3,800	990/1,100	ND (100/ND (120)	ND (100/ND (120)	NA
	9/13/95	7,100	ND (250)	ND (250)	ND (250)	NA
	8/17/99	3,680	ND (10)	ND (10)	ND (10)	ND (250)
	11/16/99	7,860	ND (50)	ND (50)	ND (50)	ND (50)
	3/16/00	1,770	ND (10)	ND (10)	ND (10)	ND (250)
	6/8/00	8,880	ND (50)	ND (50)	ND (50)	ND (50)
	9/12/00	9,530	ND (25)	ND (25)	ND (25)	ND (120)
	12/19/00	1,220J	ND (5.0)	ND (5.0)	ND (25)	ND (25)
	3/28/01	775	ND (5.0)	5.7	ND (25)	ND (25)
	6/27/01	2,570	ND (20)	ND (20)	ND (100)	ND (100)
	9/26/01	6,990	ND (50)	ND (50)	ND (50)	ND (250)
	3/12/02	1,670	ND (10)	ND (10)	ND (10)	ND (50)
	9/18/02	4,660	ND(20)	ND(20)	ND(20)	ND(100)

Notes:

(1) - Heptane Surface Water Protection Criteria was developed by CRA as presented in CRA's correspondence to CTDEP dated June 1, 1998.

Concentrations in micrograms per liter (µg/L).

ND () - not detected at reporting limit stated in parentheses.

NA - not analyzed.

J - indicates an estimated value.

4,990/5,790 – sample result/duplicate sample result.

NV - No Surface Water Protection Criteria value available.

[ ] - Detected concentration exceeds Surface Water Protection Criteria.

TABLE 37
BACKFILL MATERIAL SAMPLING RESULTS

FORMER SYNTHETIC PRODUCTS COMPANY
375 BARNUM AVENUE CUT-OFF
STRATFORD, CONNECTICUT

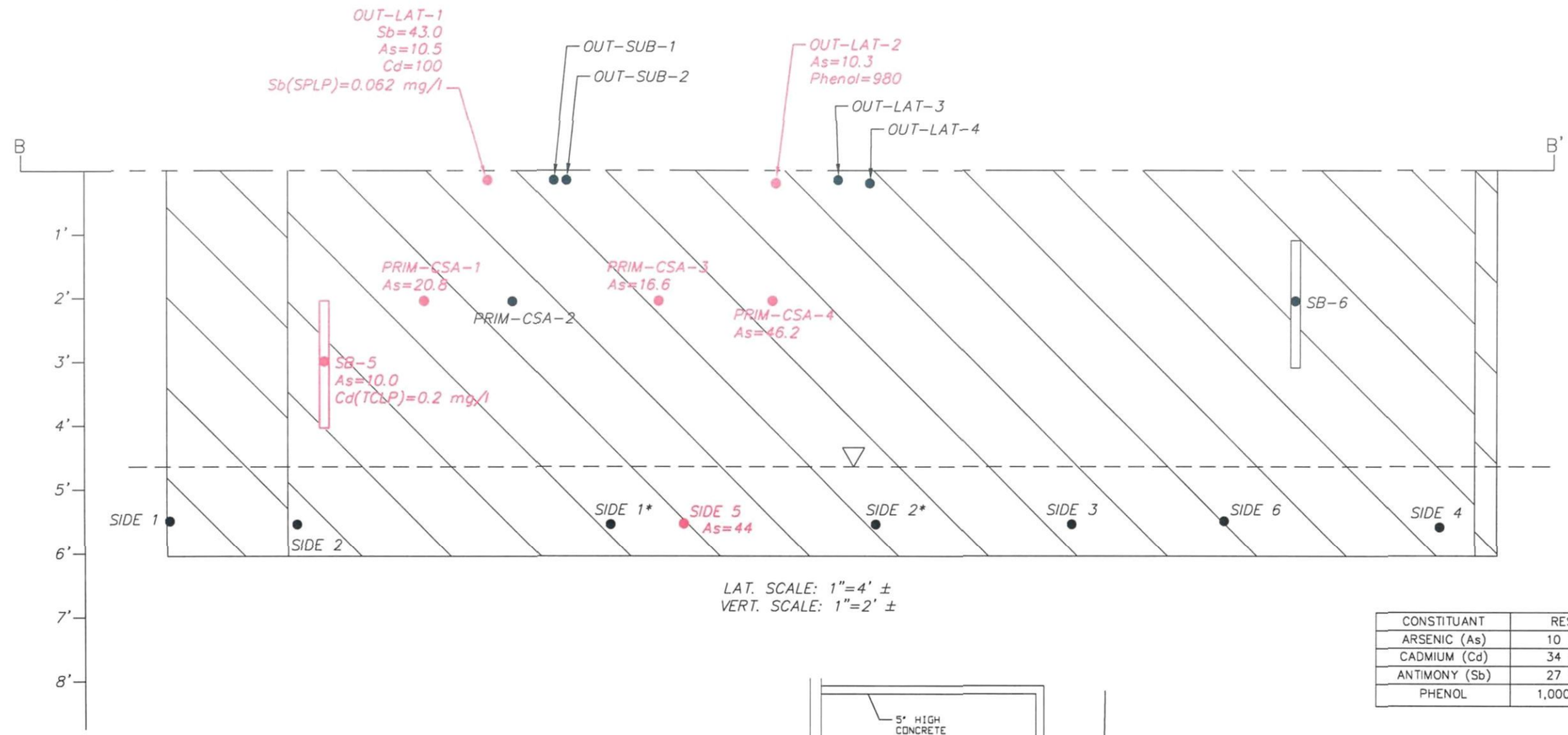
				PCS-1	PCS-2	BR-1	FR-1	FR-2	FR-3	FR-4	FR-5
			Sample Depth (ft.)	0.5-1.5'	0.5-1.5'	0.5-4'	0.5-4'	0.5-4'	0.5-4'	0.5-4'	0.5-4'
			Date Collected	11/3/2004	11/3/2004	11/3/2004	11/3/2004	11/3/2004	11/3/2004	11/3/2004	11/3/2004
Metals - mass analysis (mg/kg)	**RDEC**	**ICDEC**	**20X GB PMC**								
Arsenic	10	10	10	2.3	<1.0	2.7	1.9	4.6	2.4	1.5	2.1
Barium	4700	140000	200	49	14	42	50	39	66	45	33
Cadmium	34	1000	1	4.5	0.65	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium, Total	100	100	10	14	3.8	7.8	7.6	7.9	9.2	7.7	6.5
Copper	2500	76000	260	22	6.4	15	19	14	21	11	9.4
Lead	400	1000	3	13	5	5.9	5.9	5.6	7.3	6.1	6.5
Mercury	20	610	0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel	1400	7500	20	14	3	6.6	6.8	6.5	8.4	6.2	5.1
Selenium	340	10000	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Silver	340	10000	7.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Zinc	20000	610000	1000	130	31	37	24	22	29	19	18
Metals - SPLP (mg/L)	**RDEC**	**ICDEC**	**GB PMC**								
Cadmium	Not applicable		0.05	<0.005	NA	NA	NA	NA	NA	NA	NA
Chromium, Total			0.5	<0.05	NA	NA	NA	NA	NA	NA	NA
Lead			0.15	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
	RDEC	**ICDEC**	**GB PMC**								
CT ETPH (mg/kg)	500	2500	2500	71	400	<50	<50	<50	<50	<50	<50
VOCs (ug/kg)	all 8260B constituents			BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

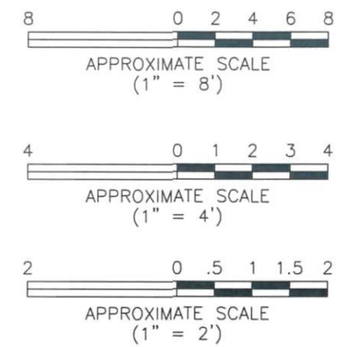
Notes:
Mass Data Compared to 20X GB PMC to Identify Potential Exceedances
Shaded Cells indicate exceedances of one or more of the listed standards.
* Chromium DEC standards as shown are for Hexavalent Chromium.

DEP RDEC = CT DEP Residential Direct Exposure Criteria
DEP ICDEC = CT DEP Industrial/Commercial Direct Exposure Criteria
DEP GB PMC = CT DEP GB Pollutant Mobility Criteria

NA = Not Submitted for analysis
NE = Not Established by CT DEP
mg/kg = milligrams per kilogram
ug/kg = microgram per kilogram
mg/L = milligram per liter-leachate

PCS = Primary Container Storage
BR = Back Room
FR = Front Room





CONSTITUANT	RES DEC	I/C DEC	GB PMC
ARSENIC (As)	10 mg/kg	10 mg/kg	0.5 ppm
CADMIUM (Cd)	34 mg/kg	1,000 mg/kg	0.05 ppm
ANTIMONY (Sb)	27 mg/kg	8,200 mg/kg	0.06 ppm
PHENOL	1,000 mg/kg	2,500 mg/kg	800 ppm

LEGEND

- ▽ – GROUNDWATER TABLE PER 6/95 SURVEY
- OUT-SUB-# ● OUT-LAT-# – HRP CONFIRMATORY SAMPLING 10/14-15/97
- PRIM-CSA-# ● – HRP CONFIRMATORY SAMPLING 3/27/98
- SIDE # ● – HRP CONFIRMATORY SAMPLING 12/12/98 & 1/7/99*
- SAMPLE # – SAMPLE W/EXCEEDENCE OF CT DEP STANDARDS
- SB # ● – CRA SUBSURFACE SAMPLING MAY 1995
- ▨ – EXCAVATED AREA

NOTES:

1. CONCENTRATIONS IN mg/kg, UNLESS OTHERWISE NOTED.
2. TCLP & SPLP RESULTS ARE REPORTED IN MILLIGRAMS PER LITER (mg/l) LEACHATE, WHICH IS EFFECTIVELY EQUAL TO ppm.
3. ALL SAMPLE LOCATIONS ARE PROJECTED ON CROSS-SECTION TO SHOW VERTICAL DISTRIBUTION OF SAMPLING RESULTS.

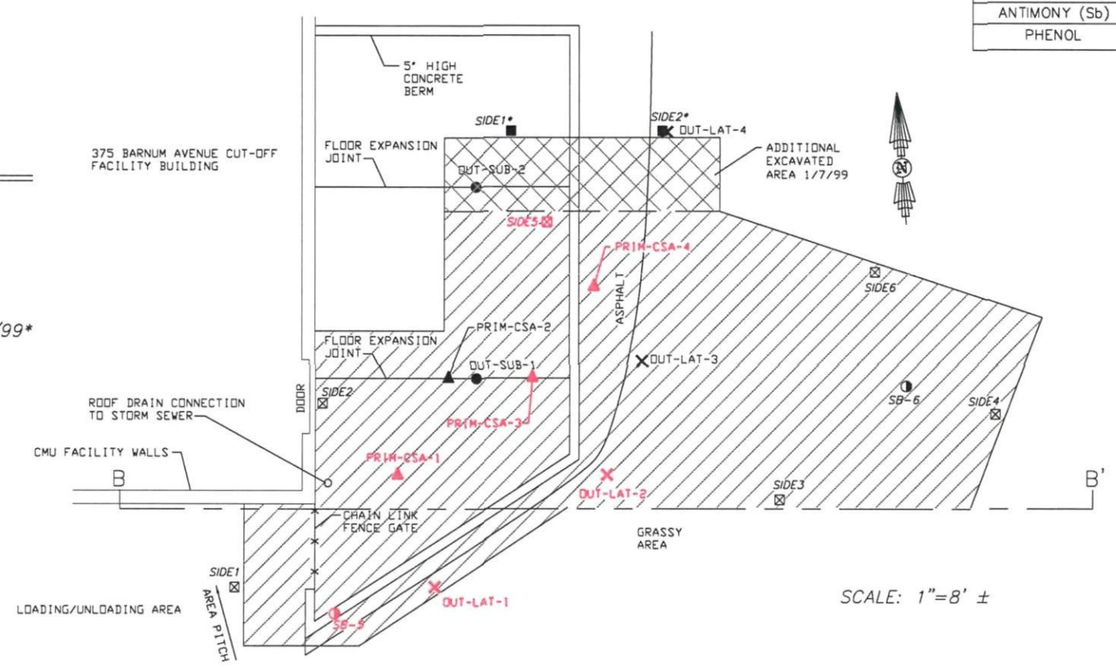
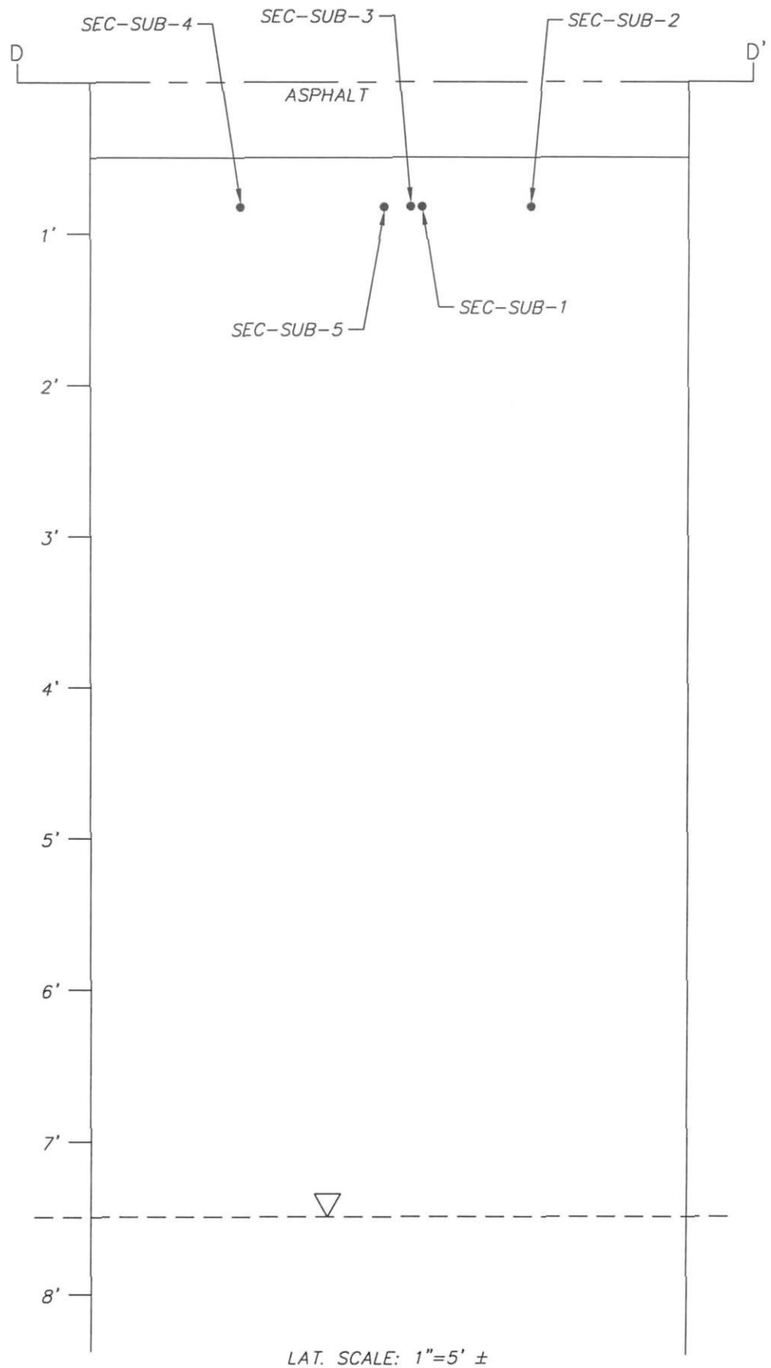


FIGURE 15
SUBSURFACE AND LATERAL SOIL SAMPLE LOCATIONS
PRIMARY CONTAINER STORAGE AREA
FORMER SYNTHETIC PRODUCTS CO.
375 BARNUM AVE. CUTOFF
STRATFORD, CONNECTICUT
HRP# COO1000.RC
SCALE AS NOTED

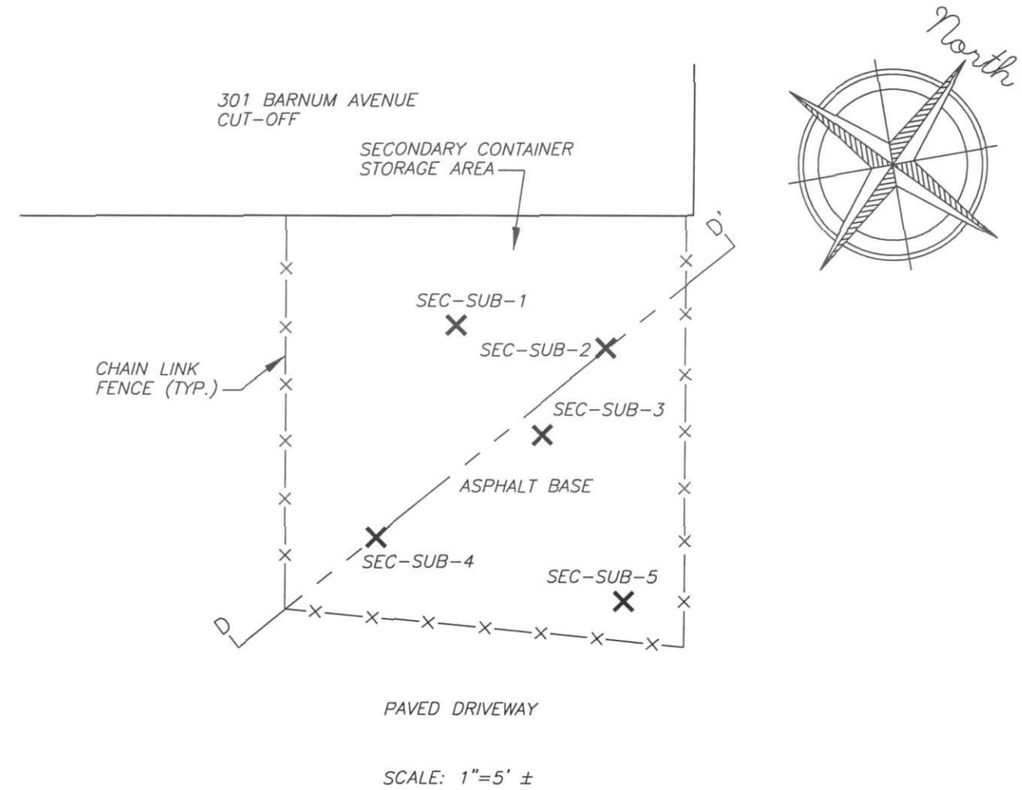
HRP Associates, Inc.
Environmental/Civil Engineering & Hydrogeology
Creating the Right Solutions Together
Connecticut, New York, Pennsylvania, South Carolina
197 Scott Swamp Road
Farmington, Connecticut 06032
Ph:(860)674-9570 Fax:(860)674-9624
www.hrpassociates.com

J:\C\COOKD - COOKSON DISCONTINUED OPERATIONS GROUP\375 BARNUM AVENUE CUT -OFF, STRATFORD, CT\COO1000RC\CAD\PRIMARY CONTAINER STORAGE AREA
5/3/2007 2:34:54 PM, \\HRP_FS1\RICOH Aficio 2228C PCL 5c

J:\C\COOKD - COOKSON DISCONTINUED OPERATIONS GROUP\375 BARNUM AVENUE CUT -OFF, STRATFORD, CT\CO01000RC\CAD\SECONDARY CONTAINER STORAGE
5/3/2007 2:35:15 PM, \\hrp_fs1\HP LaserJet 5Si



LAT. SCALE: 1"=5' ±
VERT. SCALE: 1"=1' ±



5 0 2.5 5
APPROXIMATE SCALE
(1" = 5')

1 0 .5 1
APPROXIMATE SCALE
(1" = 1')

LEGEND

▽ – GROUNDWATER TABLE PER 6/95 SURVEY

SEC-SUB-# ● – HRP CONFIRMATORY SAMPLING 10/15/97

NOTES:
1. NO EXCEEDENCES OF CLOSURE STANDARDS WERE DETECTED IN SAMPLES FROM THIS AREA SAMPLES FROM THIS AREA
2. ALL SAMPLE LOCATIONS ARE PROJECTED ON CROSS-SECTION TO SHOW VERTICAL DISTRIBUTION OF SAMPLING RESULTS.

FIGURE 16
SUBSURFACE SOIL SAMPLE LOCATIONS
SECONDARY CONTAINER STORAGE AREA
FORMER SYNTHETIC PRODUCTS CO.
375 BARNUM AVE. CUTOFF
STRATFORD, CONNECTICUT
HRP# CO01000.RC
SCALE AS NOTED

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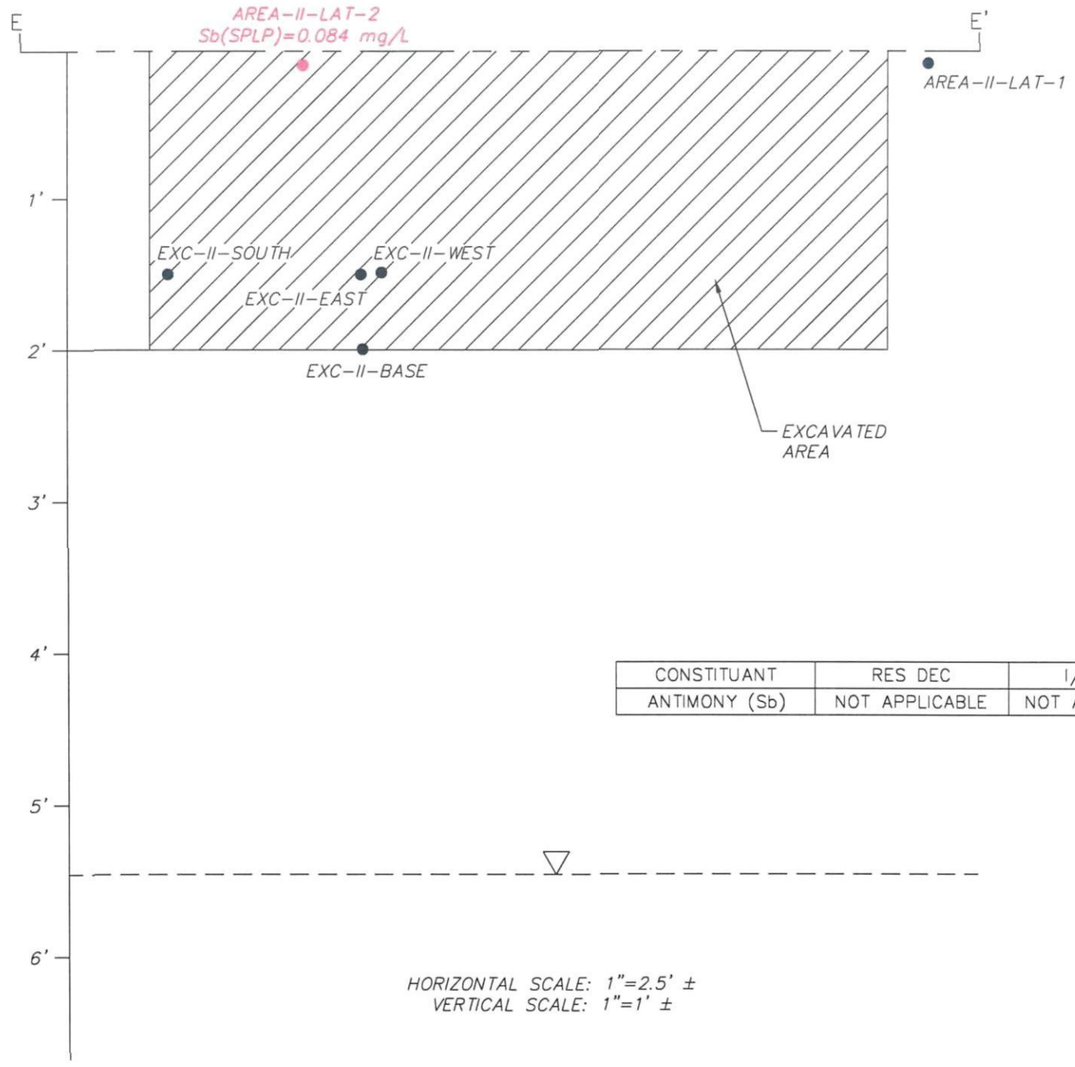
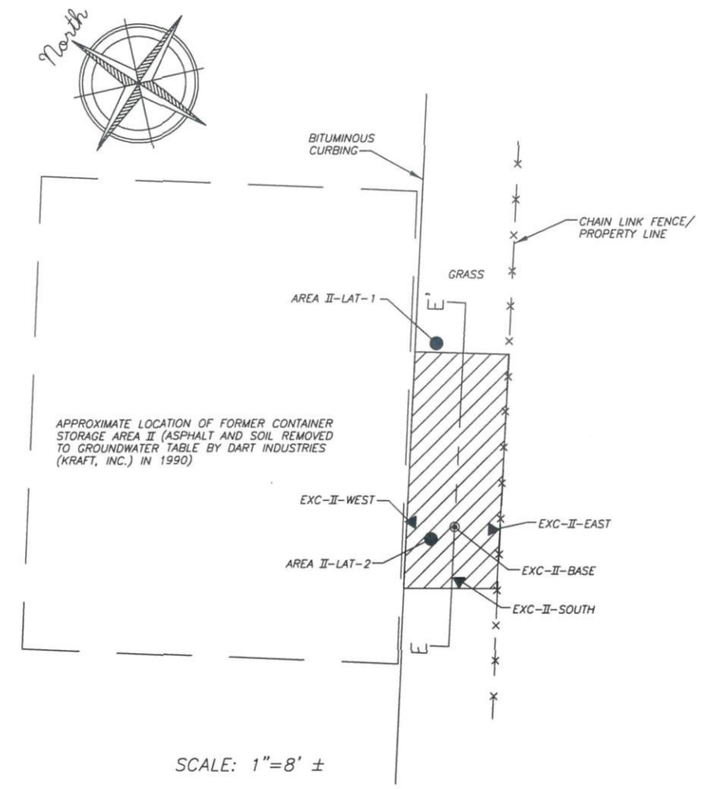
J:\C\COOKD - COOKSON DISCONTINUED OPERATIONS GROUP\375 BARNUM AVENUE CUT -OFF, STRATFORD, CT\COO1000RC\CAD\FORMER CONTAINER STORAGE ARE
5/3/2007 2:33:19 PM, \\HRP_FS1\RICOH Aficio 2228C PCL 5c



CONSTITUANT	RES DEC	I/C DEC	GBPMC
ANTIMONY (Sb)	NOT APPLICABLE	NOT APPLICABLE	0.06 mg/l



8 0 2 4 6 8
APPROXIMATE SCALE
(1" = 8')

2.5 0 1.25 2.5
APPROXIMATE SCALE
(1" = 2.5')

1 0 .5 1
APPROXIMATE SCALE
(1" = 1')

LEGEND

- ▽ – GROUNDWATER TABLE PER 6/95 SURVEY
- AREA-II-LAT-# ● – HRP SAMPLING 10/15/97
- EXC-II ● – HRP SAMPLING 3/27/98
- SAMPLE – SAMPLE W/EXCEEDENCE OF CT DEP STANDARDS
- EXCAVATED AREA 0-2'

NOTES:
1. SPLP RESULT IS REPORTED IN MILLIGRAM PER LITER (mg/l) LEACHATE, WHICH IS EFFECTIVELY EQUAL TO PARTS PER MILLION (ppm).
2. ALL SAMPLE LOCATIONS ARE PROJECTED ON CROSS-SECTION TO SHOW VERTICAL DISTRIBUTION OF SAMPLING RESULTS.

FIGURE 17
SOIL SAMPLE LOCATIONS
FORMER DRUM STORAGE AREA II
FORMER SYNTHETIC PRODUCTS CO.
375 BARNUM AVE. CUTOFF
STRATFORD, CONNECTICUT
HRP# COO1000.RC
SCALE AS NOTED

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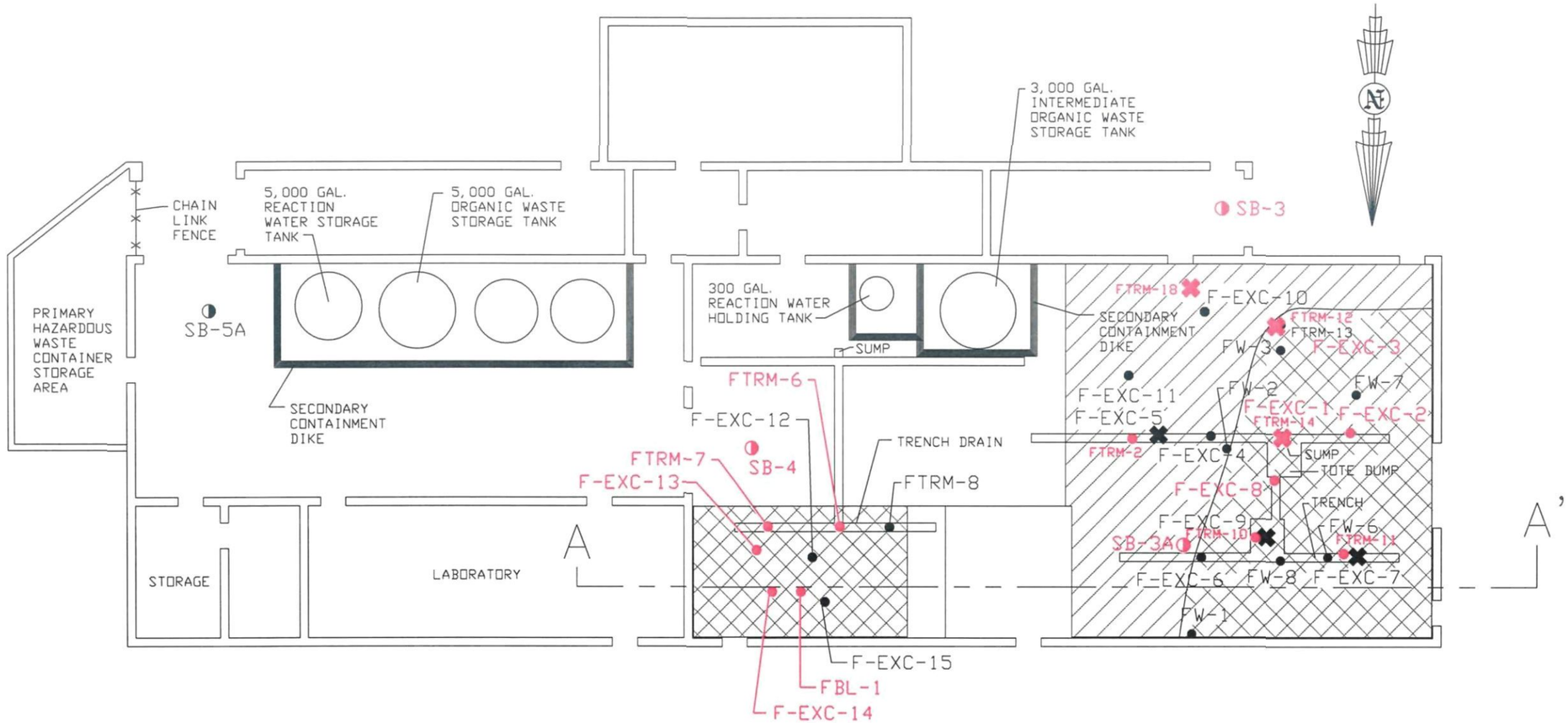

SCALE: 1"=15 ±

LEGEND

- ▽ – GROUNDWATER TABLE PER 6/95 SURVEY
- SB-# ● – CRA SUBSURFACE SAMPLING 5/95
- FTRM-# ● – HRP SAMPLING 10/10/97
- F-EXC-# ● – HRP SAMPLING 3/31/98
- SAMPLE # – SAMPLE W/EXCEEDENCE OF CT DEP STANDARDS
- FW-# ● – HRP SAMPLING 8/11/98
- * – OIL & GREASE RESULT
- ▨ – EXCAVATED AREA 0-2'
- ▩ – EXCAVATED AREA 2-6'

15 0 7.5 15

APPROXIMATE SCALE
(1" = 15')

FIGURE 18A
SOIL SAMPLE LOCATIONS
PLAN VIEW OF FRONT ROOM
FORMER SYNTHETIC PRODUCTS CO.
375 BARNUM AVENUE CUTOFF
STRATFORD, CONNECTICUT
HRP # COO1000.RC
SCALE 1" =15'±

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www.hrpassociates.com

J:\C\COOKD - COOKSON DISCONTINUED OPERATIONS GROUP\375 BARNUM AVENUE CUT -OFF, STRATFORD, CT\COO1000RC\CAD\FRONT ROOM.dwg,
5/3/2007 2:34:14 PM, \\HRP_FS1\RICOH Aficio 2228C PCL 5c

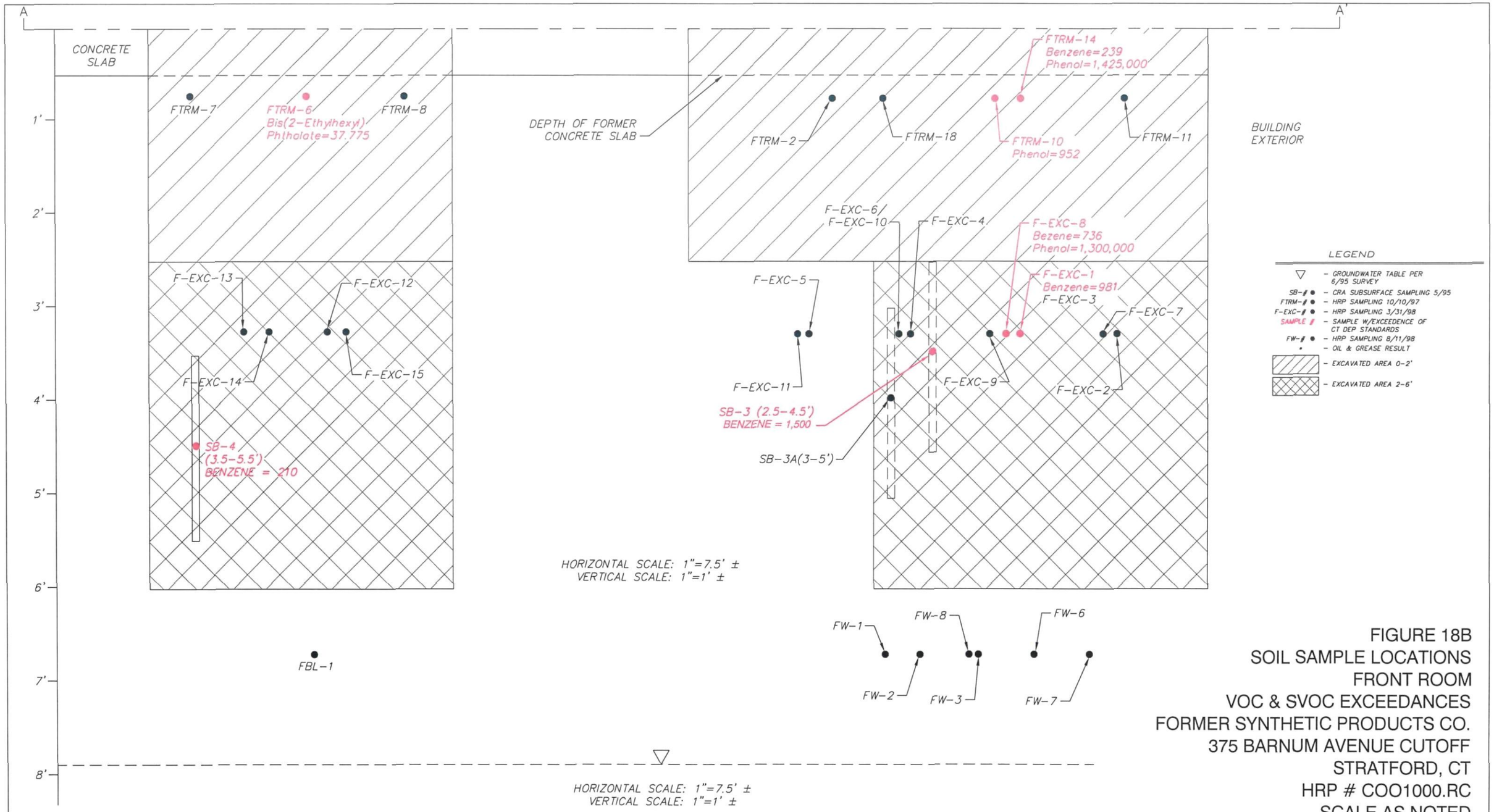

FIGURE 18B
SOIL SAMPLE LOCATIONS
FRONT ROOM
VOC & SVOC EXCEEDANCES
FORMER SYNTHETIC PRODUCTS CO.
375 BARNUM AVENUE CUTOFF
STRATFORD, CT
HRP # COO1000.RC
SCALE AS NOTED

1 0 .5 1
APPROXIMATE SCALE
(1" = 1')

7.5 0 3.75 7.5
APPROXIMATE SCALE
(1" = 7.5')

CONSTITUANT	RES DEC	I/C DEC	GB PMC
Bis (2-ethylhexyl)	44,000 ppb	410,000 ppb	11,000 ppb
BENZENE	21,000 ppb	200,000 ppb	200 ppb
PHENOL	1,000,000 ppb	2,500,000 ppb	8,000,000 ppb

NOTES: 1. SAMPLE RESULTS ARE IN PARTS PER BILLION (ppb)
2. ALL SAMPLE LOCATIONS ARE PROJECTED ON CROSS-SECTION TO SHOW VERTICAL DISTRIBUTION OF SAMPLING RESULTS.

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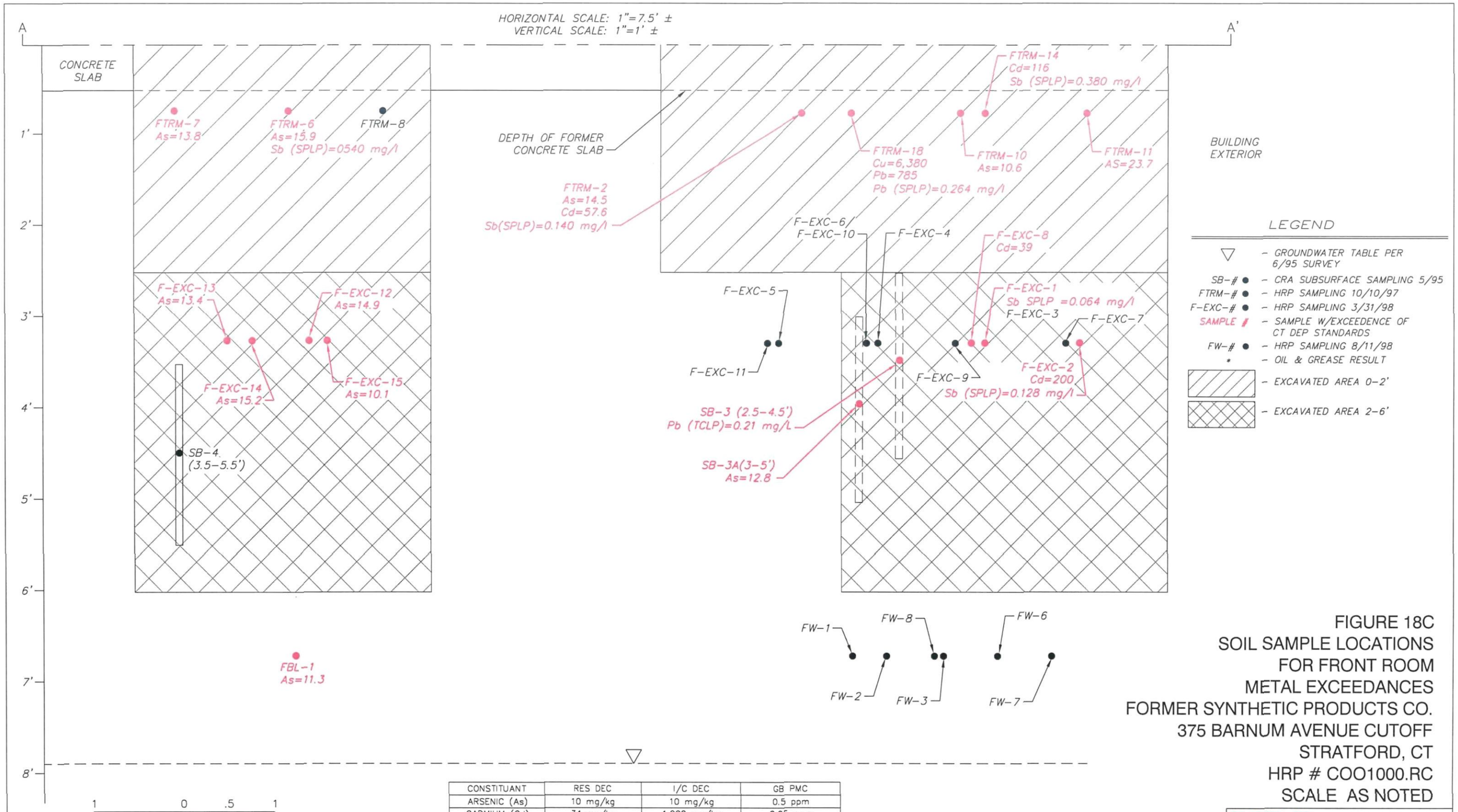
J:\C\COOKD - COOKSON DISCONTINUED OPERATIONS GROUP\375 BARNUM AVENUE CUT -OFF, STRATFORD, CT\COO1000RC\CAD\FRONT ROOM.dwg,
5/3/2007 2:34:43 PM, \\HRP_FS1\RICOH Aficio 2228C PCL 5c



CONSTITUANT	RES DEC	I/C DEC	GB PMC
ARSENIC (As)	10 mg/kg	10 mg/kg	0.5 ppm
CADMIUM (Cd)	34 mg/kg	1,000 mg/kg	0.05 ppm
LEAD (Pb)	500 mg/kg	1,000 mg/kg	0.15 ppm
ANTIMONY (Sb)	27 mg/kg	8,200 mg/kg	0.06 ppm
COPPER (Cu)	0.06 mg/l	76,000 mg/kg	13 ppm

NOTES:
1. ALL RESULTS ARE IN mg/kg UNLESS OTHERWISE NOTED.
2. TCLP & SPLP RESULTS ARE REPORTED IN MILLIGRAMS PER LITER (mg/l) LEACHATE, WHICH IS EFFECTIVELY EQUAL TO PARTS PER MILLION (ppm).
3. ALL SAMPLE LOCATIONS ARE PROJECTED ON CROSS-SECTION TO SHOW VERTICAL DISTRIBUTION OF SAMPLING RESULTS.

FIGURE 18C
SOIL SAMPLE LOCATIONS
FOR FRONT ROOM
METAL EXCEEDANCES
FORMER SYNTHETIC PRODUCTS CO.
375 BARNUM AVENUE CUTOFF
STRATFORD, CT
HRP # COO1000.RC
SCALE AS NOTED

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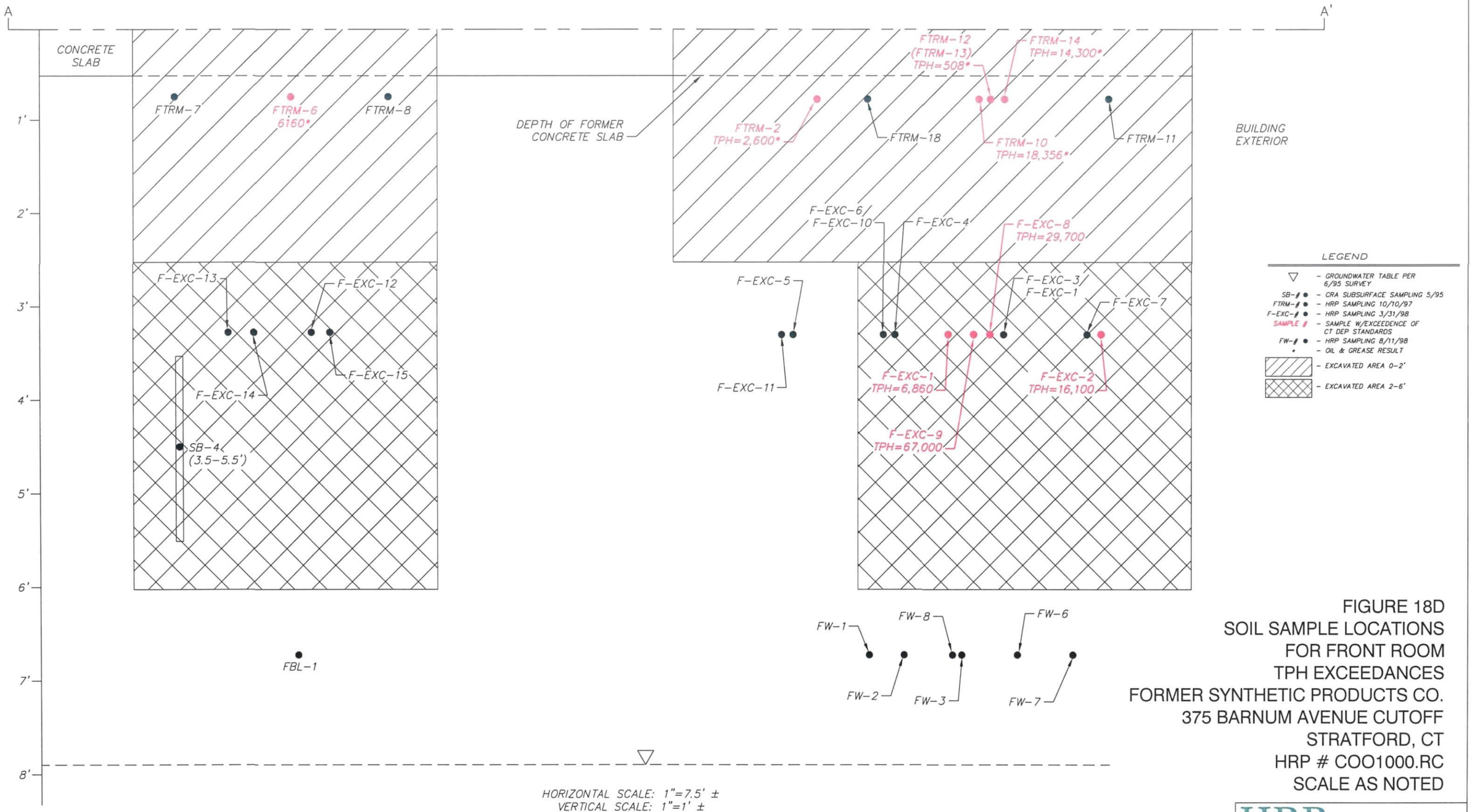
J:\C\COOKD - COOKSON DISCONTINUED OPERATIONS GROUP\375 BARNUM AVENUE CUT -OFF, STRATFORD, CT\COO1000RC\CAD\FRONT ROOM.dwg,
5/3/2007 2:34:23 PM, \\HRP_FS1\RICOH Aficio 2228C PCL 5c



CONSTITUANT	RES DEC	I/C DEC	GB PMC
TPH	500 ppm	2,500 ppm	2,500 ppm

NOTES:
1. TPH RESULTS ARE REPORTED IN PARTS PER MILLION (ppm).
2. ALL SAMPLE LOCATIONS ARE PROJECTED ON CROSS-SECTION TO SHOW VERTICAL DISTRIBUTION OF SAMPLING RESULTS.

FIGURE 18D
SOIL SAMPLE LOCATIONS
FOR FRONT ROOM
TPH EXCEEDANCES
FORMER SYNTHETIC PRODUCTS CO.
375 BARNUM AVENUE CUTOFF
STRATFORD, CT
HRP # COO1000.RC
SCALE AS NOTED

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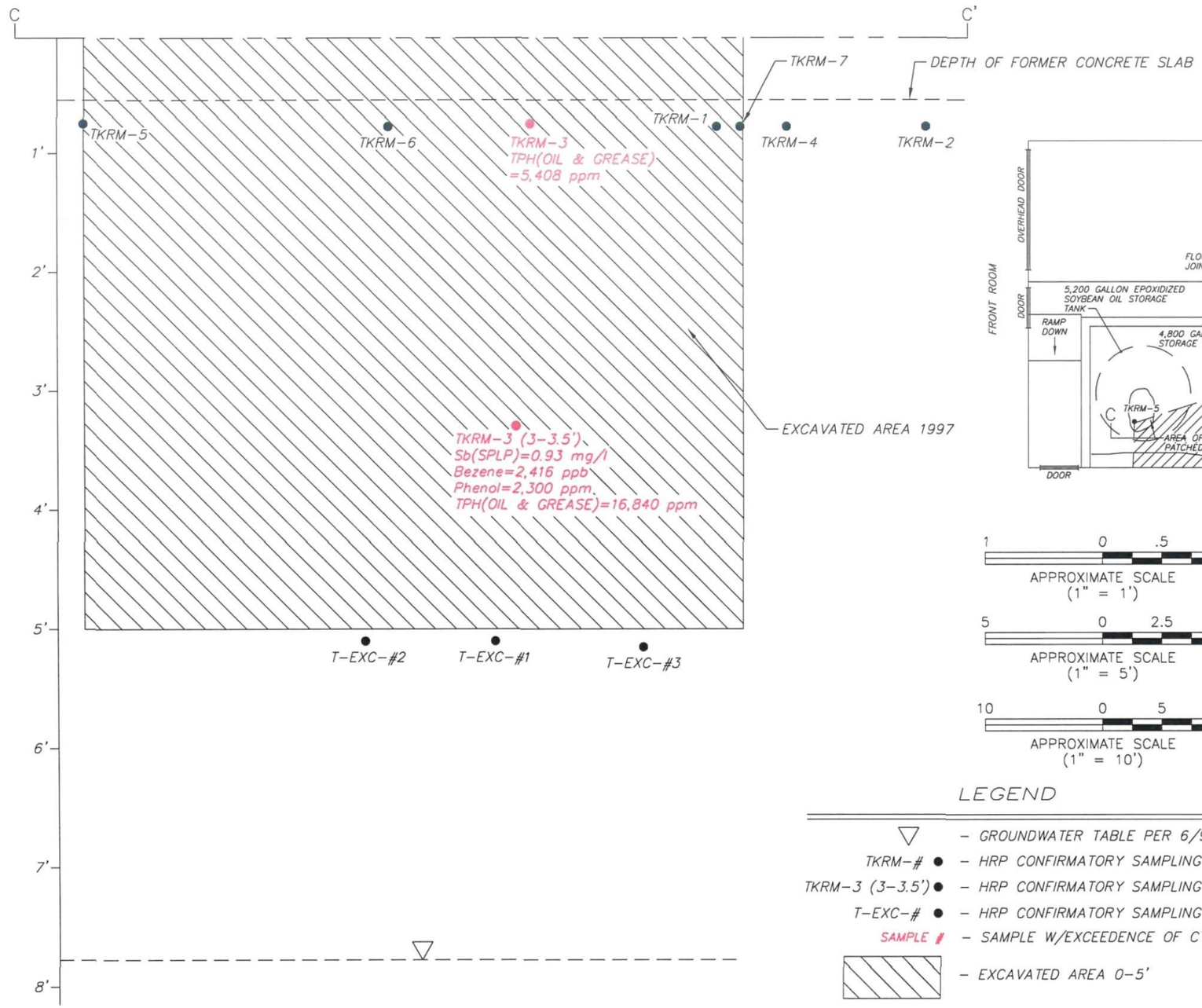
197 Scott Swamp Road
Farmington, Connecticut 06032
Ph:(860)674-9570 Fax:(860)674-9624
www.hrpassociates.com

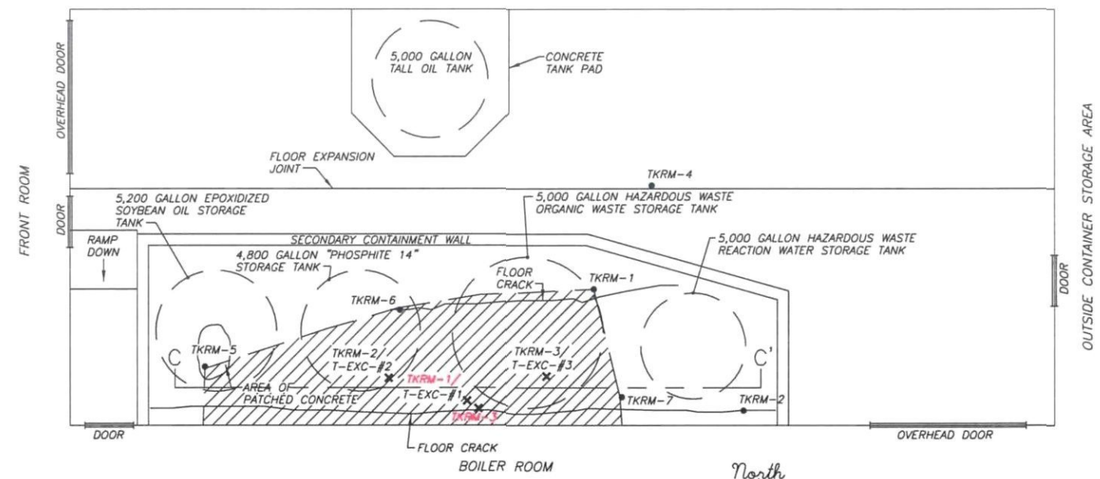
J:\C\COOKD - COOKSON DISCONTINUED OPERATIONS GROUP\375 BARNUM AVENUE CUT -OFF, STRATFORD, CT\COO1000RC\CAD\FRONT ROOM.dwg,
5/3/2007 2:34:35 PM, \\HRP_FS1\RICOH Aficio 2228C PCL 5c

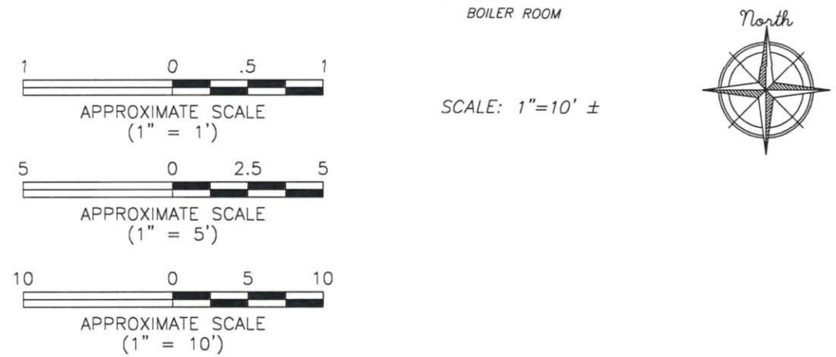
J:\C\COOKD - COOKSON DISCONTINUED OPERATIONS GROUP\375 BARNUM AVENUE CUT -OFF, STRATFORD, CT\C001000RC\CAD\BACK ROOM SAMPLING LOCATIONS
5/3/2007 2:33:49 PM, \\HRP_FS1\RICOH Aficio 2228C PCL 5c



HORIZONTAL SCALE: 1"=5' ±
VERTICAL SCALE: 1"=1' ±

CONSTITUANT	RES DEC	I/C DEC	GB PMC
ANTIMONY (Sb)	27 mg/kg	8,200 mg/kg	0.06 ppm
BENZENE	21,000 ppb	200,000 ppb	200 ppb
PHENOL	1,000 mg/kg	2,500 mg/kg	40 ppm
TPH	500 mg/kg	2,500 mg/kg	2,500 ppm





SCALE: 1"=10' ±

LEGEND

- ▽ – GROUNDWATER TABLE PER 6/95 SURVEY
- TKRM-# ● – HRP CONFIRMATORY SAMPLING 9/16/97
- TKRM-3 (3-3.5')● – HRP CONFIRMATORY SAMPLING 10/13/97
- T-EXC-# ● – HRP CONFIRMATORY SAMPLING 3/31/98
- SAMPLE # – SAMPLE W/EXCEEDENCE OF CT DEP STANDARDS
- ▨ – EXCAVATED AREA 0-5'

NOTES:
1. "ppb" INDICATES PARTS PER BILLION.
2. SPLP RESULTS ARE REPORTED IN MILLIGRAMS PER LITER (mg/l) LEACHATE, WHICH IS EFFECTIVELY EQUAL TO PARTS PER MILLION (ppm).
3. ALL SAMPLE LOCATIONS ARE PROJECTED ON CROSS-SECTION TO SHOW VERTICAL DISTRIBUTION OF SAMPLING RESULTS.

FIGURE 19
SOIL SAMPLE LOCATIONS
BACK ROOM
FORMER SYNTHETIC PRODUCTS CO.
375 BARNUM AVENUE CUTOFF
STRATFORD, CT
HRP # COO1000.RC
SCALE AS NOTED

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Farmington, Connecticut 06032
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APPENDIX K

HAZARDOUS WASTE MANIFESTS FOR LAST SHIPMENTS

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM, State Office Building
Hartford, CT 06106

Please type (or print). (Form designed for use on elite (12-pitch) typewriter.)

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CTD008443650 Manifest Document No. 00026

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address SYNTHETIC PRODUCTS CORP
375 BARNUM CUTOFF
STRATFORD, CT 06497

4. Generator's Phone (203) 377-2232

A. State Manifest Document Number CT F 0165434

B. G.S.I. (Gen. Site Address) SAME

5. Transporter 1 Company Name S-J TRANSPORTATION CO.

6. US EPA ID Number NJD071629976

C. S.T.I. (Trans. Lic. Plate #) 320 TRT (NJ)

D. Tran. Phone (609) 769-2741

7. Transporter 2 Company Name

8. US EPA ID Number

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

9. Designated Facility Name and Site Address
WASTE TECHNOLOGIES INDUSTRIES
1250 SAINT GEORGE STREET
EAST LIVERPOOL, OH 43920

10. US EPA ID Number OHD980613541

G. State Facility's ID (Not Required)

H. Facility's Phone (330) 385-7337

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. RQ HAZARDOUS WASTE,LIQUID,N.O.S.,9,NA3082,PG III (CADMIUM,BARIUM),(D005,D006)	001	TT	04017	G	EPA D005,D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. L DL35145/SPS0020
b.

K. Handling Codes for Wastes Listed Above
a. S03
b.

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE 203-377-5550

T09914 AA5576 NJ

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Louis Mahmood — Signature: [signature] — Month Day Year: 10 28 96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Ernest Powell — Signature: Ernest Powell — Month Day Year: 10 28 96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space
150 GAL, UNPUMPABLE, RETURN TO GENERATOR

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Richard C. Bettis — Signature: Richard C Bettis — Month Day Year: 10 29 96

GENERATOR — TRANSPORTER — FACILITY

COPY 3: FACILITY TO GENERATOR

CT F 0165434

PA Form 8700-22 (Rev. 9/91) Form Approved OMB No.2050-0039. Expires 9/30/94. Previous edition is obsolete.

RECEIVED NOV - 7 1996

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Land Recycling and Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

2500-FM-LRW0051 REV. 11/95

Form approved. OMB No. 2050-0039 Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CTD008443655 — Manifest Document No. 52606

2. Page 1 of 1

Information within the blue border is not required by Federal law but may be required by State law.

3. Generator's Name and Mailing Address
SYNTHETIC PRODUCTS CORP
375 BARNUM CUTOFF
STRATFORD CT 06497

4. Generator's Phone (203) 377-2232

A. State Manifest Document Number: PAE 6252606

B. State Gen. ID: SAME

5. Transporter 1 Company Name: S-J TRANSPORTATION CO

6. US EPA ID Number: NJD071629976

C. State Trans. ID: PA-AH 0015

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 769-2741

E. State Trans. ID: PA-AH

9. Designated Facility Name and Site Address
REPUBLIC ENV SYS (PA), INC.
2869 SANDSTONE DRIVE
HATFIELD PA 19440

10. US EPA ID Number: PAD085590592

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (215) 822-8995

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ HAZARDOUS WASTE, LIQUID, N.O.S., 9, NA3082, PG III, (BARIUM, CADMIUM), (D005)*	01	TT	150	G	D005
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

	Lab Pack	Physical State		Lab Pack	Physical State
a.		SL AL35145	c.		
b.			d.		

K. Handling Codes for Wastes Listed Above: a. SO2 c. b. d.

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE

11A- D006

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: JAMES LAPINSKI — Signature: ON BEHALF OF SYNTHETIC PRODUCTS — Month Day Year: 10 29 96

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: John M Bonsall - Per S-S — Signature: Per S-S — Month Day Year: 10 29 96

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space
13. Actual weight 28770

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: DAVID Stotsenburgh — Signature — Month Day Year: 10 29 96

GENERATOR — TRANSPORTER — FACILITY

PAE 6252606

PA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

Copy 5 - TSD Facility: Mail to Generator
(PA) 405430 1/1

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5

State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

9835/8 (5)

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. 0 0 0 0 0 0 8 4 4 3 0 3 — Manifest Document No. 0 0 0 2 — 2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SYNTHETIC PRODUCTS CO.
375 BARNUM AVE. CUT-OFF STRATFORD, CT. 06497

4. Generator's Phone (203) 377-5550

A. State Manifest Document Number **NJA 2616776**

B. State Generator's ID (Gen. Site Address)

5. Transporter 1 Company Name: SEALAND ENVIRONMENTAL SERVICES — 6. US EPA ID Number: C T D 9 8 3 8 7 2 7 4 8

C. State Trans. ID NJDEPE: 0 0 5 2 7 4 — Decal No.

7. Transporter 2 Company Name — 8. US EPA ID Number

D. Transporter's Phone (203) 735-2017

E. State Trans. ID NJDEPE — Decal No.

9. Designated Facility Name and Site Address
E. I. DUPONT
ROUTE 130 CHAMBERS WORKS
DEEPWATER, NJ. 08023

10. US EPA ID Number: N J D 0 0 2 3 8 5 7 3 0

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (609) 540-6113

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X	RQ,HAZARDOUS WASTE LIQUID,N.O.S.,9,NA3082, PGIII,(CONTAINS D005 BARIUM AND D006 CADMIUM.)	001	TM	0425	P	D005
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
LIQUID WITH: TOTAL TA nil, CD nil, ZN nil.

K. Handling Codes for Wastes Listed Above
a. T1 b. c. d.

15. Special Handling Instructions and Additional Information
CONTRACT# CW 09835-008
ERG# 31
IN CASE OF EMERGENCY CALL 203-377-5550 CT HW 162

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: LOUIS MAHMOOD — Signature — Month Day Year: 6 6 6 6 6 6

GENERATOR

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Shawn McCabe — Signature — Month Day Year: 6 6 6 6 6 6

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

TRANSPORTER

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year

FACILITY

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

APPENDIX L

1997 HAZARDOUS WASTE MANIFESTS
FOR LAST SHIPMENTS FROM BARNUM AVENUE FACILITY

P.O. Box 8550
Harrisburg, PA 17105-8550

Form approved.
OMB No. 2050-0039
Expires 9-30-96

)-FM-LRWM0051 REV. 11/95

OFFICIAL PENNSYLVANIA MANIFEST FORM

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CT0000844365 — Manifest Document No. 00003
2. Page 1 of 1
Information within the blue border is not required by Federal law but may be required by State law.

3. Generator's Name and Mailing Address
SYNTHETIC PRODUCTS CORP
375 DARNUM CUTOFF
STRATFORD CT 06497
4. Generator's Phone (203) 377-2232

A. State Manifest Document Number PAE 6503066
B. State Gen. ID SAME
C. State Trans. ID

5. Transporter 1 Company Name: REPUBLIC ENV SYS (TRANS GROUP)
6. US EPA ID Number: PAD982661381
C. State Trans. ID: PA-AH 0317

7. Transporter 2 Company Name
8. US EPA ID Number
D. Transporter's Phone (215) 822-2676
E. State Trans. ID: PA-AH

9. Designated Facility Name and Site Address
REPUBLIC ENV SYS (PA), INC.
2869 SANDSTONE DRIVE
HATFIELD PA 19440
10. US EPA ID Number: PAD085690592
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone (215) 822-8995

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	
HAZARDOUS WASTE, LIQUID, N.O.S.,9,NA3082, PG III,(BARIUM,CADMIUM),(D005)*	XX4	DM	X220	G	D005	X
WASTE PAINT RELATED MATERIAL,3,UN1263,PG II,(D001)	XX6	DM	X330	G	D001	X
RQ HAZARDOUS WASTE, SOLID, N.O.S.,9,NA3077, PG III,(BARIUM,CADMIUM),(D005)*	X18	DM	X9816	P	D005	X
CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.,8, UN3266,PG III,(CALCIUM HYDROXIDE)	X25	DM	X11761	P	N/A	X

J. Additional Descriptions for Materials Listed Above

Lab Pack	Physical State	Lab Pack	Physical State	K. Handling Codes for Wastes Listed Above	
a. [ ]	[ ] WD45617	c. [ ]	[ ] WD35840	a. S01	c. S01
b. [ ]	[ ] AD46036	d. [ ]	[ ] WD46276	b. S01	d. S01

L. Special Handling Instructions and Additional Information
EMERGENCY PHONE 202-386-1090
11A- D006
11C- D006

M. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: LOUIS MAHMOUD — Signature — MONTH 04 DAY 30 YEAR 97

Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JOSEPH D. KAUFFMAN — Signature — MONTH 04 DAY 30 YEAR 97

Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — MONTH DAY YEAR

Discrepancy Indication Space

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: ROCCO A. LAFYT — Signature — MONTH 05 DAY 01 YEAR 97

PAE 6503066

n 8700-22 (Rev. 9/88) Previous editions are obsolete

Copy 5 - TSD Facility: Mail to Generator
(PA) 409168 1/1

5

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Land Recycling and Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550

Form approved.
OMB No. 2050-0039

2500-FM-LRW0051 REV. 12/96

OFFICIAL PENNSYLVANIA MANIFEST FORM

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. T D 0 0 8 4 4 3 6 5 — Manifest Document No. 00004

2. Page 1 of 1

Information within the blue border is not required by Federal law but may be required by State law.

3. Generator's Name and Mailing Address
SYNTHETIC PRODUCTS CORP
375 BARNUM CUTOFF
STRATFORD CT 06497

4. Generator's Phone (203) 377-2232

A. State Manifest Document Number: PAE 8310746

B. State Gen. ID: SAME

5. Transporter 1 Company Name: REPUBLIC ENV SYS (TRANS GROUP)

6. US EPA ID Number: P A D 9 8 2 6 6 1 3 8 1

C. State Trans. ID: PA-AH 0 3 1 7

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone: (215) 822-2676

E. State Trans. ID: PA-AH

9. Designated Facility Name and Site Address
REPUBLIC ENV SYS (PA), INC.
2869 SANDSTONE DRIVE
HATFIELD PA 19440

10. US EPA ID Number: P A D 0 8 5 6 9 0 5 9 2

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone: (215) 822-8995

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	
a. HAZARDOUS WASTE, LIQUID, N.O.S., 9, NA3082, PG III, (BARIUM, CADMIUM), (D005)*	X30	DM	X 1,650	G	D005	X
b. CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., 8, UN3266, PG III, (CALCIUM HYDROXIDE)	XX5	DM	X 2,180	P	N/A	X
c. RQ HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, PG III, (BARIUM, CADMIUM), (D005)*	XX11	DM	X 5,441	P	D005	X
d.						

J. Additional Descriptions for Materials Listed Above

	Lab Pack	Physical State		Lab Pack	Physical State	K. Handling Codes for Wastes Listed Above	
a.		1	WD45617	c.	S WD35840	a. S01	c. S01
b.		9	WD46276	d.		b. S01	d.

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE: 203 377 2232

11A- D006

11C- D006

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
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Printed/Typed Name: LOUIS MAHMOUD — Signature — MONTH DAY YEAR 09 03 97

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: GEORGE VERMOUS — Signature — MONTH DAY YEAR 09 03 97

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — MONTH DAY YEAR

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: ROCCO A LABUT — Signature — MONTH DAY YEAR 09 06 97

PAE 8310746

Form 8700-22 (Rev. 9/88) Previous editions are obsolete

Copy 5 - TSD Facility Mail to Generator

5

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Land Recycling and Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved. OMB No. 2050-0039

WM0051 REV. 12/96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CLD008443655 — Manifest Document No. 00005
2. Page 1 of 1
Information within the blue border is not required by Federal law but may be required by State law.

3. Generator's Name and Mailing Address: SYNTHETIC PRODUCTS CORP, 375 BARNUM CUTOFF, STRATFORD CT 06497
4. Generator's Phone (203) 377-2232

A. State Manifest Document Number: PAE 8576105
B. State Gen. ID: SAME

5. Transporter 1 Company Name: REPUBLIC ENV SYS (TRANS GROUP)
6. US EPA ID Number: PAD982661381
C. State Trans. ID: PA-AH 0317
D. Transporter's Phone (215) 822-2676

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Trans. ID: PA-AH
F. Transporter's Phone

9. Designated Facility Name and Site Address: REPUBLIC ENV SYS (PA), INC., 2869 SANDSTONE DRIVE, HATFIELD PA 19440
10. US EPA ID Number: PAD085690592
G. State Facility's ID
H. Facility's Phone (215) 822-8995

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, LIQUID, N.O.S., 9, NA3082, PG III, (BARIUM, CADMIUM), (D005)*	XX9	DM	XX495	G	D005
b. RQ HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, PG III, (BARIUM, CADMIUM), (D005)*	XX7	DM	X3996	P	D005
c.					
d.					

J. Additional Descriptions for Materials Listed Above

	Lab Pack	Physical State		Lab Pack	Physical State
a.		1	WD45617	c.	
b.		1	WD35840	d.	

K. Handling Codes for Wastes Listed Above: a. S01 b. S01 c. d.

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE 203 377 2232

11A- D006
11B- D006

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
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Printed/Typed Name: LOUIS MAHMOOD — Signature — Month 12 Day 04 Year 97

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: GEORGE CULLINS — Signature — Month 12 Day 04 Year 97

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: Stephen Nulty — Signature — Month 12 Day 08 Year 97

GENERATOR
TRANSPORTER
FACILITY

PAE 8576105

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

Copy 5 / TSD Facility: Mail to Generator

5

Bureau of Land Recycling and Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved.
OMB No. 2050-0039

00-FM-LRWM0051 REV. 12/96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CTD008443650 — Manifest Document No. 00006

2. Page 1 of 2

Information within the blue border is not required by Federal law but may be required by State law.

3. Generator's Name and Mailing Address
SYNTHETIC PRODUCTS
375 BARNUM CUTOFF
STRATFORD CT 06497

4. Generator's Phone (203) 386-1090

A. State Manifest Document Number: PAE 8566666

B. State Gen. ID: SAME

5. Transporter 1 Company Name: REPUBLIC ENV. SYS. (TRANS. GROUP)
6. US EPA ID Number: PAD982661381

C. State Trans. ID: PA-AH 0317

7. Transporter 2 Company Name
8. US EPA ID Number

D. Transporter's Phone (215) 822-2676

E. State Trans. ID: PA-AH

9. Designated Facility Name and Site Address
REPUBLIC ENV. SYS. (PA) INC.
2869 SANDSTONE DRIVE
HATFIELD PA 19440
10. US EPA ID Number: PAD085690592

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (215) 822-8995

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS, 3, UN1993, PG II (D001 U031 U213 U220) (BUTYL ALCOHOL, TOLUENE)	XX1	DF	XX120	P	U031 * D001
b. WASTE PESTICIDES, SOLID, TOXIC, NOS, 6.1, UN 2588, PG III (U381) (SODIUM DETHYLDITHIOCARBAMATE)	XX1	DF	XXXX6	P	U381
c. WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S, 8, UN3264, PG II (D002) (SULFURIC ACID, HYDROCHLORIC ACID)	XX1	DF	XXXX9	P	D002
d. WASTE CORROSIVE LIQUID, BASIC, INORGANIC, NOS, 8, UN3266, PG II (D002) (AMMONIUM HYDROXIDE SOLUTION)	XX1	DF	XXX70	P	D002

J. Additional Descriptions for Materials Listed Above

	Lab Pack	Physical State		Lab Pack	Physical State
a.	X	L I,T * U213 U220	c.	X	L C
b.	X	S T	d.	X	L C

K. Handling Codes for Wastes Listed Above

a. S01 c. S01
b. S01 d. S01

15. Special Handling Instructions and Additional Information
LP6616
T-118
EMERGENCY PHONE # (203) 386-1090
a. #1
b. #7
c. #6
d. #2

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
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Printed/Typed Name: LOUIS MAHMOUD — Signature — MONTH 12 DAY 22 YEAR 97

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BRYAN J ORDWAY — Signature — MONTH 12 DAY 22 YEAR 97

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — MONTH DAY YEAR

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: BOB BENAMATI — Signature — MONTH 12 DAY 24 YEAR 97

PAE 8566666

Form 8700-22 (Rev. 9/88) Previous editions are obsolete

Copy 1 TSD Facility: Mail to Destination State

1

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) (401) 277-2797 Form Approved. OMB No. 2050-0039 Expired 9/30/99

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CTD000844365 Manifest Document No. 00087
2. Page 1 of 1
Information in the shaded areas is not required by Federal law, but may be required by state law.

3. Generator's Name and Mailing Address: SYNTHETIC PRODUCTS, 375 BARNUM CUTOFF, STRATFORD, CT 06497
4. Generator's Phone (203) 386-1090
5. Transporter 1 Company Name: REPUBLIC ENV. SYS. (TRANS GRP)
6. US EPA ID Number: PAD982661381
7. Transporter 2 Company Name: REPUBLIC ENV. SYS. (TRANS GRP)
8. US EPA ID Number: PAD982661381
9. Designated Facility Name and Site Address: NORTHLAND ENVIRONMENTAL INC, 275 ALLENS AVE, PROVIDENCE, RI. 02905-5003
10. US EPA ID Number: RID040098352

A. State Manifest Document Number: RIS 0014103
B. Generator/Site Address: SAME
C. State Transporter ID/License Plate: 031 T / RE-5-71 / 1/15/97
D. Transporter's Phone: (215) 822-2676
E. State Transporter ID/License Plate: RE-5-71
F. Transporter's Phone: (215) 822-2676
G. Facility Mailing Address:
H. Facility's Phone: (410) 781-0340

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. WASTE HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS, 5.1, UN2014, II (D001, D002)	XX1	DF	XXX6	P	D002 D001
b. WASTE POTASSIUM PERMANGANATE SOLUTION, 5.1, UN1490, II (D001)	XX1	DF	XXX13	P	D001
c. WASTE CORROSIVE LIQ'D, FLAMMABLE NOS, 8, UN2920, II (GLACIAL ACETIC ACID, ACETIC ACID ~40%) (D001 D002)	XX1	DF	XXX19	P	D002 D001
d. WASTE NITRIC ACID, 8, UN2031, II (D002)	XX1	DF	XXX14	P	D002

J. Additional Descriptions for Materials Listed Above
a. L, I, C b. L, I
c. L, I, C d. L, C

K. Handling Codes for Wastes Listed Above
a. 501 b. c. d.

15. Special Handling Instructions and Additional Information 2P6010
11a#10 11c#5 11b#9 11d#8 PROFILE #36920
EMERGENCY PHONE (203) 386-1090

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
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Printed/Typed Name: R. LOUIS MAHMOOD Signature: [signature] Date: Month 12 Day 22 Year 97

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BRYAN J ORDWAY Signature: [signature] Date: Month 12 Day 22 Year 97

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: JOSEPH D KOVACH Signature: [signature] Date: Month 12 Day 29 Year 97

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: ROBERT GEORGE Signature: [signature] Date: Month 12 Day 29 Year 97

Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

GENERATOR

COPY 3: Facility Mails To Generator

ALL 8 COPIES MUST BE LEGIBLE!!

RIS 0014103

APPENDIX M

LETTER TO CT DEP DATED MAY 20, 1997
SUBMISSION OF CLOSURE PLAN VOLUME I

HRP ASSOCIATES, INC.

Environmental/Civil Engineering & Hydrogeology

May 20, 1997

CERTIFIED MAIL

Mr. George Dews
Connecticut Department of Environmental Protection
Bureau of Waste Management - WEED
79 Elm Street
Hartford, Connecticut 06106

RE: SUBMISSION OF CLOSURE PLAN - VOLUME I FOR FOUR >90-DAY HAZARDOUS WASTE STORAGE AREAS AT FORMER SYNTHETIC PRODUCTS COMPANY FACILITY, 375 BARNUM AVENUE CUT-OFF, STRATFORD, CONNECTICUT (HRP #SPC-0002.RC)

Dear Mr. Dews:

On behalf of SPC Divestitures, Inc., HRP Associates, Inc. is submitting the enclosed document entitled, "Closure Plan - Volume I for Two >90-Day Hazardous Waste Container Storage Areas and Two >90-Day Hazardous Waste Storage Tanks". This Closure Plan details the work to be completed to close four (4) storage areas in accordance with 40 CFR 265.111 through 265.115, and Section 22a-449(c)-105 of the State of Connecticut Hazardous Waste Regulations. The facility subject to closure is the former Synthetic Products Company located at 375 Barnum Avenue Cut-Off in Stratford, Connecticut. The EPA I.D. Number of the facility is CTD000844365. It is important to note that SPC ceased operations at this site in November 1996.

Please note that SPC Divestitures, Inc. would like to begin the RCRA closure work outlined in the Closure Plan within 45 days, since Synthetic Products Company Division of Cookson America, Inc. is no longer an entity. SPC Divestitures is requesting a meeting with you or a representative from your office to discuss the Closure Plan and the possibility of proceeding with closure "at-risk", if your office does not have sufficient personnel to oversee the closure.

Following your receipt of this Closure Plan, please call either Mark Possidento or me at (860) 793-6899 to discuss proceeding with the closure of the regulated units.

Sincerely yours,

HRP ASSOCIATES, INC.

Christopher R. Shepard
Senior Project Engineer

Enclosure
CRS/db
cc: James J. Kalanta, SPC Divestitures, Inc.
Steve Schroeder, Cookson America

e/crs/spc0002.rc

167 New Britain Avenue, Plainville, CT 06062 • (800) 246-9021 • (860) 793-6899 • FAX (860) 793-6871
Office Locations: Connecticut • New York • South Carolina

APPENDIX N

MARCH 16, 1998 AND MAY 24, 1999, RCRA CLOSURE PLAN PART I COMMENTS FROM CT DEP

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

MAR 19 1998

March 16 1998

James J Kalanta
SPC Diversities, Inc.
PO Box 262
Stratford, Connecticut 06497

Re: RCRA Closure Plan Part 1 - Former Synthetic Products Company Division 375 Barnum Avenue Cutoff, Stratford, CT
EPA No. CTD000844365

Dear Mr. Kalanta:

The Connecticut Department of Environmental Protection (CTDEP) has reviewed the report entitled Closure Plan Volume I for Two >90 Day Hazardous Waste Container Storage Areas and Two >90 Day Hazardous Waste Storage Tanks Former Synthetic Products Company 375 Barnum Avenue Cut-off Stratford, Connecticut, submitted by HRP Associates, dated May 1997. Based on this review the comments listed below were generated.

1. Based on review of the Part A Applications, the site visit and telephone discussions with HRP Associates, the closure plan should be revised to address closure of all of the regulated units identified on the Part A submittals, including: CSA I (listed on 1980 Part A), CSA II (listed on 1980 Part A), Primary Storage Area (listed on 1984 Part A), Secondary Storage Area (listed on 1984 Part A), 5,000-gallon Organic Waste Tank (listed on 1986 Part A), 5,000-gallon Organic Hazardous Waste Tank (listed on 1986 Part A), 3,000-gallon Intermediate Hazardous Waste Tank (listed on 1986 Part A), 1,200-gallon Reactor Tank (listed on 1986 Part A), Leach field (listed on 1980 Part A) and Ancillary Equipment including trenches, sumps, piping and the 300-gallon reaction water tank. Although some of these areas no longer exist, in accordance with 40 Code of Federal Regulations (CFR) part 265 Subpart G and the Regulations of Connecticut State Agencies (RCSA) 22a-449c -104, these units are required to go through the closure process including submittal of a closure plan and public notice.

2. The closure plan states that from 1979 to 1984 a 4,300-gallon tanker truck was used to store hazardous waste water. In 1984, this tanker was replaced with the two 5,000-gallon tanks that are listed on the 1986 Part A. Please review the records for the tanker and make a determination as to whether this is a regulated unit. This discussion should be included in the revised Part 1.

3. The constituents of concern (COC) list should include a review of facility records including Material Safety Data Sheets for all materials stored on-site, present and historic manufacturing records, waste analysis records at the facility and wastes or materials sent to off-site facilities, groundwater monitoring parameters and permits. Please document all of the sources reviewed and add all appropriate parameters. Modify Table 3 - Constituents of Concern and Media Closure Criteria - Hazardous Waste Container Storage Areas accordingly.

4. In accordance with the closure guidance, sample locations for Appendix IX volatile organics should be judgmental. Sample locations for Appendix IX metals, semi-volatiles and inorganics should be random and judgmental based on areas of visual or suspected contamination. Parameters detected in the Appendix IX analysis must be added to the COC list.

5. In Section 2.2, please describe the condition of the primary storage area including whether there are any gaps or cracks between the floor and the berms, the condition of the floor and the condition of the berm. State the capacity of the containers stored in this area.

6. Please provide discussion of any reported spills involving any of the regulated units being closed.

7. Revise section 3.4.2 Subsurface Contamination Beneath the Concrete Bases to describe the removal of the concrete and soil samples taken. Notate soil sample locations that coincide with any cracks or gaps in the concrete bases.

8. Please submit a plan to characterize the building walls next to where the tanks were formerly located. This plan should include characterization up the wall to at least the height of the former tank that was stored in that area.

Please submit a revised Part 1 in conjunction with the Part 2 of the closure plan. The revised Part 1 should address all of the issues presented in this letter as well as an up to date description of the work conducted on-site. If you have any questions please call me at (860) 424-3372.

Sincerely,

Sandra Brunelli

Sandra L Brunelli
Environmental Analyst 3
Waste Engineering and Enforcement Division
Bureau of Waste Management

c: Chris Shepard - HRP Associates
Marc Cassler - GeoQuest
William Coleman - CTDEP

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

May 24, 1999

RECEIVED
MAY 26 1999
HRP ASSOCIATES, INC.

Mr. James J. Kalanta
SPC DIVESTITURES, INC.
22 Hedgefield Court
Orange, CT 06477

RE: EPA I.D. No. CTD000844365/Former SYNTHETIC PRODUCTS COMPANY Closure Plan Part 1 for Two RCRA Hazardous Waste Container Storage Areas and One Storage Tank, Comments

Dear Mr. Kalanta:

The Closure Plan Part 1 dated May, 1997, for the former Synthetic Products Company, located at 375 Barnum Avenue, in Stratford, Connecticut, has been reviewed and found to be incomplete pursuant to section 22a-449(c)-105 of the Regulations of Connecticut State Agencies (RCSA). To assist you in preparing a revised Part 1 we are providing you with the attached comments.

Please prepare a separate document that summarizes the plan revisions. This summary should direct the reviewer to the page and section of the plan where each comment in the attachment is addressed. If the revision consists of replacement pages each such page must include the revision date.

Please submit your revised Part 1 no later than 30 days from the receipt of this letter.

If you have any questions concerning this letter and comments you may call me at (860) 424-3574.

Sincerely,

Marina Crawford

Marina Crawford
Sanitary Engineer III
Waste Engineering and
Enforcement Division

cc: David Lim - EPA New England
Richard McFee - HRP Associates Inc.

SYNTHETIC PRODUCTS COMPANY
STRATFORD, CONNECTICUT
EPA ID No. CTD000844365

REVIEW OF CLOSURE PLAN SUBMISSIONS

The RCRA Closure Part I approach for the closure of two greater than 90 day Hazardous Waste Storage Areas and two greater than 90 day Hazardous Waste Storage Tanks at the former Synthetic Products Company, now the responsibility of SPC Divestitures, Inc., was reviewed. HRP Associates, Inc. (HRP) submitted, on the behalf of SPC Divestitures, Inc., five pieces of correspondence regarding the reported closure of these four storage units: Volume 1 (May 20, 1997), Decision to Proceed at Risk (May 20, 1997), Update I (October 7, 1997), Follow-Up (November 7, 1997) and Update II (June 10, 1998). These five documents are the basis of this review. As stated in the May 20, 1997 submittal, closure was conducted "at-risk."

Based on the ownership history of the facility, obtaining accurate information to respond to the following comments may be difficult based on the information available in the facility files. Therefore, it is recommended that the State of Connecticut files be reviewed by facility representatives to ensure that the most accurate and complete information is used to develop the Closure Plan submitted in response to these comments.

GENERAL COMMENTS

1. The information included in the Closure Plan in Section 1.3, Facility Operations, and Section 2.0, Description of Regulated Units, lists the manufacturing operations conducted on-site, generally describes the wastes generated, and identifies four regulated units that are to be addressed under the Closure Plan. (The Primary and Secondary Container Storage Areas along with two tanks were identified as regulated units to be closed in the cover letter, but three tanks instead of two were identified as regulated units requiring closure in Section 2 - two 5,000 gallon tanks and one 3,000 gallon tank.) Based on this information and the information contained in the November 14, 1980, June 22, 1984, and October 3, 1986 Part A Applications, the following potential hazardous waste management areas, which may be subject to RCRA closure requirements, were identified (the page numbers cited below are from Volume 1):

    a. Two container storage areas, noted as Storage Areas I and II in the November 14, 1980, Part A Permit Application, with a 10,000 gallon capacity for D001 and D002 wastes, as discussed on pages 3 and 19;

    b. The septic tank and associated leach field that were used to manage the pH-adjusted floor spills and rinse waters until 1979, as discussed on page 7;

c. Two container storage areas, noted as Primary (Parcel A) and Secondary (Parcel B), were identified in the June 22, 1984 and October 3, 1986 Part A Permit Applications, and on Pages 3, 22, and 26, with a total 5,000 gallon capacity for D005 and D006 wastes;

d. Ancillary piping associated with removing the reaction water vapor (D005 and D006 waste) to the 300 gallon stainless steel intermediate storage tank, and piping associated with the secondary transfer of the water from the 300 gallon tank to the 5,000 gallon wastewater storage tank that are identified on pages 8 and 25 as being used since 1984;

Ancillary piping associated with reaction vessel cleaning wastes transferred to the 3,000 gallon intermediate holding tank, with subsequent transfer to the 5,000 gallon "organic" waste storage tank as discussed on page 22;

e. The 300 gallon reaction water intermediate storage tank that managed D005 and D006 wastes identified on pages 8 and 24;

f. The 5,000 gallon wastewater storage tank that managed D005 and D006 wastes identified on pages 8 and 26;

g. The 3,000 gallon intermediate holding tank for reaction tank cleaning fluids, used since 1984, as indicated on pages 9 and 22, for management of D005 and D006 wastes;

h. The 5,000 gallon organic waste storage tank identified on pages 8 and 25;

i. The 1,200 gallon former reactor vessel (R-1) that was used as an intermediate hazardous waste storage tank from 1986 to 1994, when it was converted back to a reaction vessel as identified on page 24; and

j. Associated floor trenching and sumps discussed on page 27.

Each of these areas may need to be addressed by this Closure Plan, as originally stated in the Department of Environmental Protection's (DEP's) March 1998 comments (Comment No. 1). If the units identified above are RCRA-regulated, then these waste management areas/units are required to go through the closure process including submittal of a closure plan and public notice. Some of the units listed above may be duplicative units, but based on the Closure Plan and associated materials, it could not be determined where there was an overlap. Revise the Closure Plan to indicate whether or not the units identified above are subject to RCRA closure and provide a rationale and/or information for each unit's classification. For the septic tank, indicate when it was emptied and taken out of service.

Additionally, the information included in Section 1.3, Section 2.0 and the Part A Permit Applications provided do not consistently refer to the same units/waste management areas. For example, the October 3, 1986 Part A Permit Application lists five units; one 5,000 gallon capacity container storage area (depicted as two areas in the accompanying figure), two 5,000 gallon tanks, and two 1,500 gallon tanks. The two 1,500 gallon tanks are not discussed anywhere in this Closure Plan. Revise the Closure Plan to correlate the information in the above-listed sections such that there is consistency among the Part A Applications and the sections of the Closure Plan that discuss facility operations and the regulated units. The Closure Plan must clearly indicate which of the tanks are regulated units and which are ancillary equipment, along with the rationale for the classification of each tank.

2. In Section 1.8, Wastewater Discharges, the Closure Plan discusses the use of a 4,300 gallon tanker truck for management of industrial process wastewater prior to off-site disposal from 1979 to 1984. In 1984, the 4,300 gallon tanker truck was replaced with the two 5,000 gallon indoor storage tanks. The information provided on this tanker truck is insufficient to determine if the unit managed regulated wastes. Revise the Closure Plan to provide any manifest information on the disposition of the waste waters, any analytical information on the wastewater characteristics, or any process knowledge available that would describe the material managed in the 4,300 gallon tanker truck, as originally stated in DEP's March 1998 comments (Comment No. 2).

3. Although the soil and concrete sample analytical results presented in Update I (October 7, 1997), the Follow-up Report (November 7, 1997), and Update II (June 10, 1998) support the proposed conclusions presented, several questions regarding the adequacy of the sampling approach and the development of the constituent of concern list are raised in the following specific comments. Once the comments on Part 1 of the closure process have been addressed, the adequacy of these additional submissions can be determined. The information requested in the following comments is viewed as necessary to support the closure certification, as provided in 40 CFR §265.115 and the corresponding DEP regulations. This comment does not require a specific response. By responding to the following specific comments, this comment will be adequately addressed. Once the Closure Plan has been approved by DEP, revisions to the Update I (October 7, 1997), the Follow-up (November 7, 1997), and Update II (June 10, 1998) will most likely be necessary. These revisions can be made when the information is submitted along with Part II.

SPECIFIC COMMENTS

REVIEW OF THE CLOSURE PLAN, PART 1

FACILITY INFORMATION

I. INTRODUCTION

I.C. Summarize regulatory events leading up to closure, e.g., RCRA inspections, enforcement actions

4. As originally stated in DEP's March 1998 comments (Comment No. 6), the Closure Plan does not address regulatory events at the facility. The Closure Plan must identify any enforcement actions taken at the facility that resulted from a spill or release, and describe the course of events following the enforcement action.

II. FACILITY DESCRIPTION

II.C. Describe the processes which generate hazardous wastes and where these wastes were stored

5. The information provided in the Closure Plan on the processes that generates hazardous waste does not correlate well with the information provided in Section 2, Description of Regulated Units or the Part A Permit Applications included in the appendices. Refer to General Comment No. 1, and revise the Closure Plan accordingly.

II.D. Provide a topographic map showing a distance of 1,000 feet around the facility at a scale of 1 inch equal to not more than 200 feet. Contours must be shown on the map. The contour interval must be sufficient to clearly show the pattern of surface water flow in the vicinity of each closing unit of the facility.

6. The Closure Plan refers to Figure 1, page 9, as the topographic map. Figure 1 does not show the facility or the 1,000 feet around the facility at a scale of not more than 1 inch equal to 200 feet, as suggested in the Draft RCRA Closure Plan Guidance. Additionally, the information provided on Figure 1 of the Closure Plan does not provide sufficient detail to allow for the surface water flow patterns to be determined in the vicinity of each closing unit. Revise the Closure Plan to include the items identified.

II.D. The [topographic] map shall clearly show the following:
2. Surface waters including intermittent streams,
6. Withdrawal wells, public and private.

7. Figure 1 of the Closure Plan does not provide sufficient detail to depict any intermittent streams in the vicinity of the facility or the closing units, and it does not include any information on public and private withdrawal wells. Revise Figure 1 to include the required information.

III. ENVIRONMENTAL SETTING

III.C. Provide the locations of drinking water supplies within a 1,000-foot distance surrounding the facility

8. The Closure Plan does not identify the source of drinking water for the facility or nearby residents. Furthermore, the data used to generate the drinking water well information provided in the Closure Plan are from 1967. Revise the Closure Plan to identify the drinking water source for the facility and nearby residences, and describe the drinking water well locations in the vicinity of the facility based on current information. Additionally, the location of the public water well referred to in the text of Section 1.7 (Page 16) is not depicted on any figure. Revise the Closure Plan to show where this well is located in relation to the facility. Section 1.7 also must be revised to include the screen interval and other appropriate well construction information for all wells within 1,000 feet of the facility, to determine the potential impact releases from the facility may have on groundwater usage.

III.D. Describe, using existing data and literature, the local and regional geologic and hydrogeologic setting, including description and depth to bedrock, depth to and flow direction of groundwater in all potentially affected aquifers, and a description of site stratigraphy.

9. The local and regional, geologic and hydrogeologic information provided in the Closure Plan does not provide the depth to bedrock, depth to and flow direction of groundwater in all potentially affected aquifers, or a description of site stratigraphy. Additionally, the aquifers underlying the facility are not specifically identified. Based on the information provided, if there was a release from the facility, it is unclear what the migration pathway(s) would be. No information has been provided regarding which, if any, aquifer is used for drinking water or other purposes, or if the primary source of water in the vicinity of the facility is the underlying schist. Revise the Closure Plan to include a more detailed description of the hydrogeologic and geologic characteristics of the site, including the bedrock. Describe whether the underlying schist functions as a regional or local aquifer, and how it is hydraulically connected to the surficial fill and any other stratigraphic units that exist beneath the site.

   Additionally, the relationship between the groundwater and the surface water is not discussed. Revise the Closure Plan to identify all of the aquifers underlying the facility and describe if the aquifers are interconnected. Also indicate the hydrogeologic relationship between the aquifers and the surrounding surface water bodies, and whether

any of the surrounding surface water bodies or aquifers are influenced by the facility activities.

III.E. Describe and provide a map of local topography including surface water bodies

10. There is no discussion on the local surface water bodies and how surface water runoff is managed. Revise the Closure Plan to include information on the local topography and how it influences surface water flow in and around the facility.

III.F. Provide a map of surface water drainage patterns and location of storm drains in the vicinity of the regulated units

11. The Closure Plan does not provide a map, at appropriate scale, with sufficient detail to distinguish drainage patterns in the vicinity of all the regulated units. Revise the Closure Plan to include a map with sufficient detail to show the surface water drainage patterns in the vicinity of each of the regulated units. Ensure that the map includes any storm drains that receive runoff from the areas around the regulated units. If overland flow is one of the modes of surface water discharge from these areas, provide sufficient detail to determine the site surface water discharge pathways.

IV. DESCRIPTION OF REGULATED UNITS:

IV.A. Provide photographs of the regulated unit(s) to be closed. Clearly delineate all existing containment structures and exterior and interior components:

Container Storage Areas I and II, and the Septic Tank and Associated Leach Field (Identified in the November 14, 1980, Part A Permit Application); Primary Container Storage Area; Secondary Container Storage Area; 300 Gallon Reaction Water Intermediate Storage Tank; 5,000 Gallon Wastewater Storage Tank; 3,000 Gallon Intermediate Holding Tank; 5,000 Gallon Organic Waste Storage Tank; 1,200 Gallon Former Reactor Vessel (R-1); Ancillary Piping; and Associated Floor Trenching and Sumps

12. The Closure Plan does not contain a current photograph of any of the waste management units being closed that were identified in General Comment No.1 (listed above). Revise the Closure Plan to include current photographs of each unit. Since some of these units no longer exist, historical photographs that show the unit as it appeared while operating should also be included. Ensure that the revised Closure Plan provides a photograph of each unit and any associated ancillary equipment depicted in its current condition.

13. The Closure Plan does not provide enough detail on the current condition of any of the above listed units. A discussion of the integrity of each unit as well as the associated secondary containment structures needs to be provided, including whether there are any

gaps or cracks in the concrete or asphalt floors or berms. The condition of the unit and floor, and the condition of any berms must be described. Revise the Closure Plan accordingly. This issue was also addressed in DEP's March 1998 comments (Comment No. 5).

IV.B. Identify regulated units closing and those remaining open:

14. The Closure Plan does not discuss whether there are any existing units that will remain open or if all of the units discussed in General Comment No. 1 will be closed. Revise the Closure Plan to include a discussion on any other regulated units at the facility, and their status. If there are no other regulated units at the facility other than those listed in General Comment No. 1, then include this information in Section 2 of the Closure Plan, Description of Regulated Units.

IV.C. Provide scale drawings of each regulated unit being closed including secondary containment structures, cross-sections, details e.g., sumps, drains, floor pitches:

<u>Container Storage Areas I and II, and the Septic Tank and Associated Leach Field (Identified in the November 14, 1980, Part A Permit Application)</u>

15. Apparently, the Closure Plan did not originally intend to address the closure of Container Storage Areas I and II, or the Septic Tank and Associated Leach Field (identified in the November 14, 1980, Part A Permit Application). As discussed in General Comment No. 1, if these units are RCRA-regulated, they must be addressed in the Closure Plan. If the units are RCRA-regulated, revise the Closure Plan to include scale drawings of each unit including secondary containment structures, cross-sections, and details such as sumps, drains, and floor pitches.

<u>Primary Container Storage Area; 3,000 Gallon Intermediate Holding Tank; 1,200 Gallon Former Reactor Vessel (R-1); 300 Gallon Reaction Water Intermediate Storage Tank; 5,000 Gallon Organic Waste Storage Tank; 5,000 Gallon Wastewater Storage Tank; Secondary Container Storage Area; Ancillary Piping; and Associated Floor Trenching and Sumps</u>

16. Plan view drawings are provided for the above list of units with the exception of the 1,200 Gallon Former Reactor Vessel (R-1) and the ancillary piping for all of the tanks, which are not shown on any of the drawings. The Closure Plan must include scale drawings of each unit including secondary containment structures, cross-sections, and details such as sumps, drains, and floor pitches. Revise the Closure Plan to include scale drawing showing the above-listed items and ensure that they identify the pitch of any sloped floor(s), floor elevations, and any curbed or secondary containment wall heights for all RCRA-regulated units.

IV.D. Provide the design capacity (maximum inventory) of each regulated unit to be closed:

Container Storage Areas I and II, and the Septic Tank and Associated Leach Field (Identified in the November 14, 1980, Part A Permit Application); Primary Container Storage Area; Secondary Container Storage Area; Ancillary Piping; and Associated Floor Trenching and Sumps

17. The Closure Plan does not identify the maximum inventory for Container Storage Areas I and II, the Primary Container Storage Area, the Secondary Container Storage Area, or the maximum volume of material that could have been held in the associated floor trenching and sumps. For those RCRA-regulated units, revise the Closure Plan to identify the maximum inventory stored in each container storage area and the design capacity for the Septic Tank and the floor trenching and sumps. Additionally, provide information on the capacity of the containers stored in each of the container storage areas as originally requested in DEP's March 1998 comments (Comment No. 5).

IV.E. Describe the material of construction of the primary and secondary containment structures (e.g., steel, fiberglass for primary containment, and asphalt concrete, aggregate, soil for secondary containment). If changed or upgraded any time during interim status period, describe and provide dates of change:

3,000 Gallon Intermediate Holding Tank and Secondary Container Storage Area

18. The Closure Plan does not identify the material of construction for the secondary containment structures (dike/berm) for either of the above units, nor was information provided on the secondary containment prior to 1995 for the 3,000 gallon intermediate holding tank. Revise the Closure Plan to identify the secondary containment construction materials and to describe the secondary containment features of these units during their entire active life, if they are determined to be RCRA-regulated.

1,200 Gallon Former Reactor Vessel (R-1) and 300 Gallon Reaction Water Intermediate Storage Tank

19. The Closure Plan does not address whether there is any secondary containment at the above listed units. If determined to be RCRA-regulated, revise the Closure Plan to describe secondary containment features at the above listed units.

Ancillary Piping

20. The Closure Plan does not identify the material of construction for any of the ancillary piping. Revise the Closure Plan to describe in detail the ancillary piping construction materials and any secondary containment features associated with RCRA-regulated units.

IV.F. Describe the floor coating and the date of application:

3,000 Gallon Intermediate Holding Tank; 1,200 Gallon Former Reactor Vessel (R-1); 300 Gallon Reaction Water Intermediate Storage Tank; 5,000 Gallon Organic Waste Storage Tank; 5,000 Gallon Wastewater Storage Tank; Secondary Container Storage Area; Ancillary Piping; and Associated Floor Trenching and Sumps

21. The Closure Plan does not indicate when the coating on the floor of the 3,000 Gallon Intermediate Holding Tank was applied. Revise the Closure Plan to indicate when the protective coating was applied to the floor of the unit, if the unit is RCRA-regulated. Additionally, there is no discussion as to whether their is a coating on the floor under the 1,200 Gallon Former Reactor Vessel (R-1) or the 300 Gallon Reaction Water Intermediate Storage Tank. Also, revise the Closure Plan to indicate whether a protective coating was applied to the floor underneath these two units, if the units are RCRA-regulated.

IV.G. Describe all components and history of the "tank system" including:

a. **Dimensions, capacity and materials of construction of each tank,**
b. **Secondary containment structure design and materials of construction,**
c. **All ancillary equipment directly connected to the tank or secondary containment structure, e.g., piping, pressure relief values, instrumentation, valves, and level sensors,**
d. **Provide a scale drawing of the tank system, include the process flow,**
e. **Provide the maintenance/repair/replacement history of the tank system,**
f. **Provide the age of the tank system, and**
g. **Provide information on any spills which occurred during the life of the facility.**

3,000 Gallon Intermediate Holding Tank

21. The Closure Plan does not provide the following information for the 3,000 gallon intermediate holding tank: a scale drawing of the tank system, including the process flow; all ancillary equipment directly connected to the tank or secondary containment structure, such as piping, pressure relief values, instrumentation, valves, and level sensors; the maintenance/repair/replacement history of the tank system; the age of the tank system; or information on any spills which occurred that were associated with the tank during the

life of the facility. Revise the Closure Plan to include the above listed information if the unit is RCRA-regulated.

1,200 Gallon Former Reactor Vessel (R1); 300 Gallon Reaction Water Intermediate Storage Tank; and 5,000 Gallon Wastewater Storage Tank

22. The Closure Plan does not provide the following information for the 1,200 gallon former reactor vessel, the 300 gallon reaction water intermediate storage tank, or the 5,000 gallon wastewater storage tank: dimensions of the tank; secondary containment structure design and materials of construction; a scale drawing of the tank system, including the process flow; all ancillary equipment directly connected to the tank or secondary containment structure, such as piping, pressure relief values, instrumentation, valves, and level sensors; the maintenance/repair/replacement history of the tank system; the age of the tank system; or information on any spills which occurred that were associated with the tank during the life of the facility. Revise the Closure Plan to include the above listed information for those units that are RCRA-regulated.

5,000 Gallon Organic Waste Storage Tank

23. The Closure Plan does not provide the following information for the 5,000 gallon organic waste storage tank: dimensions of the tank; a scale drawing of the tank system, including the process flow; all ancillary equipment directly connected to the tank or secondary containment structure, such as piping, pressure relief values, instrumentation, valves, and level sensors; the maintenance/repair/replacement history of the tank system; the age of the tank system; or information on any spills which occurred that were associated with the tank during the life of the facility. Revise the Closure Plan to include the above listed information if the unit is RCRA-regulated.

V. PART A STATUS

V.A. Compare all RCRA-regulated units presently on site with those entered on the most recently submitted Part A application

24. No discussion is provided in the Closure Plan that compares the units currently on-site or currently undergoing closure versus those that are listed in the most recent Part A Permit Application (October 3, 1986) provided in the Appendix D. Revise the Closure Plan to include a discussion on those units that are presently on-site versus those that are listed in the most recent Part A Permit Application provided in the Appendices. For example, the figures included with the October 3, 1986 Part A Permit Application include several tanks that are not discussed or described anywhere in the Closure Plan. Information on what each of these tanks was used for should be included in the Closure Plan.

V.B. **If necessary, resolve discrepancies between existing units, design capacities, and waste types which appears on the Part A by modifying and resubmitting the Part A. A modified Part A must be accompanied by an explanation of the changes. Attach a copy of the modified Part A as an appendix to Closure Plan Part I.**

25. The Part A Permit Applications are included in Appendix A, but information included in the Closure Plan does not match the information contained in the October 3, 1986 Part A Permit Application. No revised application has been submitted, although several discrepancies exist regarding the information provided in Sections 1.3 and 2 of the Closure Plan versus what is included in the Part A Permit Applications. Refer to General Comment No. 1 and revise the Closure Plan accordingly. Additionally, it appears it may be necessary to include an updated Part A Permit Application in the revised Closure Plan.

VI. OTHER SOURCES OF CONTAMINATION

Describe and provide the location of all other sources of contamination which could potentially impact or interfere with characterization of releases from the regulated units at the site, e.g., spill adjacent to a regulated unit.

26. The Closure Plan does not include any discussion on the potential for other sources of contamination to exist. Revise the Closure Plan to address this issue. If there are no other suspected sources of contamination, then include that appropriate information in the Closure Plan. An example of other sources of contamination could include spills from the additional product or reactor tanks shown in the figures provided in the June 22, 1984 Part A Permit Application.

SITE CHARACTERIZATION WORK PLAN

I. CONSTITUENTS OF CONCERN

I.A. Records Review

27. The development of the constituents of concern (COCs) list needs to include a review of all facility records such as Material Safety Data Sheets (MSDS) for all materials stored on-site, based on both current and historic manufacturing activities and records. Other information that also needs to be reviewed includes waste analysis records at the facility, records of waste or materials sent to off-site facilities, any groundwater monitoring parameters, and wastewater discharge permits. Documentation regarding all of the sources reviewed needs to be included in the Closure Plan. For example, the first bullet on page 32, in Section 3.1.1, states that a comparison of the materials used on-site was conducted with the hazardous constituents listed under 40 CFR §261 Appendix VIII and 40 CFR §264 Appendix IX. The information used to conduct the comparison needs to be included in the Closure Plan. This issue was also discussed in DEP's March 1998

comments (Comment No. 3). Revise the Closure Plan to address this issue. Ensure that all of the appropriate parameters identified are included on the COC list, and modify Tables 2 and 3 accordingly.

28. Revise the Closure Plan to discuss whether used petroleum products were managed on site in association with the activities described in the Closure Plan. Used oil is regulated by the DEP and has characteristics that would potentially expand the COC list.

I.C. Analysis of porous secondary containment structures (e.g., concrete) for Appendix IX constituents. See Attachment C- Table 1-2

29. The Closure Plan states that, "It is not necessary to complete Appendix IX sampling of the secondary hazardous waste container storage area, because the secondary area stored the same hazardous wastes as the primary area." As the management practices and spill incidents history are not the same for both the primary and secondary container storage areas, proposing that since they both managed the same wastes, sampling of the secondary container storage area is unwarranted is unacceptable. Revise the Closure Plan to provide for sampling of the secondary container storage area.

30. Section 3.1.2, Appendix IX Sampling states that the only areas to be considered for sampling are the primary container storage area and the organic and reaction water storage tank areas. Given the number of units that may need to be addressed by this Closure Plan as discussed in General Comment No. 1, and that the Secondary Container Storage Area should also be sampled as discussed in Specific Comment No. 29, the surface area of the concrete that may need to be sampled may need to be increased to include additional areas underlying units determined to be RCRA-regulated. Revise the proposed sampling approach to include the sumps and trenches, secondary containment surfaces, and all concrete that serves as secondary containment for any of the ancillary tanks or primary tanks used to manage hazardous wastes. The proposed sampling should include the concrete walls or building walls near where tanks are currently or were formerly located. In order to account for any spills, this may entail sampling the walls up to at least the height of the former tank(s) that was (were) stored in that area. Ensure that a proposal is provided for sampling the secondary container storage area as well. These issues were also discussed in DEP's March 1998 comments (Comment No. 8.)

31. Section 3.1.2 , Step 4, discusses how the samples will be collected and selected for analysis. Provide a justification for only collecting one judgmental sample. It would be prudent to set the number of judgmental samples based on the condition of the concrete to be sampled (i.e., collect one sample from each stained or degraded area of concrete observed up to some specified maximum). The details regarding the condition of the concrete need to be provided in the Closure Plan as discussed in Specific Comment No. 14, in order to allow for a determination on the number of judgmental samples necessary. Revise the Closure Plan to address these issues.

II. IDENTIFY ALL POTENTIAL HUMAN EXPOSURE PATHWAYS

32. Section 3.2, states that, "Since health based standards for the dermal contact pathway are not available for most constituents, the health and environmental based standards for ingestion and inhalation will be used to determine when the goal of clean closure is achieved for each of the hazardous waste storage areas." This is not an acceptable justification for not addressing dermal exposures for the constituents of concern. EPA's Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part A), Interim Final, dated December 1989, Office of Emergency and Remedial Response, EPA/540/1-89/002, provides guidance on how to establish surrogate numbers in the event that compound specific exposure data is unavailable. Revise the Closure Plan such that dermal exposure is included in the human health exposure pathway analysis.

III. IDENTIFY THE PRESENCE/ABSENCE OF CONTAMINATION REQUIRING REMEDIATION

III.B. Presence/Absence of Contamination in Soils From Secondary Containment Structures

33. Step 3 in Section 3.4.2 refers to Section 3.5.2 for information on how soil samples will be collected. No discussion is provided in either Section 3.4.2 or 3.5.2 on how soil and/or concrete collected in augers will be transferred into sampling jars. The transfer and material handling process should be described in detail, so that DEP can ensure that the transfer process will not impose any unnecessary cross-contamination on the samples. Usually, the non-volatile organic analysis soils are homogenized prior to placement in sample containers. This level of detail is currently not included in the Closure Plan. Revise the Closure Plan to provide additional details on the procedures and equipment that will be used to transfer sample materials from the sample collection device to the sample container, and how the sample will be treated during the transfer process. This issue was also discussed in DEP's March 1998 comments (Comment No. 7). The inclusion of standard operating procedures (SOPs) that address these concerns would be considered an appropriate response.

IV. DEFINE THE EXTENT OF CONTAMINATION IN STRUCTURES AND SOILS

34. Revise Section 3.4.4 to address both the Primary Container Storage Area as well as the Secondary Container Storage Area as previously discussed in Specific Comment No. 29.

IV.C. Sample borings should extend to mean seasonal low groundwater, and samples should be taken at each soil horizon. Illustrate the sample depth, concentration data, each soil type, and the location of groundwater on a cross-section diagram

35. Step 6 in Section 3.4.2 states that soil sampling will only be advanced to a maximum depth of four feet below the ground surface. Additionally, Step 3 in Section 3.4.4 states that a soil sample will be collected from the 12 inch to 18 inch soil horizon. The Draft RCRA Closure Plan Guidance states that the soil should be sampled down to the mean seasonal low groundwater elevation. The Closure Plan must be revised to present a sampling plan that will establish the boundaries of the vertical extent of hazardous waste that has migrated into the soil from the each unit requiring soil samples. Revise the Closure Plan to include additional sampling of the soil, where necessary, down to the mean seasonal low groundwater elevation, or provide the rationale for not requiring the additional sampling.

36. Section 3.5.1, Step 4 does not include a rinse with deionized water. Revise the decontamination process to include a deionized water rinse in between the tap water rinse and the nitric acid rinse. Additionally, deionized water needs to be specified instead of distilled water. This comment also applies to Section 3.5.2, Step 3 and Section 3.5.3, Step 3. Revise the Closure Plan accordingly.

37. Section 3.5.3 does not address the concrete associated with the 300 Gallon Reaction Water Intermediate Storage Tank, the 3,000 Gallon Intermediate Holding Tank, or the 1,200 Gallon Former Reactor Vessel (R-1). Revise the Closure Plan accordingly to include all of the tanks undergoing closure as discussed in General Comment No. 1.

38. Section 3.10 does not provide for the collection of trip blanks or field blanks, as well as matrix spike/matrix spike duplicate (MS/MSD) samples which are standard analytical quality assurance samples. Revise the Closure Plan to include these additional quality control samples. The inclusion of SOPs that address these concerns would be considered an appropriate response.

IV.E. Describe Decision Process to Conclude Sampling

39. The Follow-up Report (November 7, 1997) on page 2 states that the analytical results from sample IN-LAT-4 are believed to be anomalous. Based on the lack of sufficient quality control samples as discussed in Specific Comment No. 38, stating that one elevated reading is anomalous is unsubstantiated. It is recommended that this location be resampled in order to determine whether the IN-LAT-14 data point is really anomalous. Address this issue during submission of Part 2.

40. In Update II (June 10, 1998), on page 2, SPC Divestitures suggests that the arsenic contamination is not related to site activities, but is associated with site surficial fill. Soil samples from background locations unaffected by site activities need to be collected and analyzed to support this conclusion. This also applies to the arsenic issue discussed on page 4 of this report. Address this issue during submission of Part 2.

41. In Update II (June 10, 1998), on page 2, SPC Divestitures suggests that the total petroleum hydrocarbon contamination is associated with a site scale. Additional sampling needs to be conducted that will document this premise. Address these issues during submission of Part 2.

APPENDIX O

APPENDIX IX SAMPLING RESULTS

July 24, 1997

HRP Associates Inc.
167 New Britain Ave
Plainville, CT 06062

Attn: Ms. Pat Terwilliger

RECEIVED
JUL 30 1997
HRP ASSOCIATES, INC.

Please find attached laboratory report(s) for the samples submitted on : **July 7, 1997**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 797068
PO/JOB No.	: SPC003.RC
INVOICE No.	: 66923
ORDER No.	: 47081
CUSTOMER No.	: 350

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Client ID : HRP Associates Inc.
Lab Number : 797068
PO Number : SPC0003.RA
Date of Rep.: 7-22-97

Date Samples Rec'd : 7-7-97
Date Samples Extracted : 7-17-97
Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Sump Composite**
CTL Sample Number : 7713

Mass Analysis	EPA Method+ Code	MDL	**RESULTS**	Date Analyzed
Antimony	7020	10	670	7-21-97
Arsenic	7060	1.0	1.5	7-21-97
Barium	6010	5	462	7-21-97
Beryllium	7090	0.4	ND	7-21-97
Cadmium	6010	0.5	1,122	7-21-97
Chromium	6010	0.5	8.3	7-21-97
Cobalt	6010	2	26.0	7-21-97
Copper	6010	0.5	16.0	7-21-97
Lead	7421	0.5	23.0	7-21-97
Mercury	7471	0.02	0.16	7-21-97
Nickel	6010	0.5	11.6	7-21-97
Selenium	7740	0.5	ND	7-21-97
Silver	6010	0.2	0.8	7-21-97
Thallium	6010	10	ND	7-21-97
Tin	7870	20	ND	7-21-97
Vanadium	6010	2	9.0	7-21-97
Zinc	6010	0.5	495	7-21-97
Cyanide, Total	9010	1.0	ND	7-18-97
Sulfide	9030	10	ND	7-18-97

MDL= Minimum Detectable Level **Units= PPM** **ND= None Detected**

Laboratory Director PH-0547

+ = Test Methods For Evaluating Solid Wastes Physical/Chemical Methods. EPA SW-846 3rd Ed. November 1986.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client ID : HRP Associates Inc.
Lab Number : 797068
PO Number : SPC0003.RA
Date of Rep.: 7-22-97

Date Samples Rec'd : 7-7-97
Date Samples Extracted : 7-17-97
Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Outdoor Composite**
CTL Sample Number : 7714

Mass Analysis	EPA Method+ Code	MDL	**RESULTS**	Date Analyzed
Antimony	7020	10	ND	7-21-97
Arsenic	7060	1.0	2.7	7-21-97
Barium	6010	5	344	7-21-97
Beryllium	7090	0.4	0.5	7-21-97
Cadmium	6010	0.5	100	7-21-97
Chromium	6010	0.5	16.1	7-21-97
Cobalt	6010	2	7.0	7-21-97
Copper	6010	0.5	53.4	7-21-97
Lead	7421	0.5	27.5	7-21-97
Mercury	7471	0.02	0.03	7-21-97
Nickel	6010	0.5	15.9	7-21-97
Selenium	7740	0.5	ND	7-21-97
Silver	6010	0.2	ND	7-21-97
Thallium	6010	10	ND	7-21-97
Tin	7870	20	ND	7-21-97
Vanadium	6010	2	28.2	7-21-97
Zinc	6010	0.5	281	7-21-97
Cyanide, Total	9010	1.0	2.66	7-18-97
Sulfide	9030	10	ND	7-18-97

MDL= Minimum Detectable Level **Units= PPM** **ND= None Detected**

Laboratory Director PH-0547

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Lab Number : 797068
PO Number : SPC0003.RC
Date of Rep.: 7-22-97

Date Samples Rec'd : 7-7-97
Date Samples Extracted : 7-10-97
Date Samples Tested : 7/15-7/16/97
Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Sump #2**
CTL Sample Number : 7711

EPA METHOD 8240	MDL	**RESULTS**	
Acetone	50	14,779.0	
Acetonitrile	50	BDL	
Acrolein	50	BDL	
Acrylonitrile	50	BDL	
Allyl chloride	50	BDL	
Benzene	10	2,133.0	
Bromodichloromethane	10	BDL	
Bromoform	10	BDL	
Carbon disulfide	10	BDL	
Carbon tetrachloride	10	139.0	
Chlorobenzene	10	BDL	
Chloroethane	10	BDL	
Chloroform	10	551.0	
Chloroprene	10	BDL	
Dibromochloromethane	10	BDL	
1,2-Dibromoethane	10	BDL	
trans-1,4-Dichloro-2-butene	10	BDL	
Dichlorodifluoromethane	10	BDL	
1,1-Dichloroethane	10	BDL	
1,2-Dichloroethane	10	BDL	
1,1-Dichloroethylene	10	BDL	
trans-1,2-Dichloroethylene	10	BDL	
1,2-Dichloropropane	10	BDL	
cis-1,3-Dichloropropene	10	BDL	
trans-1,3-Dichloropropene	10	BDL	

MDL= Minimum Detectable Level **BDL= Below Detection Limit**
Units= PPB

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Lab Number : 797068
PO Number : SPC0003.RC
Date of Rep.: 7-22-97

Date Samples Rec'd : 7-7-97
Date Samples Extracted : 7-10-97
Date Samples Tested : 7/15-7/16/97
Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Sump #2**
CTL Sample Number : 7711

EPA METHOD 8240	MDL	**RESULTS**	
Ethylbenzene	10	275.0	
2-Hexanone	10	BDL	
Methacrylonitrile	50	BDL	
Methyl bromide	50	BDL	
Methyl chloride	10	BDL	
Methylene bromide	10	BDL	
Methylene chloride	10	BDL	
Methyl ethyl ketone	10	BDL	
Methyl iodide	10	BDL	
Methyl methacrylate	10	BDL	
Methyl isobutyl ketone	10	147.0	
Propionitrile	50	BDL	
Styrene	10	BDL	
1,1,1,2-Tetrachloroethane	10	BDL	
1,1,2,2-Tetrachloroethane	10	BDL	
Tetrachloroethylene	10	BDL	
Toluene	10	2,960.0	
1,1,1-Trichloroethane	10	BDL	
1,1,2-Trichloroethane	10	BDL	
Trichloroethylene	10	BDL	
Trichlorofluoromethane	10	BDL	
1,2,3-Trichloropropane	10	BDL	
Vinyl acetate	10	BDL	
Vinyl chloride	10	BDL	
p/m-Xylene	10	1,077.0	
o-Xylene	10	175.0	
1,4-Dioxane	50	BDL	
Isobutyl alcohol	50	BDL	

MDL= Minimum Detectable Level **BDL= Below Detection Limit**
Units= PPB

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Lab Number : 797068
PO Number : SPC0003.RC
Date of Rep.: 7-22-97

Date Samples Rec'd : 7-7-97
Date Samples Extracted : 7-10-97
Date Samples Tested : 7/15-7/16/97
Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **CC-7**
CTL Sample Number : 7712

EPA METHOD 8240	MDL	**RESULTS**	
Acetone	50	BDL	
Acetonitrile	50	BDL	
Acrolein	50	BDL	
Acrylonitrile	50	BDL	
Allyl chloride	50	BDL	
Benzene	10	BDL	
Bromodichloromethane	10	BDL	
Bromoform	10	BDL	
Carbon disulfide	10	BDL	
Carbon tetrachloride	10	BDL	
Chlorobenzene	10	BDL	
Chloroethane	10	BDL	
Chloroform	10	BDL	
Chloroprene	10	BDL	
Dibromochloromethane	10	BDL	
1,2-Dibromoethane	10	BDL	
trans-1,4-Dichloro-2-butene	10	BDL	
Dichlorodifluoromethane	10	BDL	
1,1-Dichloroethane	10	BDL	
1,2-Dichloroethane	10	BDL	
1,1-Dichloroethylene	10	BDL	
trans-1,2-Dichloroethylene	10	BDL	
1,2-Dichloropropane	10	BDL	
cis-1,3-Dichloropropene	10	BDL	
trans-1,3-Dichloropropene	10	BDL	

MDL= Minimum Detectable Level **BDL= Below Detection Limit**
Units= PPB

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Date of Rep.: 7-22-97

Date Samples Rec'd : 7-7-97
Date Samples Extracted : 7-10-97
Date Samples Tested : 7/15-7/16/97
Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **CC-7**
CTL Sample Number : 7712

EPA METHOD 8240	MDL	RESULTS	
Ethylbenzene	10	BDL	
2-Hexanone	10	BDL	
Methacrylonitrile	50	BDL	
Methyl bromide	50	BDL	
Methyl chloride	10	BDL	
Methylene bromide	10	BDL	
Methylene chloride	10	BDL	
Methyl ethyl ketone	10	BDL	
Methyl iodide	10	BDL	
Methyl methacrylate	10	BDL	
Methyl isobutyl ketone	10	BDL	
Propionitrile	50	BDL	
Styrene	10	BDL	
1,1,1,2-Tetrachloroethane	10	BDL	
1,1,2,2-Tetrachloroethane	10	BDL	
Tetrachloroethylene	10	BDL	
Toluene	10	BDL	
1,1,1-Trichloroethane	10	BDL	
1,1,2-Trichloroethane	10	BDL	
Trichloroethylene	10	BDL	
Trichlorofluoromethane	10	BDL	
1,2,3-Trichloropropane	10	BDL	
Vinyl acetate	10	BDL	
Vinyl chloride	10	BDL	
p/m-Xylene	10	BDL	
o-Xylene	10	BDL	
1,4-Dioxane	50	BDL	
Isobutyl alcohol	50	BDL	

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Date Samples Rec'd : 7-7-97
Date Samples Extracted : 7-19-97
Date Samples Tested : 7/19--7/21/97
Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Sump Composite**
CTL Sample Number : 7713

EPA METHOD 8270	MDL	**RESULTS**	
Acenaphthene	1000	BDL	
Acenaphthylene	1000	BDL	
Acetophenone	5000	BDL	
2-Acetylaminofluorene	5000	BDL	
4-Aminobiphenyl	5000	BDL	
Aniline	1000	BDL	
Anthracene	1000	BDL	
Aramite	5000	BDL	
Benzo [a] anthracene	1000	BDL	
Benzo [b] fluoranthene	1000	BDL	
Benzo [k] fluoranthene	1000	BDL	
Benzo [ghi] perylene	5000	BDL	
Benzo [a] pyrene	1000	BDL	
Benzyl alcohol	1000	BDL	
Bis(2-Chloroethoxy)methane	1000	BDL	
Bis(2-Chloroethyl)ether	1000	BDL	
Bis(2-Chloro-1-methylethyl)ether	1000	BDL	
Bis(2-ethylhexyl)phthalate	1000	1,265.0	
4-Bromophenyl phenyl ether	1000	BDL	
Butyl benzyl phthalate	1000	BDL	
p-Chloraniline	5000	BDL	
Chlorobenzilate	5000	BDL	
p-Chloro-m-cresol	5000	BDL	

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Units= PPB

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Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Sump Composite**
CTL Sample Number : 7713

EPA METHOD 8270	MDL	**RESULTS**	
2-Chloronaphthalene	1000	BDL	
2-Chlorophenol	5000	BDL	
4-Chlorophenyl phenyl ether	1000	BDL	
Chrysene	1000	BDL	
m-cresol	5000	BDL	
o-cresol	5000	BDL	
p-cresol	5000	BDL	
Diallate	5000	BDL	
Dibenz[a,h]anthracene	5000	BDL	
Dibenzofuran	1000	BDL	
1,2-Dibromo-3-chloropropane	1000	BDL	
Di-n-butyl phthalate	1000	1,425,214	
o-Dichlorobenzene	1000	BDL	
m-Dichlorobenzene	1000	BDL	
p-Dichlorobenzene	1000	BDL	
3,3'-Dichlorobenzidine	5000	BDL	
2,4-Dichlorophenol	5000	BDL	
2,6-Dichlorophenol	5000	BDL	
Diethyl phthalate	1000	BDL	
Diethyl pyrazinyl Phosphorothioate	5000	BDL	
Dimethoate	5000	BDL	
p-(Dimethylamino)azobenzene	5000	BDL	
7,12-Dimethylbenz[a]anthracene	1000	BDL	
3,3'-Dimethylbenzidine	5000	BDL	

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Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Sump Composite**
CTL Sample Number : 7713

EPA METHOD 8270	MDL	**RESULTS**	
alpha, alpha-Dimethylphenethylamine	5000	BDL	
2,4-Dimethylphenol	5000	BDL	
Dimethyl phthalate	1000	36,367.0	
m-Dinitrobenzene	1000	BDL	
4,6-Dinitro-o-cresol	5000	BDL	
2,4-Dinitrophenol	5000	BDL	
2,4-Dinitrotoluene	1000	BDL	
2,6-Dinitrotoluene	1000	BDL	
Di-n-octyl phthalate	1000	BDL	
Diphenylamine	5000	BDL	
Disulfoton	5000	BDL	
Ethyl methacrylate	5000	BDL	
Ethyl methanesulfonate	5000	BDL	
Famphur	5000	BDL	
Fluoranthene	1000	BDL	
Fluorene	1000	BDL	
Hexachlorobenzene	1000	BDL	
Hexachlorobutadiene	1000	BDL	
Hexachlorocyclopentadiene	1000	BDL	
Hexachloroethane	1000	BDL	
Hexachlorophene	1000	BDL	
Hexachloropropene	1000	BDL	
Indeno(1,2,3cd)pyrene	5000	BDL	

MDL= Minimum Detectable Level **BDL= Below Detection Limit**
Units= PPB

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Date Samples Tested : 7/19--7/21/97
Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Sump Composite**
CTL Sample Number : 7713

EPA METHOD 8270	MDL	**RESULTS**	
Isodrin	5000	BDL	
Isophorone	1000	BDL	
Isosafrole	5000	BDL	
Kepone	5000	BDL	
Methapyrilene	5000	BDL	
3-Methylcholanthrene	1000	BDL	
Methyl methanesulfonate	5000	BDL	
2-Methylnaphthalene	1000	BDL	
Methyl parathion	5000	BDL	
Naphthalene	1000	BDL	
1,4-Naphthoquinone	5000	BDL	
1-Naphthylamine	5000	BDL	
2-Naphthylamine	5000	BDL	
o-Nitroaniline	5000	BDL	
m-Nitroaniline	5000	BDL	
p-Nitroaniline	5000	BDL	
Nitrobenzene	1000	BDL	
o-Nitrophenol	5000	BDL	
p-Nitrophenol	5000	BDL	
4-Nitroquinoline 1-oxide	5000	BDL	
N-Nitrosodi-n-butylamine	5000	BDL	
N-Nitrosodiethylamine	5000	BDL	
N-Nitrosodimethylamine	5000	BDL	
N-Nitrosodiphenylamine	5000	BDL	

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Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Sump Composite**
CTL Sample Number : 7713

EPA METHOD 8270	MDL	**RESULTS**	
N-Nitrosodipropylamine	5000	BDL	
N-Nitrosomethylethylamine	5000	BDL	
N-Nitrosomorpholine	5000	BDL	
N-Nitrosopiperidene	5000	BDL	
N-Nitrosopyrrolidine	5000	BDL	
5-Nitro-o-toluidine	5000	BDL	
Parathion	1000	BDL	
Pentachlorobenzene	1000	BDL	
Pentachloroethane	1000	BDL	
Pentachloronitrobenzene	5000	BDL	
Pentachlorophenol	5000	BDL	
Phenacetin	5000	BDL	
Phenanthrene	1000	BDL	
Phenol	5000	157,900.0	
p-Phenylenediamine	5000	BDL	
Phorate	5000	BDL	
2-Picoline	5000	BDL	
Pronamide	5000	BDL	
Pyrene	1000	BDL	
Pyridine	1000	BDL	
Safrole	5000	BDL	
1,2,4,5-Tetrachlorobenzene	5000	BDL	
2,3,4,6-Tetrachlorophenol	5000	BDL	
Sulfotepp	5000	BDL	

MDL= Minimum Detectable Level **BDL= Below Detection Limit**
Units= PPB

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Date Samples Tested : 7/19--7/21/97
Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Sump Composite**
CTL Sample Number : 7713

EPA METHOD 8270	MDL	**RESULTS**	
o-Toluidine	5000	BDL	
1,2,4-Trichlorobenzene	1000	BDL	
2,4,5-Trichlorophenol	5000	BDL	
2,4,6-Trichlorophenol	5000	BDL	
0,0,0-Triethyl phosphorothioate	5000	BDL	
sym-Trinitrobenzene	5000	BDL	

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Units= PPB

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Date Samples Tested : 7/19--7/21/97
Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Outdoor Composite**
CTL Sample Number : 7714

EPA METHOD 8270	MDL	**RESULTS**	
Acenaphthene	100	BDL	
Acenaphthylene	100	BDL	
Acetophenone	500	BDL	
2-Acetylaminofluorene	500	BDL	
4-Aminobiphenyl	500	BDL	
Aniline	100	BDL	
Anthracene	100	BDL	
Aramite	500	BDL	
Benzo [a] anthracene	100	BDL	
Benzo [b] fluoranthene	100	BDL	
Benzo [k] fluoranthene	100	BDL	
Benzo [ghi] perylene	500	BDL	
Benzo [a] pyrene	100	BDL	
Benzyl alcohol	100	BDL	
Bis(2-Chloroethoxy)methane	100	BDL	
Bis(2-Chloroethyl)ether	100	BDL	
Bis(2-Chloro-1-methylethyl)ether	100	BDL	
Bis(2-ethylhexyl)phthalate	100	2,517.0	
4-Bromophenyl phenyl ether	100	BDL	
Butyl benzyl phthalate	100	BDL	
p-Chloraniline	500	BDL	
Chlorobenzilate	500	BDL	
p-Chloro-m-cresol	500	BDL	

MDL= Minimum Detectable Level **BDL= Below Detection Limit**
Units= PPB

Laboratory Director PH-0547

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client ID : HRP Associates Inc.
Lab Number : 797068
PO Number : SPC0003.RC
Date of Rep.: 7-22-97

Date Samples Rec'd : 7-7-97
Date Samples Extracted : 7-19-97
Date Samples Tested : 7/19--7/21/97
Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Outdoor Composite**
CTL Sample Number : 7714

EPA METHOD 8270	MDL	**RESULTS**	
2-Chloronaphthalene	100	BDL	
2-Chlorophenol	500	BDL	
4-Chlorophenyl phenyl ether	100	BDL	
Chrysene	100	BDL	
m-cresol	500	BDL	
o-cresol	500	BDL	
p-cresol	500	BDL	
Diallate	500	BDL	
Dibenz[a,h]anthracene	500	BDL	
Dibenzofuran	100	BDL	
1,2-Dibromo-3-chloropropane	100	BDL	
Di-n-butyl phthalate	100	BDL	
o-Dichlorobenzene	100	BDL	
m-Dichlorobenzene	100	BDL	
p-Dichlorobenzene	100	BDL	
3,3'-Dichlorobenzidine	500	BDL	
2,4-Dichlorophenol	500	BDL	
2,6-Dichlorophenol	500	BDL	
Diethyl phthalate	100	BDL	
Diethyl pyrazinyl Phosphorothioate	500	BDL	
Dimethoate	500	BDL	
p-(Dimethylamino)azobenzene	500	BDL	
7,12-Dimethylbenz[a]anthracene	100	BDL	
3,3'-Dimethylbenzidine	500	BDL	

MDL= Minimum Detectable Level **BDL= Below Detection Limit**
Units= PPB

Laboratory Director PH-0547

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client ID : HRP Associates Inc.
Lab Number : 797068
PO Number : SPC0003.RC
Date of Rep.: 7-22-97

Date Samples Rec'd : 7-7-97
Date Samples Extracted : 7-19-97
Date Samples Tested : 7/19--7/21/97
Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Outdoor Composite**
CTL Sample Number : 7714

EPA METHOD 8270	MDL	**RESULTS**	
alpha, alpha-Dimethylphenethylamine	500	BDL	
2,4-Dimethylphenol	500	BDL	
Dimethyl phthalate	100	BDL	
m-Dinitrobenzene	100	BDL	
4,6-Dinitro-o-cresol	500	BDL	
2,4-Dinitrophenol	500	BDL	
2,4-Dinitrotoluene	100	BDL	
2,6-Dinitrotoluene	100	BDL	
Di-n-octyl phthalate	100	BDL	
Diphenylamine	500	BDL	
Disulfoton	500	BDL	
Ethyl methacrylate	500	BDL	
Ethyl methanesulfonate	500	BDL	
Famphur	500	BDL	
Fluoranthene	100	BDL	
Fluorene	100	BDL	
Hexachlorobenzene	100	BDL	
Hexachlorobutadiene	100	BDL	
Hexachlorocyclopentadiene	100	BDL	
Hexachloroethane	100	BDL	
Hexachlorophene	100	BDL	
Hexachloropropene	100	BDL	
Indeno(1,2,3cd)pyrene	500	BDL	

MDL= Minimum Detectable Level **BDL= Below Detection Limit**
Units= PPB

Laboratory Director PH-0547

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client ID : HRP Associates Inc.
Lab Number : 797068
PO Number : SPC0003.RC
Date of Rep.: 7-22-97

Date Samples Rec'd : 7-7-97
Date Samples Extracted : 7-19-97
Date Samples Tested : 7/19--7/21/97
Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Outdoor Composite**
CTL Sample Number : 7714

EPA METHOD 8270	MDL	**RESULTS**	
Isodrin	500	BDL	
Isophorone	100	BDL	
Isosafrole	500	BDL	
Kepone	500	BDL	
Methapyrilene	500	BDL	
3-Methylcholanthrene	100	BDL	
Methyl methanesulfonate	500	BDL	
2-Methylnaphthalene	100	BDL	
Methyl parathion	500	BDL	
Naphthalene	100	BDL	
1,4-Naphthoquinone	500	BDL	
1-Naphthylamine	500	BDL	
2-Naphthylamine	500	BDL	
o-Nitroaniline	500	BDL	
m-Nitroaniline	500	BDL	
p-Nitroaniline	500	BDL	
Nitrobenzene	100	BDL	
o-Nitrophenol	500	BDL	
p-Nitrophenol	500	BDL	
4-Nitroquinoline 1-oxide	500	BDL	
N-Nitrosodi-n-butylamine	500	BDL	
N-Nitrosodiethylamine	500	BDL	
N-Nitrosodimethylamine	500	BDL	
N-Nitrosodiphenylamine	500	BDL	

MDL= Minimum Detectable Level **BDL= Below Detection Limit**
Units= PPB

Laboratory Director PH-0547

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client ID : HRP Associates Inc.
Lab Number : 797068
PO Number : SPC0003.RC
Date of Rep.: 7-22-97

Date Samples Rec'd : 7-7-97
Date Samples Extracted : 7-19-97
Date Samples Tested : 7/19--7/21/97
Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Outdoor Composite**
CTL Sample Number : 7714

EPA METHOD 8270	MDL	**RESULTS**	
N-Nitrosodipropylamine	500	BDL	
N-Nitrosomethylethylamine	500	BDL	
N-Nitrosomorpholine	500	BDL	
N-Nitrosopiperidene	500	BDL	
N-Nitrosopyrrolidine	500	BDL	
5-Nitro-o-toluidine	500	BDL	
Parathion	100	BDL	
Pentachlorobenzene	100	BDL	
Pentachloroethane	100	BDL	
Pentachloronitrobenzene	500	BDL	
Pentachlorophenol	500	BDL	
Phenacetin	500	BDL	
Phenanthrene	100	BDL	
Phenol	500	BDL	
p-Phenylenediamine	500	BDL	
Phorate	500	BDL	
2-Picoline	500	BDL	
Pronamide	500	BDL	
Pyrene	100	BDL	
Pyridine	100	BDL	
Safrole	500	BDL	
1,2,4,5-Tetrachlorobenzene	500	BDL	
2,3,4,6-Tetrachlorophenol	500	BDL	
Sulfotepp	500	BDL	

MDL= Minimum Detectable Level **BDL= Below Detection Limit**
Units= PPB

Laboratory Director PH-0547

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client ID : HRP Associates Inc.
Lab Number : 797068
PO Number : SPC0003.RC
Date of Rep.: 7-22-97

Date Samples Rec'd : 7-7-97
Date Samples Extracted : 7-19-97
Date Samples Tested : 7/19--7/21/97
Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Outdoor Composite**
CTL Sample Number : 7714

EPA METHOD 8270	MDL	**RESULTS**	
o-Toluidine	500	BDL	
1,2,4-Trichlorobenzene	100	BDL	
2,4,5-Trichlorophenol	500	BDL	
2,4,6-Trichlorophenol	500	BDL	
0,0,0-Triethyl phosphorothioate	500	BDL	
sym-Trinitrobenzene	500	BDL	

MDL= Minimum Detectable Level **BDL= Below Detection Limit**
Units= PPB

Laboratory Director PH-0547

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client ID : HRP Associates Inc.
Lab Number : 797068
PO Number : SPC0003.RA
Date of Rep.: 7-22-97

Date Samples Rec'd : 7-7-97
Date Samples Extracted : 7-14-97
Date Samples Tested : 7-15-97
Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Sump Composite**
CTL Sample Number : 7713

EPA METHOD 8080		MDL	**RESULTS**	
Aldrin		100	BDL	
a-BHC		100	BDL	
b-BHC		100	BDL	
d-BHC		100	BDL	
Lindane		100	BDL	
Chlordane		100	BDL	
4,4'-DDD		100	BDL	
4,4'-DDE		100	BDL	
4,4'-DDT		100	BDL	
Dieldrin		100	BDL	
Endosulfan I		100	BDL	
Endosulfan II		100	BDL	
Endosulfan Sulfate		100	BDL	
Endrin		10.0	BDL	
Endrin aldehyde		100	BDL	
Heptachlor		100	BDL	
Heptachlor epoxide		100	BDL	
Methoxychlor		100	BDL	
Toxaphene		100	BDL	
PCB-1016		100	BDL	
PCB-1221		100	BDL	
PCB-1232		100	BDL	
PCB-1242		100	BDL	
PCB-1248		100	BDL	
PCB-1254		100	BDL	
PCB-1260		100	BDL	

MDL= Minimum Detectable Level **BDL= Below Detection Limit**
Units= PPB

Laboratory Director PH-0547

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client ID : HRP Associates Inc.
Lab Number : 797068
PO Number : SPC0003.RA
Date of Rep.: 7-22-97

Date Samples Rec'd : 7-7-97
Date Samples Extracted : 7-14-97
Date Samples Tested : 7-15-97
Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Outdoor Composite**
CTL Sample Number : 7714

EPA METHOD 8080		MDL	**RESULTS**	
Aldrin		100	BDL	
a-BHC		100	BDL	
b-BHC		100	BDL	
d-BHC		100	BDL	
Lindane		100	BDL	
Chlordane		100	BDL	
4,4'-DDD		100	BDL	
4,4'-DDE		100	BDL	
4,4'-DDT		100	BDL	
Dieldrin		100	BDL	
Endosulfan I		100	BDL	
Endosulfan II		100	BDL	
Endosulfan Sulfate		100	BDL	
Endrin		10.0	BDL	
Endrin aldehyde		100	BDL	
Heptachlor		100	BDL	
Heptachlor epoxide		100	BDL	
Methoxychlor		100	BDL	
Toxaphene		100	BDL	
PCB-1016		100	BDL	
PCB-1221		100	BDL	
PCB-1232		100	BDL	
PCB-1242		100	BDL	
PCB-1248		100	BDL	
PCB-1254		100	BDL	
PCB-1260		100	BDL	

MDL= Minimum Detectable Level **BDL= Below Detection Limit**
Units= PPB

Laboratory Director PH-0547

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client ID : HRP Associates Inc.
Lab Number : 797068
PO Number : SPC0003.RA
Date of Rep.: 7-22-97

Date Samples Rec'd : 7-7-97
Date Samples Extracted : 7-10-97
Date Samples Tested : 7/10--7/16/97
Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Sump Composite**
CTL Sample Number : 7713

EPA METHOD 8150	MDL	**RESULTS**	
2,4-D	100	BDL	
2,4,5-T	100	BDL	
2,4,5-TP	100	BDL	
Dinoseb	100	BDL	

MDL= Minimum Detectable Level **BDL= Below Detection Limit**
Units= PPB

Laboratory Director PH-0547

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client ID : HRP Associates Inc.
Lab Number : 797068
PO Number : SPC0003.RA
Date of Rep.: 7-22-97

Date Samples Rec'd : 7-7-97
Date Samples Extracted : 7-10-97
Date Samples Tested : 7/10--7/16/97
Collected By : Client
Matrix Type : Concrete Chip

Client Sample ID : **Outdoor Composite**
CTL Sample Number : 7714

EPA METHOD 8150	MDL	**RESULTS**	
2,4-D	100	BDL	
2,4,5-T	100	BDL	
2,4,5-TP	100	BDL	
Dinoseb	100	BDL	

MDL= Minimum Detectable Level
Units= PPB

BDL= Below Detection Limit

Laboratory Director PH-0547

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client ID : HRP Associates Inc.
Lab Number : 797068
PO Number : SPC0003.RA
Date of Rep.: 7-22-97

Date Samples Rec'd : 7-7-97
Date Samples Extracted : 7-19-97
Date Samples Tested : 7/19--7/21/97
Collected By : Client
Matrix Type : Concrete Chips

Client Sample ID : **Sump Composite**
CTL Sample Number : 7713

EPA METHOD 8280	MDL	**RESULTS**	
Polychlorinated dibenzo-p-dioxins	*	BDL	
Polychlorinated dibenzofurans	*	BDL	
2,3,7,8-TCDD	*	BDL	

ND = None Detected

Laboratory Director PH-0547

*** The method used serves for qualification purposes only.**

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client ID : HRP Associates Inc.
Lab Number : 797068
PO Number : SPC0003.RA
Date of Rep.: 7-22-97

Date Samples Rec'd : 7-7-97
Date Samples Extracted : 7-19-97
Date Samples Tested : 7/19--7/21/97
Collected By : Client
Matrix Type : Concrete Chips

Client Sample ID : **Outdoor Composite**
CTL Sample Number : 7714

EPA METHOD 8280	MDL	**RESULTS**	
Polychlorinated dibenzo-p-dioxins	*	BDL	
Polychlorinated dibenzofurans	*	BDL	
2,3,7,8-TCDD	*	BDL	

ND = None Detected

Laboratory Director PH-0547

*** The method used serves for qualification purposes only.**

797068

HRP Associates, Inc.
167 New Britain Avenue
Plainville, CT 06062
Phone: 860-793-6899
Fax: 860-793-6871

HRP

CHAIN OF CUSTODY

Sheet 1 of 1
Job Number SPC0003.RC
Project Manager MCP/CRS

Place & Address of Collection SPC DIVESTITURES, 375 BARNUM AVE. CUT-OFF, STRATFORD
Samplers Name (Signature) RJB/CDR
Assistant (Witness)(Signature)

Sample Number	Sample Location	Container Type	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
1	SUMP #2	G	8oz.	COOL	7/2/97	A.M.		X			CONCRETE CHIP
2	CC-7	↓	8oz.	↓	↓	↓		↓			↓
3	SUMP COMPOSITE	↓	1L	↓	↓	↓		↓			↓
4	OUTDOOR COMPOSITE	↓	1L	↓	↓	↓		↓			↓

Relinquished By (Signature) [signature] Received By (Signature) [signature] Date 7/7/97 Time 1:00
Relinquished By (Signature) Received By (Signature) Date Time

Name & Address of Laboratory CTL, MERIDEN

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ Filter ☐ Adjust pH to _____ Priority ☐

Other

ANALYSES REQUIRED

Parameters	Sample Number					Parameters	Sample Number 1	2	3	4	
pH						TPH 418.1					
Ag						TOC					
Al						TOX					
As						STD Water					
Ba						Total Coliform					
Cd						Fluoride					
CN-A						Chloride					
CN-T						8010/601					
Cr^{+6}						8015					
Cr-T						8020/602					
Cu						8020 + MTBE					
Fe-D						8080					
Hg						8100					
Ni						8 TCLP Metals					
Pb						APPENDIX IX VOLATILES	X	X			
Se											
Sp. Cond.						REMAINING					
TDS						APPENDIX IX			X	X	
Zn						PARAMETERS					

Remarks PLEASE FAX RESULTS AS THEY BECOME AVAILABLE

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№ 7139

APPENDIX P

RESULTS OF HRP SUBSURFACE SOIL SAMPLING

RECEIVED
APR 20 1998
HRP ASSOCIATES, INC.

April 13, 1998

HRP Associates Inc.
167 New Britain Ave
Plainville, CT 06062

Attn: Ms. Pat Terwilliger

Please find attached laboratory report(s) for the samples submitted on : **March 27, 1998**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 398428
PO/JOB No.	: SPC0003.RC
INVOICE No.	: 71293
ORDER No.	: 51585
CUSTOMER No.	: 350

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 3/27/98

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 398428
Report Date: 4/13/98	PO/Job No. SPC0003.RC T08

RESULTS OF ANALYSIS

SPLP EPA 1312

Matrix Type: S

Field Id.	CTL	Arsenic -mg/L	Cadmium -mg/L	Antimony -mg/L	
Prim-CSA #1	3524	ND<0.05	ND<0.005	ND<0.006	
Prim-CSA #2	3525	ND<0.05	ND<0.005	ND<0.006	
Prim-CSA #3	3526	ND<0.05	ND<0.005	ND<0.006	
Prim-CSA #4	3527	ND<0.05	ND<0.005	ND<0.006	
EXC-II-East	3528	---	---	ND<0.006	
EXC-II-West	3529	---	---	0.040	
EXC-II-South	3530	---	---	0.012	
EXC-II-Base	3531	---	---	ND<0.006	

Matrix Type	S	S	S	S
CTL Sample No.	3524	3525	3526	3527
Field Id.	Prim-CSA #1	Prim-CSA #2	Prim-CSA #3	Prim-CSA #4
Phenols-ppm	ND<2	ND<2	ND<2	ND<2

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 3/27/98

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 398428
Report Date: 4/13/98	PO/Job No. SPC0003.RC T08

RESULTS OF ANALYSIS

Mass Analysis EPA 3050A

Matrix Type: S

Field Id.	CTL	Arsenic -mg/kg	Cadmium -mg/kg	Antimony -mg/kg	
Prim-CSA #1	3524	20.8	ND<0.5	ND<10	
Prim-CSA #2	3525	4.2	ND<0.5	ND<10	
Prim-CSA #3	3526	16.6	ND<0.5	ND<10	
Prim-CSA #4	3527	46.2	0.7	ND<10	

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

398428

HRP Associates, Inc.
167 New Britain Avenue
Plainville, CT 06062
Phone: 860-793-6899
Fax: 860-793-6871

HRP

CHAIN OF CUSTODY

Sheet 1 of 2
Job Number SPC0003.RC T08
Project Manager MCP

Place & Address of Collection FORMER SPC 375 BARNUM AVE, CUT-OFF STRATFORD, CT

Samplers Name (Signature) [signature]

Assistant (Witness)(Signature)

Sample Number	Sample Location	Container Type	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
1	PRIM-CSA-#1	G	8oz.	COOL	3/27/98	A.M.		X			
2	PRIM-CSA-#2	↓	↓	↓	↓	↓		↓			
3	PRIM-CSA-#3										
4	PRIM-CSA-#4										
5	EXC-IC-EAST										

Relinquished By (Signature) [signature] Received By (Signature) [signature] Date 3/27/98 Time 354

Relinquished By (Signature) Received By (Signature) Date Time

Name & Address of Laboratory CTL MERIDEN, CT

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ Filter ☐ Adjust pH to _____ Priority ☐

Other

ANALYSES REQUIRED

Parameters	Sample Number 1-4	5				Parameters	Sample Number 1-4	5			
pH						TPH 418.1					
Ag						TOC					
Al						TOX					
As	X					STD Water					
Ba						Total Coliform					
Cd	X					Fluoride					
CN-A						Chloride					
CN-T						8010/601					
Cr^{+6}						8015					
Cr-T						8020/602					
Cu						8020 + MTBE					
Fe-D						8080					
Hg						8100					
Ni						8 TCLP Metals					
ANTIMONY	X	X				PHENOL	X				
Pb											
Se											
Sp. Cond.											
TDS											
Zn											

Remarks SAMPLES 1-4: As + Cd VIA MASS ANALYSIS
ANTIMONY VIA MASS + SPLP
SAMPLE 5: ANTIMONY VIA SPLP ONLY.

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№ 8251

HRP Associates, Inc.
167 New Britain Avenue
Plainville, CT 06062
Phone: 860-793-6899
Fax: 860-793-6871

HRP

CHAIN OF CUSTODY

Sheet 2 of 2
Job Number SPC0003.RC T08
Project Manager MCP

Place & Address of Collection FORMER SPC 375 BARNUM AVE. CUT-OFF STRATFORD, CT
Samplers Name (Signature)
Assistant (Witness)(Signature)

Sample Number	Sample Location	Container Type	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
6	EXC-II -WEST	G	8oz.	Cool	3/27/98	A.M.		X			
7	EXC-II -SOUTH	↓	↓	↓	↓			↓			
8	EXC-II -BASE	↓	↓	↓	↓			↓			

Relinquished By (Signature)	Received By (Signature)	Date	Time
		3-27-98	354
Relinquished By (Signature)	Received By (Signature)	Date	Time

Name & Address of Laboratory CTL MERIDEN, CT

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ Filter ☐ Adjust pH to _____ Priority ☐

Other

ANALYSES REQUIRED

Parameters	Sample Number 6-8					Parameters	Sample Number				
pH						TPH 418.1					
Ag						TOC					
Al						TOX					
As						STD Water					
Ba						Total Coliform					
Cd						Fluoride					
CN-A						Chloride					
CN-T						8010/601					
Cr^{+6}						8015					
Cr-T						8020/602					
Cu						8020 + MTBE					
Fe-D						8080					
Hg						8100					
Na						8 TCLP Metals					
*ANTIMONY	X										
Pb											
Se											
Sp. Cond.											
TDS											
Zn											

Remarks ANTIMONY VIA SPLP ONLY.

White Copy - Accounting Yellow Copy - Lab Pink Copy - Field Services Gold Copy - Job File

№ 8252

November 6, 1997

HRP Associates Inc.
167 New Britain Ave
Plainville, CT 06062

Attn: Ms. Pat Terwilliger

RECEIVED
NOV 12 1997
HRP LAB

Please find attached laboratory report(s) for the samples submitted on : **October 15, 1997**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No. : 107239
PO/JOB No. : SPC0004.RC
INVOICE No. : 68934
ORDER No. : 49144
CUSTOMER No. : 350

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 10/15/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107239
Report Date: 11/4/97	PO/Job No. SPC0004.RC T05

RESULTS OF ANALYSIS

SPLP EPA 1312

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**12625**	**12626**	**12627**	**12628**
Field Id.	**TKRM-3 3-3.5'**	**OUT-SUB-1**	**OUT-SUB-2**	**AREA II LAT-1**
Silver-mg/L	ND<0.01	ND<0.01	ND<0.01	ND<0.01
Antimony-mg/L	0.093	0.041	0.049	0.033
Arsenic-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Barium-mg/L	0.9	ND<0.5	ND<0.5	ND<0.5
Cadmium-mg/L	0.007	ND<0.005	ND<0.005	ND<0.005
Cobalt-mg/L	ND<0.1	ND<0.1	ND<0.1	ND<0.1
Chromium, Total-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Copper-mg/L	0.02	ND<0.01	ND<0.01	ND<0.01
Mercury-mg/L	ND<0.002	ND<0.002	ND<0.002	ND<0.002
Beryllium-mg/L	ND<0.004	ND<0.004	ND<0.004	ND<0.004
Nickel-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Lead-mg/L	0.008	0.006	ND<0.005	0.009
Tin-mg/L	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Vanadium-mg/L	ND<0.1	ND<0.1	ND<0.1	ND<0.1
Zinc-mg/L	0.10	ND<0.05	ND<0.05	0.08

Extracted By SPLP EPA 1312

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**12625**	**12626**	**12627**	**12628**
Field Id.	**TKRM-3 3-3.5'**	**OUT-SUB-1**	**OUT-SUB-2**	**AREA II LAT-1**
Cyanide, Total-mg/L	---	ND<0.05	ND<0.05	ND<0.05

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 10/15/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107239
Report Date: 11/4/97	PO/Job No. SPC0004.RC T05

RESULTS OF ANALYSIS

SPLP EPA 1312

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**12629**	**12630**	**12631**	**12632**
Field Id.	**AREA II LAT-2**	**OUT-LAT-1**	**OUT-LAT-2**	**OUT-LAT-3**
Silver-mg/L	ND<0.01	ND<0.01	ND<0.01	ND<0.01
Antimony-mg/L	0.087	0.062	0.009	0.022
Arsenic-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Barium-mg/L	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Cadmium-mg/L	0.011	0.014	ND<0.005	ND<0.005
Cobalt-mg/L	ND<0.1	ND<0.1	ND<0.1	ND<0.1
Chromium, Total-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Copper-mg/L	ND<0.01	0.02	0.02	0.02
Mercury-mg/L	ND<0.002	ND<0.002	ND<0.002	ND<0.002
Beryllium-mg/L	ND<0.004	ND<0.004	ND<0.004	ND<0.004
Nickel-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Lead-mg/L	0.008	0.031	0.028	0.019
Tin-mg/L	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Vanadium-mg/L	ND<0.1	ND<0.1	ND<0.1	ND<0.1
Zinc-mg/L	ND<0.05	0.42	0.26	0.34

Extracted By SPLP EPA 1312

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**12629**	**12630**	**12631**	**12632**
Field Id.	**AREA II LAT-2**	**OUT-LAT-1**	**OUT-LAT-2**	**OUT-LAT-3**
Cyanide, Total-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 10/15/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107239
Report Date: 11/4/97	PO/Job No. SPC0004.RC T05

RESULTS OF ANALYSIS

SPLP EPA 1312

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**12633**	**12634**	**12635**	**12636**
Field Id.	**OUT-LAT-4**	**SEC-SUB-1**	**SEC-SUB-2**	**SEC-SUB-3**
Silver-mg/L	ND<0.01	ND<0.01	ND<0.01	ND<0.01
Antimony-mg/L	ND<0.006	0.012	0.016	0.023
Arsenic-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Barium-mg/L	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Cadmium-mg/L	ND<0.005	ND<0.005	ND<0.005	ND<0.005
Cobalt-mg/L	ND<0.1	ND<0.1	ND<0.1	ND<0.1
Chromium, Total-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Copper-mg/L	0.01	ND<0.01	0.01	ND<0.01
Mercury-mg/L	ND<0.002	ND<0.002	ND<0.002	ND<0.002
Beryllium-mg/L	ND<0.004	ND<0.004	ND<0.004	ND<0.004
Nickel-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Lead-mg/L	0.027	0.011	0.018	0.011
Tin-mg/L	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Vanadium-mg/L	ND<0.1	ND<0.1	ND<0.1	ND<0.1
Zinc-mg/L	0.08	ND<0.05	ND<0.05	ND<0.05

Extracted By SPLP EPA 1312

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**12633**	**12634**	**12635**	**12636**
Field Id.	**OUT-LAT-4**	**SEC-SUB-1**	**SEC-SUB-2**	**SEC-SUB-3**
Cyanide, Total-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Date Samples Received : 10/15/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107239
Report Date: 11/4/97	PO/Job No. SPC0004.RC T05

RESULTS OF ANALYSIS

SPLP EPA 1312

Matrix Type	**S**	**S**		
CTL Sample No.	**12637**	**12638**		
Field Id.	**SEC-SUB-4**	**SEC-SUB-5**		
Silver-mg/L	ND<0.01	ND<0.01		
Antimony-mg/L	0.015	0.038		
Arsenic-mg/L	ND<0.05	ND<0.05		
Barium-mg/L	ND<0.5	ND<0.5		
Cadmium-mg/L	ND<0.005	0.018		
Cobalt-mg/L	ND<0.1	ND<0.1		
Chromium, Total-mg/L	ND<0.05	ND<0.05		
Copper-mg/L	ND<0.01	ND<0.01		
Mercury-mg/L	ND<0.002	ND<0.002		
Beryllium-mg/L	ND<0.004	ND<0.004		
Nickel-mg/L	ND<0.05	ND<0.05		
Lead-mg/L	0.007	ND<0.005		
Tin-mg/L	ND<0.5	ND<0.5		
Vanadium-mg/L	ND<0.1	ND<0.1		
Zinc-mg/L	ND<0.05	0.07		

Extracted By SPLP EPA 1312

Matrix Type	**S**	**S**		
CTL Sample No.	**12637**	**12638**		
Field Id.	**SEC-SUB-4**	**SEC-SUB-5**		
Cyanide, Total-mg/L	ND<0.05	ND<0.05		

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Date Samples Received : 10/15/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107239
Report Date: 11/4/97	PO/Job No. SPC0004.RC T05

RESULTS OF ANALYSIS

Mass Analysis EPA 3050A

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**12625**	**12626**	**12627**	**12628**
Field Id.	**TKRM-3 3-3.5'**	**OUT-SUB-1**	**OUT-SUB-2**	**AREA II LAT-1**
Silver-mg/kg	ND<0.2	ND<0.2	ND<0.2	ND<0.2
Antimony-mg/kg	10.0	ND<10.0	ND<10.0	ND<10.0
Arsenic-mg/kg	2.7	2.9	3.0	2.8
Barium-mg/kg	376	17.0	24.2	80.3
Cadmium-mg/kg	22.0	10.5	12.1	16.1
Cobalt-mg/kg	3.9	2.5	3.8	5.9
Chromium, Total-mg/kg	7.2	3.6	4.5	7.1
Copper-mg/kg	9.0	8.1	9.3	28.1
Mercury-mg/kg	ND<0.02	0.05	0.04	0.02
Beryllium-mg/kg	ND<0.4	ND<0.4	ND<0.4	ND<0.4
Nickel-mg/kg	8.3	6.6	8.2	12.4
Lead-mg/kg	8.2	3.0	3.4	24.3
Tin-mg/kg	800	ND<20	ND<20	ND<20
Vanadium-mg/kg	16.2	11.4	13.8	19.0
Zinc-mg/kg	36.6	41.5	64.9	333

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Date Samples Received : 10/15/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107239
Report Date: 11/4/97	PO/Job No. SPC0004.RC T05

RESULTS OF ANALYSIS

Mass Analysis EPA 3050A

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**12629**	**12630**	**12631**	**12632**
Field Id.	**AREA II LAT-2**	**OUT-LAT-1**	**OUT-LAT-2**	**OUT-LAT-3**
Silver-mg/kg	ND<0.2	ND<0.2	ND<0.2	ND<0.2
Antimony-mg/kg	12.0	43.0	ND<10.0	ND<10.0
Arsenic-mg/kg	2.4	10.5	10.3	7.6
Barium-mg/kg	184	470	165	64.8
Cadmium-mg/kg	27.6	100	25.1	ND<0.5
Cobalt-mg/kg	5.8	4.3	4.3	5.9
Chromium, Total-mg/kg	13.0	12.5	10.3	9.7
Copper-mg/kg	42.4	104	1,440	107
Mercury-mg/kg	0.09	3.64	6.06	0.19
Beryllium-mg/kg	ND<0.4	ND<0.4	ND<0.4	0.4
Nickel-mg/kg	13.0	24.4	15.1	14.7
Lead-mg/kg	28.8	220	164	130
Tin-mg/kg	ND<20	90	ND<20	ND<20
Vanadium-mg/kg	15.5	28.8	26.8	35.4
Zinc-mg/kg	134	4,210	2,590	394

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Date Samples Received : 10/15/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107239
Report Date: 11/4/97	PO/Job No. SPC0004.RC T05

RESULTS OF ANALYSIS

Mass Analysis EPA 3050A

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**12633**	**12634**	**12635**	**12636**
Field Id.	**OUT-LAT-4**	**SEC-SUB-1**	**SEC-SUB-2**	**SEC-SUB-3**
Silver-mg/kg	ND<0.2	ND<0.2	ND<0.2	ND<0.2
Antimony-mg/kg	ND<10.0	ND<10.0	ND<10.0	ND<10.0
Arsenic-mg/kg	7.3	3.9	7.1	3.7
Barium-mg/kg	79.3	40.8	61.6	50.7
Cadmium-mg/kg	1.1	8.9	0.8	6.2
Cobalt-mg/kg	5.5	3.6	5.4	5.5
Chromium, Total-mg/kg	8.9	4.7	6.2	6.1
Copper-mg/kg	89.6	44.5	66.2	32.3
Mercury-mg/kg	0.17	0.05	0.12	0.04
Beryllium-mg/kg	ND<0.4	ND<0.4	ND<0.4	0.4
Nickel-mg/kg	14.2	8.8	11.6	9.0
Lead-mg/kg	138	58.9	114	35.1
Tin-mg/kg	ND<20	ND<20	ND<20	ND<20
Vanadium-mg/kg	38.1	19.2	26.7	23.3
Zinc-mg/kg	560	109	225	107

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Date Samples Received : 10/15/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107239
Report Date: 11/4/97	PO/Job No. SPC0004.RC T05

RESULTS OF ANALYSIS

Mass Analysis EPA 3050A

Matrix Type	**S**	**S**		
CTL Sample No.	**12637**	**12638**		
Field Id.	**SEC-SUB-4**	**SEC-SUB-5**		
Silver-mg/kg	ND<0.2	ND<0.2		
Antimony-mg/kg	ND<10.0	ND<10.0		
Arsenic-mg/kg	4.1	3.7		
Barium-mg/kg	47.8	56.3		
Cadmium-mg/kg	ND<0.5	28.7		
Cobalt-mg/kg	4.1	7.2		
Chromium, Total-mg/kg	5.3	17.0		
Copper-mg/kg	15.9	23.7		
Mercury-mg/kg	0.03	0.04		
Beryllium-mg/kg	ND<0.4	0.4		
Nickel-mg/kg	8.5	13.3		
Lead-mg/kg	14.4	22.9		
Tin-mg/kg	ND<20	ND<20		
Vanadium-mg/kg	25.2	28.5		
Zinc-mg/kg	38.6	195		

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Date Samples Received : 10/15/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107239
Report Date: 11/4/97	PO/Job No. SPC0004.RC T05

RESULTS OF ANALYSIS

Matrix Type: S

Field Id	CTL #	Cyanide, Total-ppm			
OUT-SUB-1	12626	ND<1.0			
OUT-SUB-2	12627	ND<1.0			
AREA II LAT-1	12628	ND<1.0			
AREA II LAT-2	12629	ND<1.0			
OUT-LAT-1	12630	ND<1.0			
OUT-LAT-2	12631	ND<1.0			
OUT-LAT-3	12632	ND<1.0			
OUT-LAT-4	12633	ND<1.0			
SEC-SUB-1	12634	ND<1.0			
SEC-SUB-2	12635	ND<1.0			
SEC-SUB-3	12636	ND<1.0			
SEC-SUB-4	12637	ND<1.0			
SEC-SUB-5	12638	ND<1.0			

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Date Samples Received : 10/15/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107239
Report Date: 11/4/97	PO/Job No. SPC0004.RC T05

RESULTS OF ANALYSIS

Matrix Type: S

Field Id	CTL #	Cyanide, Amenable-ppm			
OUT-SUB-1	12626	ND<1.0			
OUT-SUB-2	12627	ND<1.0			
AREA II LAT-1	12628	ND<1.0			
AREA II LAT-2	12629	ND<1.0			
OUT-LAT-1	12630	ND<1.0			
OUT-LAT-2	12631	ND<1.0			
OUT-LAT-3	12632	ND<1.0			
OUT-LAT-4	12633	ND<1.0			
SEC-SUB-1	12634	ND<1.0			
SEC-SUB-2	12635	ND<1.0			
SEC-SUB-3	12636	ND<1.0			
SEC-SUB-4	12637	ND<1.0			
SEC-SUB-5	12638	ND<1.0			

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Date Samples Received : 10/15/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107239
Report Date: 11/4/97	PO/Job No. SPC0004.RC T05

RESULTS OF ANALYSIS

Matrix Type: S

Field Id	CTL #	Phenols-ppm			
TKRM-3,3.5	12625	2,300			
OUT-SUB-1	12626	ND<5			
OUT-SUB-2	12627	ND<5			
AREA II LAT-1	12628	ND<5			
AREA II LAT-2	12629	ND<5			
OUT-LAT-1	12630	ND<5			
OUT-LAT-2	12631	11			
OUT-LAT-3	12632	ND<5			
OUT-LAT-4	12633	ND<5			
SEC-SUB-1	12634	ND<5			
SEC-SUB-2	12635	ND<5			
SEC-SUB-3	12636	ND<5			
SEC-SUB-4	12637	ND<5			
SEC-SUB-5	12638	ND<5			

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Date Samples Received : 10/15/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107239
Report Date: 11/4/97	PO/Job No. SPC0004.RC T05

RESULTS OF ANALYSIS

Matrix Type: S

Field Id	CTL #	Oil & Grease-(TPH)-ppm			
TKRM-3,3.5	12625	16,840			
OUT-SUB-1	12626	64			
OUT-SUB-2	12627	48			
AREA II LAT-1	12628	428			
AREA II LAT-2	12629	348			
OUT-LAT-1	12630	408			
OUT-LAT-2	12631	980			
OUT-LAT-3	12632	72			
OUT-LAT-4	12633	28			
SEC-SUB-1	12634	80			
SEC-SUB-2	12635	104			
SEC-SUB-3	12636	300			
SEC-SUB-4	12637	140			
SEC-SUB-5	12638	360			

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
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(203)-634-3731
Connecticut Certification No. PH-0547

Client	: HRP Associates, Inc.	Date Analyzed	: 10/25-27/97
Lab No.	: 107239	Date Extracted	: 10/24/97
PO No.	: SPC0004.RC T05	Analyst	: YK
Rep. Date	: 11/4/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10/15/97**

	MDL	*			
Matrix Type :		**S**	**S**	**S**	**S**
CTL SAMPLE # :		**12625**	**12626**	**12627**	**12628**
Field ID :		**TKRM-3 3-3.5'**	**OUT-SUB-1**	**OUT-SUB-2**	**AREA II LAT-1**
Dichlorodifluoromethane	10	BDL	BDL	BDL	BDL
Chloromethane	10	BDL	BDL	BDL	BDL
Vinyl Chloride	10	BDL	BDL	BDL	BDL
Chloroethane	10	BDL	BDL	BDL	BDL
Bromomethane	10	BDL	BDL	BDL	BDL
Trichlorofluoromethane	10	BDL	BDL	BDL	BDL
Acrolein	10	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	10	BDL	BDL	BDL	BDL
Iodomethane	10	BDL	BDL	BDL	BDL
Allyl Chloride	10	BDL	BDL	BDL	BDL
Acrylonitrile	10	BDL	BDL	BDL	BDL
Methylene Chloride	10	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	10	BDL	BDL	BDL	BDL
1,1-Dichloroethane	10	BDL	BDL	BDL	BDL
2-Butanone(MEK)	10	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	10	BDL	BDL	BDL	BDL
Chloroform	10	BDL	BDL	BDL	BDL
Methacrylonitrile	10	BDL	BDL	BDL	BDL
Propionitrile	10	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	10	BDL	BDL	BDL	BDL
Carbontetrachloride	10	BDL	BDL	BDL	BDL
Benzene	10	2,416.0	BDL	BDL	BDL
1,2-Dichloroethane	10	BDL	BDL	BDL	BDL
Trichloroethylene	10	BDL	BDL	BDL	BDL
1,2-Dichloropropane	10	BDL	BDL	BDL	BDL
Methyl Methacrylate	10	BDL	BDL	BDL	BDL
Bromodichloromethane	10	BDL	BDL	BDL	BDL
Dibromomethane	10	BDL	BDL	BDL	BDL
2-Chlorethylvinylether	10	BDL	BDL	BDL	BDL
4-Methyl-2-pentanone(MIBK)	10	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropylene	10	BDL	BDL	BDL	BDL
Toluene	10	18,068.0	BDL	BDL	BDL
trans-1,3Dichloropropylene	10	BDL	BDL	BDL	BDL
2-Hexanone(MBK)	10	BDL	BDL	BDL	BDL
Ethyl Methacrylate	10	BDL	BDL	BDL	BDL

MDL = Minimum Detectable Level/**BDL** = Below Detection Level/**UNITS**= PPB
Matrix Type: W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons
*MDL are 10 times higher than indicated

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: HRP Associates, Inc.	Date Analyzed	: 10/25-27/97
Lab No.	: 107239	Date Extracted	: 10/24/97
PO No.	: SPC0004.RC T05	Analyst	: YK
Rep. Date	: 11/4/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10/15/97**

Matrix Type :		* S	S	S	S
CTL SAMPLE # :		12625	12626	12627	12628
Field ID :		TKRM-3 3-3.5'	OUT-SUB-1	OUT-SUB-2	AREA II LAT-1
	MDL				
1,1,2-Trichloroethane	10	BDL	BDL	BDL	BDL
Tetrachloroethylene	10	BDL	BDL	BDL	BDL
Dibromochloromethane	10	BDL	BDL	BDL	BDL
1,2-Dibromoethane(EDB)	10	BDL	BDL	BDL	BDL
Chlorobenzene	10	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
Ethylbenzene	10	BDL	BDL	BDL	BDL
P/M-Xylenes	10	181.0	BDL	BDL	BDL
O Xylene	10	BDL	BDL	BDL	BDL
Styrene	10	BDL	BDL	BDL	BDL
Bromoform	10	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	10	BDL	BDL	BDL	BDL
1,4-Dichloro-2-butene	10	BDL	BDL	BDL	BDL
Pentachloroethane	10	BDL	BDL	BDL	BDL
Benzyl Chloride	10	BDL	BDL	BDL	BDL
DBCP	10	BDL	BDL	BDL	BDL
Acetone	50	BDL	BDL	BDL	BDL

MDL = Minimum Detectable Level/**BDL** = Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

*MDL are 10 times higher than indicated

Client	: HRP Associates, Inc.	Date Analyzed	: 10/25-27/97
Lab No.	: 107239	Date Extracted	: 10/24/97
PO No.	: SPC0004.RC T05	Analyst	: YK
Rep. Date	: 11/4/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10/15/97**

Matrix Type :		S	S	S	S
CTL SAMPLE # :		12629	12630	12631	12632
Field ID :		AREA II LAT-2	OUT-LAT-1	OUT-LAT-2	OUT-LAT-3
	MDL				
Dichlorodifluoromethane	10	BDL	BDL	BDL	BDL
Chloromethane	10	BDL	BDL	BDL	BDL
Vinyl Chloride	10	BDL	BDL	BDL	BDL
Chloroethane	10	BDL	BDL	BDL	BDL
Bromomethane	10	BDL	BDL	BDL	BDL
Trichlorofluoromethane	10	BDL	BDL	BDL	BDL
Acrolein	10	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	10	BDL	BDL	BDL	BDL
Iodomethane	10	BDL	BDL	BDL	BDL
Allyl Chloride	10	BDL	BDL	BDL	BDL
Acrylonitrile	10	BDL	BDL	BDL	BDL
Methylene Chloride	10	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	10	BDL	BDL	BDL	BDL
1,1-Dichloroethane	10	BDL	BDL	BDL	BDL
2-Butanone(MEK)	10	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	10	BDL	BDL	BDL	BDL
Chloroform	10	BDL	BDL	BDL	BDL
Methacrylonitrile	10	BDL	BDL	BDL	BDL
Propionitrile	10	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	10	BDL	BDL	BDL	BDL
Carbontetrachloride	10	BDL	BDL	BDL	BDL
Benzene	10	BDL	BDL	BDL	BDL
1,2-Dichloroethane	10	BDL	BDL	BDL	BDL
Trichloroethylene	10	BDL	BDL	BDL	BDL
1,2-Dichloropropane	10	BDL	BDL	BDL	BDL
Methyl Methacrylate	10	BDL	BDL	BDL	BDL
Bromodichloromethane	10	BDL	BDL	BDL	BDL
Dibromomethane	10	BDL	BDL	BDL	BDL
2-Chlorethylvinylether	10	BDL	BDL	BDL	BDL
4-Methyl-2-pentanone(MIBK)	10	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropylene	10	BDL	BDL	BDL	BDL
Toluene	10	BDL	BDL	BDL	BDL
trans-1,3Dichloropropylene	10	BDL	BDL	BDL	BDL
2-Hexanone(MBK)	10	BDL	BDL	BDL	BDL
Ethyl Methacrylate	10	BDL	BDL	BDL	BDL

MDL = Minimum Detectable Level/**BDL** = Below Detection Level/**UNITS** = PPB
Matrix Type: W = Water/Aqueous **S** = Soil/Solid **O** = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: HRP Associates, Inc.	Date Analyzed	: 10/25-27/97
Lab No.	: 107239	Date Extracted	: 10/24/97
PO No.	: SPC0004.RC T05	Analyst	: YK
Rep. Date	: 11/4/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10/15/97**

Matrix Type :		S	S	S	S
CTL SAMPLE # :		12629	12630	12631	12632
Field ID :		AREA II LAT-2	OUT-LAT-1	OUT-LAT-2	OUT-LAT-3
	MDL				
1,1,2-Trichloroethane	10	BDL	BDL	BDL	BDL
Tetrachloroethylene	10	BDL	BDL	BDL	BDL
Dibromochloromethane	10	BDL	BDL	BDL	BDL
1,2-Dibromoethane(EDB)	10	BDL	BDL	BDL	BDL
Chlorobenzene	10	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
Ethylbenzene	10	BDL	BDL	BDL	BDL
P/M Xylenes	10	BDL	BDL	BDL	BDL
O Xylene	10	BDL	BDL	BDL	BDL
Styrene	10	BDL	BDL	BDL	BDL
Bromoform	10	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	10	BDL	BDL	BDL	BDL
1,4-Dichloro-2-butene	10	BDL	BDL	BDL	BDL
Pentachloroethane	10	BDL	BDL	BDL	BDL
Benzyl Chloride	10	BDL	BDL	BDL	BDL
DBCP	10	BDL	BDL	BDL	BDL
Acetone	50	BDL	BDL	BDL	BDL

MDL = Minimum Detectable Level/**BDL** = Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

Client	: HRP Associates, Inc.	Date Analyzed	: 10/25-27/97
Lab No.	: 107239	Date Extracted	: 10/24/97
PO No.	: SPC0004.RC T05	Analyst	: YK
Rep. Date	: 11/4/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10/15/97**

Matrix Type :		S	S	S	S
CTL SAMPLE # :		12633	12634	12635	12636
Field ID :		OUT-LAT-4	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3
	MDL				
Dichlorodifluoromethane	10	BDL	BDL	BDL	BDL
Chloromethane	10	BDL	BDL	BDL	BDL
Vinyl Chloride	10	BDL	BDL	BDL	BDL
Chloroethane	10	BDL	BDL	BDL	BDL
Bromomethane	10	BDL	BDL	BDL	BDL
Trichlorofluoromethane	10	BDL	BDL	BDL	BDL
Acrolein	10	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	10	BDL	BDL	BDL	BDL
Iodomethane	10	BDL	BDL	BDL	BDL
Allyl Chloride	10	BDL	BDL	BDL	BDL
Acrylonitrile	10	BDL	BDL	BDL	BDL
Methylene Chloride	10	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	10	BDL	BDL	BDL	BDL
1,1-Dichloroethane	10	BDL	BDL	BDL	BDL
2-Butanone(MEK)	10	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	10	BDL	BDL	BDL	BDL
Chloroform	10	BDL	BDL	BDL	BDL
Methacrylonitrile	10	BDL	BDL	BDL	BDL
Propionitrile	10	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	10	BDL	BDL	BDL	BDL
Carbontetrachloride	10	BDL	BDL	BDL	BDL
Benzene	10	BDL	BDL	BDL	BDL
1,2-Dichloroethane	10	BDL	BDL	BDL	BDL
Trichloroethylene	10	BDL	BDL	BDL	BDL
1,2-Dichloropropane	10	BDL	BDL	BDL	BDL
Methyl Methacrylate	10	BDL	BDL	BDL	BDL
Bromodichloromethane	10	BDL	BDL	BDL	BDL
Dibromomethane	10	BDL	BDL	BDL	BDL
2-Chlorethylvinylether	10	BDL	BDL	BDL	BDL
4-Methyl-2-pentanone(MIBK)	10	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropylene	10	BDL	BDL	BDL	BDL
Toluene	10	BDL	BDL	BDL	BDL
trans-1,3Dichloropropylene	10	BDL	BDL	BDL	BDL
2-Hexanone(MBK)	10	BDL	BDL	BDL	BDL
Ethyl Methacrylate	10	BDL	BDL	BDL	BDL

MDL = Minimum Detectable Level/**BDL** = Below Detection Level/**UNITS**= PPB
Matrix Type: W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: HRP Associates, Inc.	Date Analyzed	: 10/25-27/97
Lab No.	: 107239	Date Extracted	: 10/24/97
PO No.	: SPC0004.RC T05	Analyst	: YK
Rep. Date	: 11/4/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10/15/97**

Matrix Type :		S	S	S	S
CTL SAMPLE # :		12633	12634	12635	12636
Field ID :		OUT-LAT-4	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3
	MDL				
1,1,2-Trichloroethane	10	BDL	BDL	BDL	BDL
Tetrachloroethylene	10	BDL	BDL	BDL	BDL
Dibromochloromethane	10	BDL	BDL	BDL	BDL
1,2-Dibromoethane(EDB)	10	BDL	BDL	BDL	BDL
Chlorobenzene	10	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
Ethylbenzene	10	BDL	BDL	BDL	BDL
P/M Xylenes	10	BDL	BDL	BDL	BDL
O Xylene	10	BDL	BDL	BDL	BDL
Styrene	10	BDL	BDL	BDL	BDL
Bromoform	10	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	10	BDL	BDL	BDL	BDL
1,4-Dichloro-2-butene	10	BDL	BDL	BDL	BDL
Pentachloroethane	10	BDL	BDL	BDL	BDL
Benzyl Chloride	10	BDL	BDL	BDL	BDL
DBCP	10	BDL	BDL	BDL	BDL
Acetone	50	BDL	BDL	BDL	BDL

MDL = Minimum Detectable Level/**BDL** = Below Detection Level/**UNITS** = PPB

Matrix Type: W = Water/Aqueous **S** = Soil/Solid **O** = Oil/Hydrocarbons

Client	: HRP Associates, Inc.	Date Analyzed	: 10/25-27/97
Lab No.	: 107239	Date Extracted	: 10/24/97
PO No.	: SPC0004.RC T05	Analyst	: YK
Rep. Date	: 11/4/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10/15/97**

Matrix Type :		**S**	**S**		
CTL SAMPLE # :		**12637**	**12638**		
Field ID :		**SEC-SUB-4**	**SEC-SUB-5**		
	MDL				
Dichlorodifluoromethane	10	BDL	BDL		
Chloromethane	10	BDL	BDL		
Vinyl Chloride	10	BDL	BDL		
Chloroethane	10	BDL	BDL		
Bromomethane	10	BDL	BDL		
Trichlorofluoromethane	10	BDL	BDL		
Acrolein	10	BDL	BDL		
1,1-Dichloroethylene	10	BDL	BDL		
Iodomethane	10	BDL	BDL		
Allyl Chloride	10	BDL	BDL		
Acrylonitrile	10	BDL	BDL		
Methylene Chloride	10	BDL	BDL		
trans-1,2-Dichloroethylene	10	BDL	BDL		
1,1-Dichloroethane	10	BDL	BDL		
2-Butanone(MEK)	10	BDL	BDL		
cis-1,2-Dichloroethylene	10	BDL	BDL		
Chloroform	10	BDL	BDL		
Methacrylonitrile	10	BDL	BDL		
Propionitrile	10	BDL	BDL		
1,1,1-Trichloroethane	10	BDL	BDL		
Carbontetrachloride	10	BDL	BDL		
Benzene	10	BDL	BDL		
1,2-Dichloroethane	10	BDL	BDL		
Trichloroethylene	10	BDL	BDL		
1,2-Dichloropropane	10	BDL	BDL		
Methyl Methacrylate	10	BDL	BDL		
Bromodichloromethane	10	BDL	BDL		
Dibromomethane	10	BDL	BDL		
2-Chlorethylvinylether	10	BDL	BDL		
4-Methyl-2-pentanone(MIBK)	10	BDL	BDL		
cis-1,3-Dichloropropylene	10	BDL	BDL		
Toluene	10	BDL	BDL		
trans-1,3Dichloropropylene	10	BDL	BDL		
2-Hexanone(MBK)	10	BDL	BDL		
Ethyl Methacrylate	10	BDL	BDL		

MDL = Minimum Detectable Level/**BDL** = Below Detection Level/**UNITS**= PPB
Matrix Type: W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: HRP Associates, Inc.	Date Analyzed	: 10/25-27/97
Lab No.	: 107239	Date Extracted	: 10/24/97
PO No.	: SPC0004.RC T05	Analyst	: YK
Rep. Date	: 11/4/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10/15/97**

Matrix Type :		**S**	**S**		
CTL SAMPLE # :		**12637**	**12638**		
Field ID :		**SEC-SUB-4**	**SEC-SUB-5**		
	MDL				
1,1,2-Trichloroethane	10	BDL	BDL		
Tetrachloroethylene	10	BDL	BDL		
Dibromochloromethane	10	BDL	BDL		
1,2-Dibromoethane(EDB)	10	BDL	BDL		
Chlorobenzene	10	BDL	BDL		
1,1,1,2-Tetrachloroethane	10	BDL	BDL		
Ethylbenzene	10	BDL	BDL		
P/M Xylenes	10	BDL	BDL		
O Xylene	10	BDL	BDL		
Styrene	10	BDL	BDL		
Bromoform	10	BDL	BDL		
1,1,2,2-Tetrachloroethane	10	BDL	BDL		
1,2,3-Trichloropropane	10	BDL	BDL		
1,4-Dichloro-2-butene	10	BDL	BDL		
Pentachloroethane	10	BDL	BDL		
Benzyl Chloride	10	BDL	BDL		
DBCP	10	BDL	BDL		
Acetone	50	BDL	BDL		

MDL = Minimum Detectable Level/**BDL** = Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

Client :	HRP Associates, Inc.	Date Extracted :	10/27-28/97
Lab No. :	107239	Date Analyzed :	10/29-31/97
PO No. :	SPC0004.RC T05	Analyst :	YK
Rep. Date :	11/4/97		

EPA METHOD 8060 GC/MS **Date Samples Rec'd : 10/15/97**

	MDL	*			
Matrix Type :		**S**	**S**	**S**	**S**
CTL SAMPLE # :		**12625**	**12626**	**12627**	**12628**
Field ID :		**TKRM-3 3-3.5'**	**OUT-SUB-1**	**OUT-SUB-2**	**AREA II LAT-1**
Bis(2-ethylhexyl)phthalate	20	2,130.0	BDL	BDL	BDL
Di-n-butyl phthalate	20	451.0	BDL	BDL	BDL
Di-n-octyl phthalate	20	320.0	BDL	BDL	BDL
Dimethyl phthalate	20	BDL	BDL	BDL	BDL

* MDL= 10 times the level indicated

MDL= Minimum Detectable Level/**BDL=** Below Detection Level/**UNITS=** PPB

Matrix Type : W= Water/Aqueous **S=** Soil/Solid **O=** Oil/Hydrocarbons

Client :	HRP Associates, Inc.	Date Extracted :	10/27-28/97
Lab No. :	107239	Date Analyzed :	10/29-31/97
PO No. :	SPC0004.RC T05	Analyst :	YK
Rep. Date :	11/4/97		

EPA METHOD 8060 GC/MS **Date Samples Rec'd : 10/15/97**

Matrix Type :		**S**	**S**	**S**	**S**
CTL SAMPLE # :		**12629**	**12630**	**12631**	**12632**
Field ID :		**AREA II LAT-2**	**OUT-LAT-1**	**OUT-LAT-2**	**OUT-LAT-3**
	MDL				
Bis(2-ethylhexyl)phthalate	20	42.0	65.0	36.0	BDL
Di-n-butyl phthalate	20	BDL	BDL	BDL	BDL
Di-n-octyl phthalate	20	BDL	BDL	BDL	BDL
Dimethyl phthalate BDL	20	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : **W**= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

Client :	HRP Associates, Inc.	Date Extracted :	10/27-28/97
Lab No. :	107239	Date Analyzed :	10/29-31/97
PO No. :	SPC0004.RC T05	Analyst :	YK
Rep. Date :	11/4/97		

EPA METHOD 8060 GC/MS **Date Samples Rec'd : 10/15/97**

Matrix Type :		S	S	S	S
CTL SAMPLE # :		12633	12634	12635	12636
Field ID :		OUT-LAT-4	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3
	MDL				
Bis(2-ethylhexyl)phthalate	20	BDL	34.0	43.0	49.0
Di-n-butyl phthalate	20	BDL	BDL	BDL	BDL
Di-n-octyl phthalate	20	BDL	BDL	BDL	BDL
Dimethyl phthalate	20	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : **W**= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

Client :	HRP Associates, Inc.	Date Extracted :	10/27-28/97
Lab No. :	107239	Date Analyzed :	10/29-31/97
PO No. :	SPC0004.RC T05	Analyst :	YK
Rep. Date :	11/4/97		

EPA METHOD 8060 GC/MS **Date Samples Rec'd : 10/15/97**

Matrix Type :		**S**	**S**		
CTL SAMPLE # :		**12637**	**12638**		
Field ID :		**SEC-SUB-4**	**SEC-SUB-5**		
	MDL				
Bis(2-ethylhexyl)phthalate	20	BDL	BDL		
Di-n-butyl phthalate	20	BDL	BDL		
Di-n-octyl phthalate	20	BDL	BDL		
Dimethyl phthalate	20	BDL	BDL		

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : **W**= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

107239

HRP Associates, Inc.
167 New Britain Avenue
Plainville, CT 06062
Phone: 860-793-6899
Fax: 860-793-6871

HRP

CHAIN OF CUSTODY

Sheet 1 of 3
Job Number SPC0004.RC TO5
Project Manager MCP

Place & Address of Collection: FORMER SPC 375 BARNUM AVE, CUT-OFF STRATFORD

Samplers Name (Signature): [signature]

Assistant (Witness)(Signature):

Sample Number	Sample Location	Container Type	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
1	TKRM-3 2'-3.5'	G	8oz	Cool	10/13/97	14:00		X			
2	OUT-SUB-1	↓	↓	↓	10/14/97	14:40		↓			
3	OUT-SUB-2				10/14/97	14:55					
4	AREA II-LAT-1				10/15/97	09:06					
5	AREA II-LAT-2	↓	↓	↓	10/15/97	09:15		↓			

Relinquished By (Signature): [signature]	Received By (Signature): [signature]	Date: 10/15/97	Time: 3:50
Relinquished By (Signature):	Received By (Signature):	Date:	Time:

Name & Address of Laboratory: CTL, MERIDEN, CT

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ | Filter ☐ | Adjust pH to _____ | Priority ☐

Other

ANALYSES REQUIRED

Parameters	Sample Number 1	2-5			
pH					
Ag	X	X			
Antimony	X	X			
As	X	X			
Ba	X	X			
Cd	X	X			
CN-A		X			
CN-T		X			
Cobalt	X	X			
Cr-T	X	X			
Cu	X	X			
[redacted]					
Hg	X	X			
Beryllium		X			
Ni	X	X			
Pb	X	X			
Tin	X	X			
Sp. Cond.					
V	X	X			
Zn	X	X			

Parameters	Sample Number 1	2-5			
TPH 418.1	X	X			
Phenol	X	X			
TOX					
STD Water					
Total Coliform					
Fluoride					
Chloride					
8010/601					
8015					
8020/602					
8020 + MTBE					
8080					
8100					
8 TCLP Metals					
8240+Acetone	X	X			
Dioctyl Phthalate	X	X			
Dibutyl Phthalate	X	X			
Dimethyl Phthalate	X	X			
Bis(2-Ethyl Hexyl) Phthalate	X	X			

Remarks: METALS VIA MASS + SPLP (CN⁻ ALSO)
VOLS, + SEMI-VOLS, VIA MASS

White Copy - Accounting Yellow Copy - Lab Pink Copy - Field Services Gold Copy - Job File

№ 7622

HRP Associates, Inc.
167 New Britain Avenue
Plainville, CT 06062
Phone: 860-793-6899
Fax: 860-793-6871

HRP

CHAIN OF CUSTODY

Sheet 2 of 3
Job Number SPC0004, RC T05
Project Manager MCP

Place & Address of Collection FORMER SPC 375 BARNUM AVE, CUT-OFF. STRATFORD, CT
Samplers Name (Signature)
Assistant (Witness)(Signature)

Sample Number	Sample Location	Container Type	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
6	OUT-LAT -1	G	8oz.	COOL	10/15/97	08:20		X			
7	OUT-LAT -2	↓	↓	↓	↓	08:27		↓			
8	OUT-LAT -3					08:34					
9	OUT-LAT -4					08:42					
~~10~~	~~OUT-LAT~~										

Relinquished By (Signature)	Received By (Signature)	Date 10/15/97	Time 8:50
Relinquished By (Signature)	Received By (Signature)	Date	Time

Name & Address of Laboratory CTL MERIDEN, CT

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ | Filter ☐ | Adjust pH to _____ | Priority ☐

Other

ANALYSES REQUIRED

Parameters	Sample Number 6-9					Parameters	Sample Number 6-9				
pH						TPH 418.1	X				
Ag	X					PHENOL	X				
ANTIMONY	X					TOX					
As	X					STD Water					
Ba	X					Total Coliform					
Cd	X					Fluoride					
CN-A	X					Chloride					
CN-T	X					8010/601					
COBALT	X					8015					
Cr-T	X					8020/602					
Cu	X					8020 + MTBE					
Fe-D						8080					
Hg	X					8100					
BERYLLIUM	X					8 TCLP Metals					
Ni	X					8240+ACETONE	X				
Pb	X					DEOCTYL PHTHALATE	X				
TIN	X					DIBUTYL PHTHALATE	X				
Sp. Cond.						DIDIETHYL PHTHALATE	X				
V	X					BIS (2-ETHYL HEXYL) PHTHALATE	X				
Zn	X										

Remarks METALS VIA MASS + SPLP (CN⁻ ALSO)
VOLS, + SEMI-VOLS, VIA MASS,

White Copy - Accounting Yellow Copy - Lab Pink Copy - Field Services Gold Copy - Job File

№ 7623

HRP Associates, Inc.
167 New Britain Avenue
Plainville, CT 06062
Phone: 860-793-6899
Fax: 860-793-6871

HRP

CHAIN OF CUSTODY

Sheet 3 of 3
Job Number SPC 0004, RC TOS
Project Manager MCP

Place & Address of Collection FORMER SPC 375 BARNUM AVE. CUT-OFF STRATFORD
Samplers Name (Signature) [illegible]
Assistant (Witness)(Signature)

Sample Number	Sample Location	Container Type	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
10	SEC-SUB -1	G	8oz.	Cool	10/15/97	09:57		X			
11	SEC-SUB -2	↓	↓	↓	↓	10:07		↓			
12	SEC-SUB -3					10:15					
13	SEC-SUB -4					10:25					
14	SEC-SUB -5					10:37					

Relinquished By (Signature) [illegible] Received By (Signature) [illegible] Date 10/15/97 Time 3:55
Relinquished By (Signature) Received By (Signature) Date Time

Name & Address of Laboratory CTL MERIDEN, CT

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ Filter ☐ Adjust pH to _____ Priority ☐

Other

ANALYSES REQUIRED

Parameters	Sample Number 10-14					Parameters	Sample Number 10-14				
pH						TPH 418.1	X				
Ag	X					PHENOL	X				
ANTIMONY	X					TOX					
As	X					STD Water					
Ba	X					Total Coliform					
Cd	X					Fluoride					
CN-A	X					Chloride					
CN-T	X					8010/601					
COBALT	X					8015					
Cr-T	X					8020/602					
Cu	X					8020 + MTBE					
Fe-D						8080					
Hg	X					8100					
BERYLLIUM	X					8 TCLP Metals					
Ni	X					8240+ACETONE	X				
Pb	X					DIOCTYL PHTHALATE	X				
TIN	X					DIBUTYL PHTHALATE	X				
Sp. Cond.						DIMETHYL PHTHALATE	X				
V	X					BIS(2-ETHYL HEXYL) PHTHALATE	X				
Zn	X										

Remarks METALS VIA MASS + SPLP (CN-1 ALSO)
VOLS, + SEMI-VOLS, VIA MASS

White Copy - Accounting Yellow Copy - Lab Pink Copy - Field Services Gold Copy - Job File

№ 7624

Date S

Client
Report

RESULT

Mass A

Matrix
CTL Sa
Field

Silver-
Antimo
Arseni
Barium-
Cadmiu
Cobalt-
Chromi
Copper-
Mercur
Nickel-
Lead-m
Tin-mg
Vanadi
Zinc-m

Matrix
CTL Sa
Field

Phenol-
Oil &

Matri

October 27, 1997

RECEIVED
OCT 30 1997
HRP ASSOCIATES, INC.

HRP Associates Inc.
167 New Britain Ave
Plainville, CT 06062

Attn: Ms. Pat Terwilliger

Please find attached laboratory report(s) for the samples submitted on **October 10, 1997**

All pertinent information for this analysis is located on the report. Should necessary to contact us regarding billing and or the test results, please ha following information readily available :

LAB No.	:	107168
PO/JOB No.	:	SPC0004.RC
INVOICE No.	:	68701
ORDER No.	:	48903
CUSTOMER No.	:	350

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHE
Labo
PHONE ■ 2
165 GRACEY AVENUE ■ MERIDE

Date Samples Received : 10/10/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107168
Report Date: 10/27/97	PO/Job No. SPC0004.RC T-5

RESULTS OF ANALYSIS

Mass Analysis EPA 3050A

Matrix Type:	**S**	**S**	**S**	**S**
CTL Sample No.:	**12430**	**12431**	**12432**	**12433**
Field Id.:	**FTRM-9**	**FTRM-10**	**FTRM-11**	**FTRM-12**
Silver-mg/kg	ND<0.2	ND<0.2	ND<0.2	ND<0.2
Antimony-mg/kg	ND<10	ND<10	ND<10	ND<10
Arsenic-mg/kg	5.4	10.6	23.7	4.6
Barium-mg/kg	60.2	255	80.0	37.1
Cadmium-mg/kg	ND<0.5	ND<0.5	ND<0.5	1.1
Cobalt-mg/kg	9.0	7.0	10	5.0
Chromium, Total-mg/kg	31.7	13.4	13.6	10.8
Copper-mg/kg	51.1	23.3	37.4	20.5
Mercury-mg/kg	12.8	0.08	0.04	0.13
Nickel-mg/kg	27.4	10.9	14.8	6.9
Lead-mg/kg	66.2	45.2	15.2	33.7
Tin-mg/kg	210	80	ND<20	ND<20
Vanadium-mg/kg	31.7	21.7	21.8	14.0
Zinc-mg/kg	1,135	116	57.5	109

Matrix Type:	**S**	**S**	**S**	**S**
CTL Sample No.:	**12430**	**12431**	**12432**	**12433**
Field Id.:	**FTRM-9**	**FTRM-10**	**FTRM-11**	**FTRM-12**
Phenol-ppm	ND<1	952	ND<1	14.8
Oil & Grease (TPH)-ppm	56	18,356	44	168

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Date Samples Received : 10/10/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107168
Report Date: 10/27/97	PO/Job No. SPC0004.RC T-5

RESULTS OF ANALYSIS

Mass Analysis EPA 3050A

Matrix Type:	**S**	**S**	**S**	**S**
CTL Sample No.:	**12434**	**12435**	**12436**	**12437**
Field Id.:	**FTRM-13**	**FTRM-14**	**FTRM-15**	**FTRM-16**
Silver-mg/kg	ND<0.2	ND<0.2	ND<0.2	ND<0.2
Antimony-mg/kg	ND<10	10	ND<10	ND<10
Arsenic-mg/kg	4.7	4.6	6.3	3.2
Barium-mg/kg	32.9	265	24.9	17.6
Cadmium-mg/kg	0.8	116	ND<0.5	ND<0.5
Cobalt-mg/kg	8.0	5.0	5.0	4.0
Chromium, Total-mg/kg	13.5	15.2	10.4	8.3
Copper-mg/kg	26.3	14.1	8.2	11.7
Mercury-mg/kg	0.15	0.37	ND<0.02	0.02
Nickel-mg/kg	7.6	11.1	8.7	8.0
Lead-mg/kg	31.0	8.1	11.7	4.3
Tin-mg/kg	ND<20	90	ND<20	ND<20
Vanadium-mg/kg	16.8	18.4	20.0	13.0
Zinc-mg/kg	106	490	35.2	79.6

Matrix Type:	**S**	**S**	**S**	**S**
CTL Sample No.:	**12434**	**12435**	**12436**	**12437**
Field Id.:	**FTRM-13**	**FTRM-14**	**FTRM-15**	**FTRM-16**
Phenol-ppm	17.6	1,425	ND<1	9.6
Oil & Grease (TPH)-ppm	508	14,300	ND<25	48

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 10/10/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107168
Report Date: 10/27/97	PO/Job No. SPC0004.RC T-5

RESULTS OF ANALYSIS

Mass Analysis EPA 3050A

Matrix Type:	**S**	**S**		
CTL Sample No.:	**12438**	**12439**		
Field Id.:	**FTRM-17**	**FTRM-18**		
Silver-mg/kg	ND<0.2	ND<0.2		
Antimony-mg/kg	ND<10	ND<10		
Arsenic-mg/kg	4.4	7.9		
Barium-mg/kg	23.1	53.8		
Cadmium-mg/kg	ND<0.5	3.3		
Cobalt-mg/kg	4.0	11		
Chromium, Total-mg/kg	11.3	31.7		
Copper-mg/kg	7.4	6,380		
Mercury-mg/kg	0.04	0.13		
Nickel-mg/kg	7.9	139		
Lead-mg/kg	5.5	785		
Tin-mg/kg	ND<20	300		
Vanadium-mg/kg	20.9	6.9		
Zinc-mg/kg	204	2,230		

Matrix Type:	**S**	**S**		
CTL Sample No.:	**12438**	**12439**		
Field Id.:	**FTRM-17**	**FTRM-18**		
Phenol-ppm	ND<1	ND<1		
Oil & Grease (TPH)-ppm	ND<25	392		

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Date Samples Received : 10/10/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107168
Report Date: 10/27/97	PO/Job No. SPC0004.RC T-5

RESULTS OF ANALYSIS

SPLP EPA 1312

Matrix Type:	**S**	**S**	**S**	**S**
CTL Sample No.:	**12422**	**12423**	**12424**	**12425**
Field Id.:	**FTRM-1**	**FTRM-2**	**FTRM-3**	**FTRM-4**
Silver-mg/L	ND<0.01	ND<0.01	ND<0.01	ND<0.01
Antimony-mg/L	ND<0.006	0.140	ND<0.006	ND<0.006
Arsenic-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Barium-mg/L	ND<0.5	ND<0.5	0.6	ND<0.5
Cadmium-mg/L	ND<0.005	ND<0.005	ND<0.005	ND<0.005
Cobalt-mg/L	ND<0.1	ND<0.1	ND<0.1	ND<0.1
Chromium, Total-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Copper-mg/L	ND<0.01	0.02	0.01	0.02
Mercury-mg/L	ND<0.002	ND<0.002	ND<0.002	ND<0.002
Nickel-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Lead-mg/L	ND<0.005	0.007	ND<0.005	ND<0.005
Tin-mg/L	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Vanadium-mg/L	ND<0.1	ND<0.1	ND<0.1	ND<0.1
Zinc-mg/L	0.06	ND<0.05	0.23	0.11

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Date Samples Received : 10/10/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107168
Report Date: 10/27/97	PO/Job No. SPC0004.RC T-5

RESULTS OF ANALYSIS

SPLP EPA 1312

Matrix Type:	**S**	**S**	**S**	**S**
CTL Sample No.:	**12426**	**12427**	**12428**	**12429**
Field Id.:	**FTRM-5**	**FTRM-6**	**FTRM-7**	**FTRM-8**
Silver-mg/L	ND<0.01	ND<0.01	ND<0.01	ND<0.01
Antimony-mg/L	ND<0.006	0.540	ND<0.006	ND<0.006
Arsenic-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Barium-mg/L	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Cadmium-mg/L	ND<0.005	0.007	ND<0.005	ND<0.005
Cobalt-mg/L	ND<0.1	ND<0.1	ND<0.1	ND<0.1
Chromium, Total-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Copper-mg/L	0.01	0.04	ND<0.01	0.01
Mercury-mg/L	ND<0.002	ND<0.002	ND<0.002	ND<0.002
Nickel-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Lead-mg/L	ND<0.005	ND<0.005	ND<0.005	ND<0.005
Tin-mg/L	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Vanadium-mg/L	ND<0.1	ND<0.1	ND<0.1	ND<0.1
Zinc-mg/L	0.13	0.05	ND<0.05	ND<0.05

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Date Samples Received : 10/10/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107168
Report Date: 10/27/97	PO/Job No. SPC0004.RC T-5

RESULTS OF ANALYSIS

SPLP EPA 1312

Matrix Type:	**S**	**S**	**S**	**S**
CTL Sample No.:	**12430**	**12431**	**12432**	**12433**
Field Id.:	**FTRM-9**	**FTRM-10**	**FTRM-11**	**FTRM-12**
Silver-mg/L	ND<0.01	ND<0.01	ND<0.01	ND<0.01
Antimony-mg/L	ND<0.006	0.055	ND<0.006	0.011
Arsenic-mg/L	ND<0.05	ND<0.05	0.13	ND<0.05
Barium-mg/L	ND<0.5	0.7	ND<0.5	0.7
Cadmium-mg/L	ND<0.005	0.021	ND<0.005	ND<0.005
Cobalt-mg/L	ND<0.1	ND<0.1	ND<0.1	ND<0.1
Chromium, Total-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Copper-mg/L	0.01	0.03	0.02	0.07
Mercury-mg/L	ND<0.002	ND<0.002	ND<0.002	ND<0.002
Nickel-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Lead-mg/L	0.005	ND<0.005	ND<0.005	0.056
Tin-mg/L	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Vanadium-mg/L	ND<0.1	ND<0.1	ND<0.1	ND<0.1
Zinc-mg/L	0.11	0.18	ND<0.05	0.08

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Date Samples Received : 10/10/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107168
Report Date: 10/27/97	PO/Job No. SPC0004.RC T-5

RESULTS OF ANALYSIS

SPLP EPA 1312

Matrix Type:	**S**	**S**	**S**	**S**
CTL Sample No.:	**12434**	**12435**	**12436**	**12437**
Field Id.:	**FTRM-13**	**FTRM-14**	**FTRM-15**	**FTRM-16**
Silver-mg/L	ND<0.01	ND<0.01	ND<0.01	ND<0.01
Antimony-mg/L	ND<0.006	0.380	ND<0.006	ND<0.006
Arsenic-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Barium-mg/L	1.3	ND<0.5	ND<0.5	ND<0.5
Cadmium-mg/L	ND<0.005	ND<0.005	ND<0.005	ND<0.005
Cobalt-mg/L	ND<0.1	ND<0.1	ND<0.1	ND<0.1
Chromium, Total-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Copper-mg/L	0.08	ND<0.01	0.01	0.02
Mercury-mg/L	ND<0.002	ND<0.002	ND<0.002	ND<0.002
Nickel-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Lead-mg/L	0.072	0.010	ND<0.005	ND<0.005
Tin-mg/L	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Vanadium-mg/L	ND<0.1	ND<0.1	ND<0.1	ND<0.1
Zinc-mg/L	0.11	ND<0.05	0.17	0.07

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Date Samples Received : 10/10/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107168
Report Date: 10/27/97	PO/Job No. SPC0004.RC T-5

RESULTS OF ANALYSIS

SPLP EPA 1312

Matrix Type:	**S**	**S**		
CTL Sample No.:	**12438**	**12439**		
Field Id.:	**FTRM-17**	**FTRM-18**		
Silver-mg/L	ND<0.01	ND<0.01		
Antimony-mg/L	ND<0.006	0.017		
Arsenic-mg/L	ND<0.05	ND<0.05		
Barium-mg/L	0.9	ND<0.5		
Cadmium-mg/L	ND<0.005	ND<0.005		
Cobalt-mg/L	ND<0.1	ND<0.1		
Chromium, Total-mg/L	ND<0.05	ND<0.05		
Copper-mg/L	0.02	0.41		
Mercury-mg/L	ND<0.002	ND<0.002		
Nickel-mg/L	ND<0.05	ND<0.05		
Lead-mg/L	ND<0.005	0.264		
Tin-mg/L	ND<0.5	ND<0.5		
Vanadium-mg/L	ND<0.1	ND<0.1		
Zinc-mg/L	0.38	0.23		

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Client	: HRP Associates, Inc.	Date Analyzed	: 10/22-10/25/97
Lab No.	: 107168	Date Extracted	: 10/20/97
PO No.	: SPC0004.RC T3	Analyst	: YK
Rep. Date	: 10/27/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10-10-97**

Matrix Type		**S**	**S**	**S**	**S**
CTL Sample No.		**12422**	**12423**	**12424**	**12425**
Field Id.		**FTRM-1**	**FTRM-2**	**FTRM-3**	**FTRM-4**
	MDL				
Dichlorodifluoromethane	10	BDL	BDL	BDL	BDL
Chloromethane	10	BDL	BDL	BDL	BDL
Vinyl Chloride	10	BDL	BDL	BDL	BDL
Chloroethane	10	BDL	BDL	BDL	BDL
Bromomethane	10	BDL	BDL	BDL	BDL
Trichlorofluoromethane	10	BDL	BDL	BDL	BDL
Acrolein	10	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	10	BDL	BDL	BDL	BDL
Iodomethane	10	BDL	BDL	BDL	BDL
Allyl Chloride	10	BDL	BDL	BDL	BDL
Acrylonitrile	10	BDL	BDL	BDL	BDL
Methylene Chloride	10	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	10	BDL	BDL	BDL	BDL
1,1-Dichloroethane	10	BDL	BDL	BDL	BDL
2-Butanone(MEK)	10	BDL	165.0	BDL	BDL
cis-1,2-Dichloroethylene	10	BDL	BDL	BDL	BDL
Chloroform	10	BDL	BDL	BDL	BDL
Methacrylonitrile	10	BDL	BDL	BDL	BDL
Propionitrile	10	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	10	BDL	BDL	BDL	BDL
Carbontetrachloride	10	BDL	BDL	BDL	BDL
Benzene	10	BDL	17.0	25.0	BDL
1,2-Dichloroethane	10	BDL	BDL	BDL	BDL
Trichloroethylene	10	BDL	BDL	BDL	BDL
1,2-Dichloropropane	10	BDL	BDL	BDL	BDL
Methyl Methacrylate	10	BDL	BDL	BDL	BDL
Bromodichloromethane	10	BDL	BDL	BDL	BDL
Dibromomethane	10	BDL	BDL	BDL	BDL
2-Chlorethylvinylether	10	BDL	BDL	BDL	BDL
4-Methyl-2-pentanone(MIBK)	10	BDL	34.0	BDL	BDL
cis-1,3-Dichloropropylene	10	BDL	BDL	BDL	BDL
Toluene	10	BDL	1,639.0	BDL	BDL
trans-1,3Dichloropropylene	10	BDL	BDL	BDL	BDL
2-Hexanone(MBK)	10	BDL	BDL	BDL	BDL
Ethyl Methacrylate	10	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type:W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: HRP Associates, Inc.	Date Analyzed	: 10/22-10/25/97
Lab No.	: 107168	Date Extracted	: 10/20/97
PO No.	: SPC0004.RC T3	Analyst	: YK
Rep. Date	: 10/27/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10-10-97**

Matrix Type		S	S	S	S
CTL Sample No.		12422	12423	12424	12425
Field Id.		FTRM-1	FTRM-2	FTRM-3	FTRM-4
	MDL				
1,1,2-Trichloroethane	10	BDL	BDL	BDL	BDL
Tetrachloroethylene	10	BDL	BDL	BDL	BDL
Dibromochloromethane	10	BDL	BDL	BDL	BDL
1,2-Dibromoethane(EDB)	10	BDL	BDL	BDL	BDL
Chlorobenzene	10	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
Ethylbenzene	10	BDL	12.0	BDL	BDL
P/M Xylenes	10	BDL	51.0	BDL	BDL
O Xylene	10	BDL	20.0	BDL	BDL
Styrene	10	BDL	32.0	BDL	BDL
Bromoform	10	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	10	BDL	BDL	BDL	BDL
1,4-Dichloro-2-butene	10	BDL	BDL	BDL	BDL
Pentachloroethane	10	BDL	BDL	BDL	BDL
Benzyl Chloride	10	BDL	BDL	BDL	BDL
DBCP	10	BDL	BDL	BDL	BDL
Acetone	50	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type:W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

Client	: HRP Associates, Inc.	Date Analyzed	: 10/22-10/25/97
Lab No.	: 107168	Date Extracted	: 10/20/97
PO No.	: SPC0004.RC T3	Analyst	: YK
Rep. Date	: 10/27/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10-10-97**

Matrix Type		S	S	S	S
CTL Sample No.		12426	12427	12428	12429
Field Id.		FTRM-5	FTRM-6	FTRM-7	FTRM-8
	MDL				
Dichlorodifluoromethane	10	BDL	BDL	BDL	BDL
Chloromethane	10	BDL	BDL	BDL	BDL
Vinyl Chloride	10	BDL	BDL	BDL	BDL
Chloroethane	10	BDL	BDL	BDL	BDL
Bromomethane	10	BDL	BDL	BDL	BDL
Trichlorofluoromethane	10	BDL	BDL	BDL	BDL
Acrolein	10	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	10	BDL	BDL	BDL	BDL
Iodomethane	10	BDL	BDL	BDL	BDL
Allyl Chloride	10	BDL	BDL	BDL	BDL
Acrylonitrile	10	BDL	BDL	BDL	BDL
Methylene Chloride	10	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	10	BDL	BDL	BDL	BDL
1,1-Dichloroethane	10	BDL	BDL	BDL	BDL
2-Butanone(MEK)	10	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	10	BDL	BDL	BDL	BDL
Chloroform	10	BDL	BDL	BDL	BDL
Methacrylonitrile	10	BDL	BDL	BDL	BDL
Propionitrile	10	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	10	BDL	BDL	BDL	BDL
Carbontetrachloride	10	BDL	BDL	BDL	BDL
Benzene	10	BDL	BDL	BDL	BDL
1,2-Dichloroethane	10	BDL	BDL	BDL	BDL
Trichloroethylene	10	BDL	BDL	BDL	BDL
1,2-Dichloropropane	10	BDL	BDL	BDL	BDL
Methyl Methacrylate	10	BDL	BDL	BDL	BDL
Bromodichloromethane	10	BDL	BDL	BDL	BDL
Dibromomethane	10	BDL	BDL	BDL	BDL
2-Chlorethylvinylether	10	BDL	BDL	BDL	BDL
4-Methyl-2-pentanone(MIBK)	10	BDL	64.0	BDL	BDL
cis-1,3-Dichloropropylene	10	BDL	BDL	BDL	BDL
Toluene	10	BDL	BDL	BDL	BDL
trans-1,3Dichloropropylene	10	BDL	BDL	BDL	BDL
2-Hexanone(MBK)	10	BDL	BDL	BDL	BDL
Ethyl Methacrylate	10	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type:W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: HRP Associates, Inc.	Date Analyzed	: 10/22-10/25/97
Lab No.	: 107168	Date Extracted	: 10/20/97
PO No.	: SPC0004.RC T3	Analyst	: YK
Rep. Date	: 10/27/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10-10-97**

Matrix Type		S	S	S	S
CTL Sample No.		12426	12427	12428	12429
Field Id.		FTRM-5	FTRM-6	FTRM-7	FTRM-8
	MDL				
1,1,2-Trichloroethane	10	BDL	BDL	BDL	BDL
Tetrachloroethylene	10	BDL	BDL	BDL	BDL
Dibromochloromethane	10	BDL	BDL	BDL	BDL
1,2-Dibromoethane(EDB)	10	BDL	BDL	BDL	BDL
Chlorobenzene	10	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
Ethylbenzene	10	BDL	BDL	BDL	BDL
P/M Xylenes	10	BDL	BDL	BDL	BDL
O Xylene	10	BDL	BDL	BDL	BDL
Styrene	10	BDL	BDL	BDL	BDL
Bromoform	10	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	10	BDL	BDL	BDL	BDL
1,4-Dichloro-2-butene	10	BDL	BDL	BDL	BDL
Pentachloroethane	10	BDL	BDL	BDL	BDL
Benzyl Chloride	10	BDL	BDL	BDL	BDL
DBCP	10	BDL	BDL	BDL	BDL
Acetone	50	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type:W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

Client	: HRP Associates, Inc.	Date Analyzed	: 10/22-10/25/97
Lab No.	: 107168	Date Extracted	: 10/20/97
PO No.	: SPC0004.RC T3	Analyst	: YK
Rep. Date	: 10/27/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10-10-97**

Matrix Type		**S**	**S**	**S**	**S**
CTL Sample No.		**12430**	**12431**	**12432**	**12433**
Field Id.		**FTRM-9**	**FTRM-10**	**FTRM-11**	**FTRM-12**
	MDL				
Dichlorodifluoromethane	10	BDL	BDL	BDL	BDL
Chloromethane	10	BDL	BDL	BDL	BDL
Vinyl Chloride	10	BDL	BDL	BDL	BDL
Chloroethane	10	BDL	BDL	BDL	BDL
Bromomethane	10	BDL	BDL	BDL	BDL
Trichlorofluoromethane	10	BDL	BDL	BDL	BDL
Acrolein	10	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	10	BDL	BDL	BDL	BDL
Iodomethane	10	BDL	BDL	BDL	BDL
Allyl Chloride	10	BDL	BDL	BDL	BDL
Acrylonitrile	10	BDL	BDL	BDL	BDL
Methylene Chloride	10	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	10	BDL	BDL	BDL	BDL
1,1-Dichloroethane	10	BDL	BDL	BDL	BDL
2-Butanone(MEK)	10	BDL	115.0	BDL	235.0
cis-1,2-Dichloroethylene	10	BDL	BDL	BDL	BDL
Chloroform	10	BDL	BDL	BDL	BDL
Methacrylonitrile	10	BDL	BDL	BDL	BDL
Propionitrile	10	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	10	BDL	BDL	BDL	BDL
Carbontetrachloride	10	BDL	BDL	BDL	BDL
Benzene	10	BDL	21.0	BDL	121.0
1,2-Dichloroethane	10	BDL	BDL	BDL	BDL
Trichloroethylene	10	BDL	BDL	BDL	BDL
1,2-Dichloropropane	10	BDL	BDL	BDL	BDL
Methyl Methacrylate	10	BDL	BDL	BDL	BDL
Bromodichloromethane	10	BDL	BDL	BDL	BDL
Dibromomethane	10	BDL	BDL	BDL	BDL
2-Chlorethylvinylether	10	BDL	BDL	BDL	BDL
4-Methyl-2-pentanone(MIBK)	10	BDL	43.0	BDL	BDL
cis-1,3-Dichloropropylene	10	BDL	BDL	BDL	BDL
Toluene	10	BDL	402.0	BDL	17.0
trans-1,3Dichloropropylene	10	BDL	BDL	BDL	BDL
2-Hexanone(MBK)	10	BDL	43.0	BDL	28.0
Ethyl Methacrylate	10	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type:W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: HRP Associates, Inc.	Date Analyzed	: 10/22-10/25/97
Lab No.	: 107168	Date Extracted	: 10/20/97
PO No.	: SPC0004.RC T3	Analyst	: YK
Rep. Date	: 10/27/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10-10-97**

Matrix Type		S	S	S	S
CTL Sample No.		12430	12431	12432	12433
Field Id.		FTRM-9	FTRM-10	FTRM-11	FTRM-12
	MDL				
1,1,2-Trichloroethane	10	BDL	BDL	BDL	BDL
Tetrachloroethylene	10	BDL	BDL	BDL	BDL
Dibromochloromethane	10	BDL	BDL	BDL	BDL
1,2-Dibromoethane(EDB)	10	BDL	BDL	BDL	BDL
Chlorobenzene	10	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
Ethylbenzene	10	BDL	BDL	BDL	BDL
P/M Xylenes	10	BDL	26.0	BDL	BDL
O Xylene	10	BDL	BDL	BDL	BDL
Styrene	10	BDL	BDL	BDL	BDL
Bromoform	10	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	10	BDL	BDL	BDL	BDL
1,4-Dichloro-2-butene	10	BDL	BDL	BDL	BDL
Pentachloroethane	10	BDL	BDL	BDL	BDL
Benzyl Chloride	10	BDL	BDL	BDL	BDL
DBCP	10	BDL	BDL	BDL	BDL
Acetone	50	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type:W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

Client	: HRP Associates, Inc.	Date Analyzed	: 10/22-10/25/97
Lab No.	: 107168	Date Extracted	: 10/20/97
PO No.	: SPC0004.RC T3	Analyst	: YK
Rep. Date	: 10/27/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10-10-97**

Matrix Type		**S**	**S**	**S**	**S**
CTL Sample No.		**12434**	**12435**	**12436**	**12437**
Field Id.		**FTRM-13**	**FTRM-14**	**FTRM-15**	**FTRM-16**
	MDL				
Dichlorodifluoromethane	10	BDL	BDL	BDL	BDL
Chloromethane	10	BDL	BDL	BDL	BDL
Vinyl Chloride	10	BDL	BDL	BDL	BDL
Chloroethane	10	BDL	BDL	BDL	BDL
Bromomethane	10	BDL	BDL	BDL	BDL
Trichlorofluoromethane	10	BDL	BDL	BDL	BDL
Acrolein	10	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	10	BDL	BDL	BDL	BDL
Iodomethane	10	BDL	BDL	BDL	BDL
Allyl Chloride	10	BDL	BDL	BDL	BDL
Acrylonitrile	10	BDL	BDL	BDL	BDL
Methylene Chloride	10	BDL	21.0	BDL	BDL
trans-1,2-Dichloroethylene	10	BDL	BDL	BDL	BDL
1,1-Dichloroethane	10	BDL	BDL	BDL	BDL
2-Butanone(MEK)	10	340.0	972.0	BDL	BDL
cis-1,2-Dichloroethylene	10	BDL	BDL	BDL	BDL
Chloroform	10	BDL	BDL	BDL	BDL
Methacrylonitrile	10	BDL	BDL	BDL	BDL
Propionitrile	10	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	10	BDL	BDL	BDL	BDL
Carbontetrachloride	10	BDL	BDL	BDL	BDL
Benzene	10	133.0	239.0	42.0	BDL
1,2-Dichloroethane	10	BDL	BDL	BDL	BDL
Trichloroethylene	10	BDL	BDL	BDL	BDL
1,2-Dichloropropane	10	BDL	BDL	BDL	BDL
Methyl Methacrylate	10	BDL	BDL	BDL	BDL
Bromodichloromethane	10	BDL	BDL	BDL	BDL
Dibromomethane	10	BDL	BDL	BDL	BDL
2-Chlorethylvinylether	10	BDL	BDL	BDL	BDL
4-Methyl-2-pentanone(MIBK)	10	BDL	59.0	BDL	BDL
cis-1,3-Dichloropropylene	10	BDL	BDL	BDL	BDL
Toluene	10	BDL	9,036.0	BDL	BDL
trans-1,3Dichloropropylene	10	BDL	BDL	BDL	BDL
2-Hexanone(MBK)	10	37.0	33.0	BDL	BDL
Ethyl Methacrylate	10	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type:W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: HRP Associates, Inc.	Date Analyzed	: 10/22-10/25/97
Lab No.	: 107168	Date Extracted	: 10/20/97
PO No.	: SPC0004.RC T3	Analyst	: YK
Rep. Date	: 10/27/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10-10-97**

Matrix Type		S	S	S	S
CTL Sample No.		12434	12435	12436	12437
Field Id.		FTRM-13	FTRM-14	FTRM-15	FTRM-16
	MDL				
1,1,2-Trichloroethane	10	BDL	BDL	BDL	BDL
Tetrachloroethylene	10	BDL	BDL	BDL	BDL
Dibromochloromethane	10	BDL	BDL	BDL	BDL
1,2-Dibromoethane(EDB)	10	BDL	BDL	BDL	BDL
Chlorobenzene	10	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
Ethylbenzene	10	BDL	15.0	BDL	BDL
P/M Xylenes	10	BDL	29.0	10.0	BDL
O Xylene	10	BDL	14.0	BDL	BDL
Styrene	10	BDL	20.0	BDL	BDL
Bromoform	10	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	10	BDL	BDL	BDL	BDL
1,4-Dichloro-2-butene	10	BDL	BDL	BDL	BDL
Pentachloroethane	10	BDL	BDL	BDL	BDL
Benzyl Chloride	10	BDL	BDL	BDL	BDL
DBCP	10	BDL	BDL	BDL	BDL
Acetone	50	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type:W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

Client	: HRP Associates, Inc.	Date Analyzed	: 10/22-10/25/97
Lab No.	: 107168	Date Extracted	: 10/20/97
PO No.	: SPC0004.RC T3	Analyst	: YK
Rep. Date	: 10/27/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10-10-97**

Matrix Type		**S**	**S**		
CTL Sample No.		**12438**	**12439**		
Field Id.		**FTRM-17**	**FTRM-18**		
	MDL				
Dichlorodifluoromethane	10	BDL	BDL		
Chloromethane	10	BDL	BDL		
Vinyl Chloride	10	BDL	BDL		
Chloroethane	10	BDL	BDL		
Bromomethane	10	BDL	BDL		
Trichlorofluoromethane	10	BDL	BDL		
Acrolein	10	BDL	BDL		
1,1-Dichloroethylene	10	BDL	BDL		
Iodomethane	10	BDL	BDL		
Allyl Chloride	10	BDL	BDL		
Acrylonitrile	10	BDL	BDL		
Methylene Chloride	10	BDL	14.0		
trans-1,2-Dichloroethylene	10	BDL	BDL		
1,1-Dichloroethane	10	BDL	BDL		
2-Butanone(MEK)	10	BDL	128.0		
cis-1,2-Dichloroethylene	10	BDL	BDL		
Chloroform	10	BDL	BDL		
Methacrylonitrile	10	BDL	BDL		
Propionitrile	10	BDL	BDL		
1,1,1-Trichloroethane	10	BDL	BDL		
Carbontetrachloride	10	BDL	BDL		
Benzene	10	153.0	37.0		
1,2-Dichloroethane	10	BDL	BDL		
Trichloroethylene	10	BDL	BDL		
1,2-Dichloropropane	10	BDL	BDL		
Methyl Methacrylate	10	BDL	BDL		
Bromodichloromethane	10	BDL	BDL		
Dibromomethane	10	BDL	BDL		
2-Chlorethylvinylether	10	BDL	BDL		
4-Methyl-2-pentanone(MIBK)	10	BDL	BDL		
cis-1,3-Dichloropropylene	10	BDL	BDL		
Toluene	10	BDL	13.0		
trans-1,3Dichloropropylene	10	BDL	BDL		
2-Hexanone(MBK)	10	BDL	BDL		
Ethyl Methacrylate	10	BDL	BDL		

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type:W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: HRP Associates, Inc.	Date Analyzed	: 10/22-10/25/97
Lab No.	: 107168	Date Extracted	: 10/20/97
PO No.	: SPC0004.RC T3	Analyst	: YK
Rep. Date	: 10/27/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10-10-97**

Matrix Type		**S**	**S**		
CTL Sample No.		**12438**	**12439**		
Field Id.		**FTRM-17**	**FTRM-18**		
	MDL				
1,1,2-Trichloroethane	10	BDL	BDL		
Tetrachloroethylene	10	BDL	BDL		
Dibromochloromethane	10	BDL	BDL		
1,2-Dibromoethane(EDB)	10	BDL	BDL		
Chlorobenzene	10	BDL	BDL		
1,1,1,2-Tetrachloroethane	10	BDL	BDL		
Ethylbenzene	10	10.0	BDL		
P/M Xylenes	10	12.0	BDL		
O Xylene	10	BDL	BDL		
Styrene	10	BDL	BDL		
Bromoform	10	BDL	BDL		
1,1,2,2-Tetrachloroethane	10	BDL	BDL		
1,2,3-Trichloropropane	10	BDL	BDL		
1,4-Dichloro-2-butene	10	BDL	BDL		
Pentachloroethane	10	BDL	BDL		
Benzyl Chloride	10	BDL	BDL		
DBCP	10	BDL	BDL		
Acetone	50	BDL	BDL		

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type:W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

Client	: HRP Associates, Inc.	Date Analyzed	: 10/22-10/25/97
Lab No.	: 107168	Analyst	: YK
PO No.	: SPC0004.RC T3		
Rep. Date	: 10/27/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10-10-97**

	MDL				
Matrix Type		W	W		
Field Id.		MW-1	MW-2		
Dichlorodifluoromethane	1	BDL	BDL		
Chloromethane	1	BDL	BDL		
Vinyl Chloride	1	BDL	BDL		
Chloroethane	1	BDL	BDL		
Bromomethane	1	BDL	BDL		
Trichlorofluoromethane	1	BDL	BDL		
Acrolein	1	BDL	BDL		
1,1-Dichloroethylene	1	BDL	BDL		
Iodomethane	1	BDL	BDL		
Allyl Chloride	1	BDL	BDL		
Acrylonitrile	1	BDL	BDL		
Methylene Chloride	1	BDL	BDL		
trans-1,2-Dichloroethylene	1	BDL	BDL		
1,1-Dichloroethane	1	BDL	BDL		
2-Butanone(MEK)	1	BDL	69.0		
cis-1,2-Dichloroethylene	1	BDL	BDL		
Chloroform	1	BDL	BDL		
Methacrylonitrile	1	BDL	BDL		
Propionitrile	1	BDL	BDL		
1,1,1-Trichloroethane	1	BDL	BDL		
Carbontetrachloride	1	BDL	BDL		
Benzene	1	BDL	BDL		
1,2-Dichloroethane	1	BDL	BDL		
Trichloroethylene	1	BDL	BDL		
1,2-Dichloropropane	1	BDL	BDL		
Methyl Methacrylate	1	BDL	BDL		
Bromodichloromethane	1	BDL	BDL		
Dibromomethane	1	BDL	BDL		
2-Chlorethylvinylether	1	BDL	BDL		
4-Methyl-2-pentanone(MIBK)	1	6.0	BDL		
cis-1,3-Dichloropropylene	1	BDL	BDL		
Toluene	1	1.0	1.0		
trans-1,3Dichloropropylene	1	BDL	BDL		
2-Hexanone(MBK)	1	3.0	BDL		
Ethyl Methacrylate	1	BDL	BDL		

MDL = Minimum Detectable Level/**BDL** = Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
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Client	: HRP Associates, Inc.	Date Analyzed	: 10/22-10/25/97
Lab No.	: 107168	Date Extracted	: 10/20/97
PO No.	: SPC0004.RC T3	Analyst	: YK
Rep. Date	: 10/27/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 10-10-97**

	MDL				
Matrix Type :		W	W		
Field Id.		MW-1	MW-2		
1,1,2-Trichloroethane	1	BDL	BDL		
Tetrachloroethylene	1	BDL	BDL		
Dibromochloromethane	1	BDL	BDL		
1,2-Dibromoethane(EDB)	1	BDL	BDL		
Chlorobenzene	1	BDL	BDL		
1,1,1,2-Tetrachloroethane	1	BDL	BDL		
Ethylbenzene	1	BDL	BDL		
P/M Xylenes	1	BDL	BDL		
O Xylene	1	BDL	BDL		
Styrene	1	BDL	BDL		
Bromoform	1	BDL	BDL		
1,1,2,2-Tetrachloroethane	1	BDL	BDL		
1,2,3-Trichloropropane	1	BDL	BDL		
1,4-Dichloro-2-butene	1	BDL	BDL		
Pentachloroethane	1	BDL	BDL		
Benzyl Chloride	1	BDL	BDL		
DBCP	1	BDL	BDL		
Acetone	10	BDL	BDL		

MDL = Minimum Detectable Level/**BDL** = Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

Client	: HRP Associates, Inc.	Date Extracted:	10/21-10/22/97
Lab No.	: 107168	Date Analyzed :	10/21-10/23/97
PO No.	: SPC0004.RC T5	Analyst :	YK
Rep. Date	: 10/27/97		

EPA METHOD 8060 GC/MS Date Samples Rec'd : 10/10/97

Matrix Type		S	S *	S	S
CTL Sample No.		12422	12423	12424	12425
Field Id.		FTRM-1	FTRM-2	FTRM-3	FTRM-4
	MDL				
Bis(2-ethylhexyl)phthalate	20	BDL	1,611.0	BDL	BDL
Di-n-butyl phthalate	20	BDL	13,186.0	BDL	BDL
Di-n-octyl phthalate	20	BDL	BDL	BDL	BDL
Dimethyl phthalate	20	BDL	BDL	BDL	BDL

* MDL= 10 times level indicated

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : **W**= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

Client	: HRP Associates, Inc.	Date Extracted:	10/21-10/22/97
Lab No.	: 107168	Date Analyzed :	10/21-10/23/97
PO No.	: SPC0004.RC T5	Analyst :	YK
Rep. Date	: 10/27/97		

EPA METHOD 8060 GC/MS Date Samples Rec'd : 10/10/97

Matrix Type		S	* S	S	S
CTL Sample No.		12426	12427	12428	12429
Field Id.		FTRM-5	FTRM-6	FTRM-7	FTRM-8
	MDL				
Bis(2-ethylhexyl)phthalate	20	BDL	37,775.0	345.0	BDL
Di-n-butyl phthalate	20	BDL	1,349.0	BDL	BDL
Di-n-octyl phthalate	20	BDL	BDL	BDL	BDL
Dimethyl phthalate	20	BDL	BDL	BDL	BDL

* MDL= 10 times level indicated

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : **W**= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

Client	: HRP Associates, Inc.	Date Extracted:	10/21-10/22/97
Lab No.	: 107168	Date Analyzed :	10/21-10/23/97
PO No.	: SPC0004.RC T5	Analyst :	YK
Rep. Date	: 10/27/97		

EPA METHOD 8060 GC/MS Date Samples Rec'd : 10/10/97

Matrix Type		S	* S	S	S
CTL Sample No.		12430	12431	12432	12433
Field Id.		FTRM-9	FTRM-10	FTRM-11	FTRM-12
	MDL				
Bis(2-ethylhexyl)phthalate	20	BDL	1,205.0	BDL	33.0
Di-n-butyl phthalate	20	BDL	3,654.0	BDL	157.0
Di-n-octyl phthalate	20	BDL	BDL	BDL	BDL
Dimethyl phthalate	20	BDL	BDL	BDL	BDL

* MDL= 10 times level indicated

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : **W**= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : **W**= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

*MDL are 10 times higher than indicated

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: HRP Associates, Inc.	Date Extracted:	10/21-10/22/97
Lab No.	: 107168	Date Analyzed :	10/21-10/23/97
PO No.	: SPC0004.RC T5	Analyst :	YK
Rep. Date	: 10/27/97		

EPA METHOD 8060 GC/MS Date Samples Rec'd : 10/10/97

Matrix Type		S	* S	S	S
CTL Sample No.		12434	12435	12436	12437
Field Id.		FTRM-13	FTRM-14	FTRM-15	FTRM-16
	MDL				
Bis(2-ethylhexyl)phthalate	20	32.0	3,306.0	BDL	BDL
Di-n-butyl phthalate	20	174.0	9,390.0	BDL	BDL
Di-n-octyl phthalate	20	BDL	BDL	BDL	BDL
Dimethyl phthalate	20	BDL	438.0	BDL	BDL

* MDL= 10 times level indicated

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : **W**= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

Client	: HRP Associates, Inc.	Date Extracted:	10/21-10/22/97
Lab No.	: 107168	Date Analyzed :	10/21-10/23/97
PO No.	: SPC0004.RC T5	Analyst :	YK
Rep. Date	: 10/27/97		

EPA METHOD 8060 GC/MS **Date Samples Rec'd : 10/10/97**

Matrix Type		**S**	**S**		
CTL Sample No.		**12438**	**12439**		
Field Id.		**FTRM-17**	**FTRM-18**		
	MDL				
Bis(2-ethylhexyl)phthalate	20	BDL	46.0		
Di-n-butyl phthalate	20	BDL	BDL		
Di-n-octyl phthalate	20	BDL	BDL		
Dimethyl phthalate	20	BDL	BDL		

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : **W**= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

Client	: HRP Associates, Inc.	Date Extracted:	10/21-10/22/97
Lab No.	: 107168	Date Analyzed :	10/21-10/23/97
PO No.	: SPC0004.RC T5	Analyst :	YK
Rep. Date	: 10/27/97		

EPA METHOD 8060 GC/MS Date Samples Rec'd : 10/10/97

Matrix Type :		W			
CTL SAMPLE # :		12440			
Field ID :		MW-1			
	MDL				
Bis(2-ethylhexyl)phthalate	2	BDL			
Di-n-butyl phthalate	2	BDL			
Di-n-octyl phthalate	2	BDL			
Dimethyl phthalate	2	BDL			

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : **W**= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

HRP Associates, Inc.
167 New Britain Avenue
Plainville, CT 06062
Phone: 860-793-6899
Fax: 860-793-6871

HRP

107168

CHAIN OF CUSTODY

Sheet 1 of 4
Job Number SPC0004.RC TOS
Project Manager MCP

Place & Address of Collection FORMER SPC 375 BARNUM AVE. CUT-OFF STRATFORD, CT

Samplers Name (Signature) [signature]
Assistant (Witness)(Signature)

Sample Number	Sample Location	Container Type	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
1	FTRM-1	G	8 oz.	COOL	10/10/97	11:03		X			
2	FTRM-2	↓	↓	↓	↓	11:10		↓			
3	FTRM-3					11:20					
4	FTRM-4					11:28					
5	FTRM-5	↓	↓	↓	↓	11:40		↓			

Relinquished By (Signature) [signature]	Received By (Signature) [signature]	Date 10/10	Time 4:45
Relinquished By (Signature)	Received By (Signature)	Date	Time

Name & Address of Laboratory CTL MERIDEN

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ | Filter ☐ | Adjust pH to _____ | Priority ☐

Other

ANALYSES REQUIRED

Parameters	Sample Number 1-5					Parameters	Sample Number 1-5				
pH						TPH 418.1	X				
Ag	X					PHENOL	X				
ANTIMONY	X					TOX					
As	X					STD Water					
Ba	X					Total Coliform					
Cd	X					Fluoride					
CN-A						Chloride					
COBALT	X					8010/601					
Cr^{+6}						8015					
Cr-T	X					8020/602					
Cu	X					8020 + MTBE					
Fe-D						8080					
Hg	X					8100					
Ni						8 TCLP Metals					
Ni	X					8240+ACETONE	X				
Pb	X					DIOCTYL PHTHALATE	X				
TIN	X					DIBUTYL PHTHALATE	X				
Sp. Cond.						DIMETHYL PHTHALATE	X				
V	X					BIS(2-ETHYL					
Zn	X					HEXYL)PHTHALATE	X				

Remarks METALS VIA MASS + SPLP ANALYSES.
VOLATILES + SEMI-VOLATILES VIA MASS ANALYSIS.

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HRP

107168

CHAIN OF CUSTODY

Sheet 2 of 4
Job Number SPC0004.RC TOS
Project Manager MCP

Place & Address of Collection: FORMER SPC 375 BARNUM AVE. CUT-OFF STRATFORD, CT
Samplers Name (Signature): [signature]
Assistant (Witness)(Signature):

Sample Number	Sample Location	Container Type	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
6	FTRM-6	G	8oz.	Cool	10/10/97	11:50		X			
7	FTRM-7					12:02					
8	FTRM-8					12:13					
9	FTRM-9					12:30					
10	FTRM-10					12:50					

Relinquished By (Signature): [signature] — Received By (Signature): [signature] — Date: 10/10 — Time: 4:45
Relinquished By (Signature): — Received By (Signature): — Date: — Time:
Name & Address of Laboratory: CTL MORRDEN CT

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ Filter ☐ Adjust pH to _____ Priority ☐
Other

ANALYSES REQUIRED

Parameters	Sample Number 6-10					Parameters	Sample Number 6-10				
pH						TPH 418.1	X				
Ag	X					~~TOC~~ PHENOL	X				
~~Sb~~ ANTIMONY	X					TOX					
As	X					STD Water					
Ba	X					Total Coliform					
Cd	X					Fluoride					
CN-A						Chloride					
~~Co~~ COBALT	X					8010/601					
Cr^{+6}						8015					
Cr-T	X					8020/602					
Cu	X					8020 + MTBE					
Fe-D						8080					
Hg	X					8100					
Na						8 TCLP Metals					
Ni	X					8240+ACETONE	X				
Pb	X					DIOCTYL PHTHALATE	X				
~~Sb~~ TIN	X					DIBUTYL PHTHALATE	X				
Sp. Cond.						DIMETHYL PHTHALATE	X				
~~Se~~ V	X					BIS(2-ETHYL					
Zn	X					HEXYL) PHTHALATE	X				

Remarks
METALS VIA MASS + SPLP.
VOLS. + SEMI-VOLS. VIA MASS.

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107168

CHAIN OF CUSTODY

Sheet 3 of 4
Job Number SPC0004.RC
TOS
Project Manager MCP

Place & Address of Collection FORMER SPC 375 BARNUM AVE, CUT OFF STRATFORD, CT

Samplers Name (Signature) [signature]

Assistant (Witness)(Signature) [signature]

Sample Number	Sample Location	Container Type	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
11	FTRM-11	G	8oz.	Cool	10/10/97	12:58		X			
12	FTRM-12					13:20					
13	FTRM-13					13:25					
14	FTRM-14					13:40					
15	FTRM-15					13:55					

Relinquished By (Signature)	Received By (Signature)	Date	Time
[signature]	Denise [signature]	10/10	4:45
Relinquished By (Signature)	Received By (Signature)	Date	Time

Name & Address of Laboratory CTL MERIDEN

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ Filter ☐ Adjust pH to _____ Priority ☐

Other

ANALYSES REQUIRED

Parameters	Sample Number 11-15					Parameters	Sample Number 11-15				
pH						TPH 418.1	X				
Ag	X					PHENOL	X				
ANTIMONY	X					TOX					
As	X					STD Water					
Ba	X					Total Coliform					
Cd	X					Fluoride					
CN-A						Chloride					
COBALT	X					8010/601					
Cr^{+6}						8015					
Cr-T	X					8020/602					
Cu	X					8020 + MTBE					
Fe-D						8080					
Hg	X					8100					
Na						8 TCLP Metals					
Ni	X					8240+ACETONE	X				
Pb	X					DIOCTYL PHTHALATE	X				
TIN	X					DIBUTYL PHTHALATE	X				
Sp. Cond.						DIMETHYL PHTHALATE	X				
V	X					BIS (2-ETHYL					
Zn	X					HEXYL) PHTHALATE	X				

Remarks METALS VIA MASS + SPLP,
VOLS. + SEMI-VOLS. VIA MASS.

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107168

CHAIN OF CUSTODY

Sheet 4 of 4
Job Number SPC 0004.RC TOS
Project Manager MCP

Place & Address of Collection FORMER SPC 375 BARNUM AVE, CUT-OFF STRATFORD, CT

Samplers Name (Signature) [signature]

Assistant (Witness)(Signature)

Sample Number	Sample Location	Container Type	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
16	FTRM-16	G	8oz.	COOL	10/10/97	14:05		X			
17	FTRM-17	↓	↓	↓	↓	14:14		↓			
18	FTRM-18	↓	↓	↓	↓	14:23		↓			
19	MW-1	↓	2VOA 1L	HCL IN VOA	↓	08:10	X				
20	MW-2	↓	2VOA	HCL IN VOA	↓	08:30	X				

Relinquished By (Signature) [signature]	Received By (Signature)	Date	Time
Relinquished By (Signature)	Received By (Signature) Dennis [signature]	Date 10/10	Time 4:45

Name & Address of Laboratory CTL MERIDEN, CT

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ | Filter ☐ | Adjust pH to _____ | Priority ☐

Other

ANALYSES REQUIRED

Parameters	Sample Number 16-18					Parameters	Sample Number 16-18	19	20		
pH						TPH 418.1	X				
Ag	X					PHENOL	X				
ANTIMONY	X					TOX					
As	X					STD Water					
Ba	X					Total Coliform					
Cd	X					Fluoride					
CN-A						Chloride					
COBALT	X					8010/601					
Cr^{+6}						8015					
Cr-T	X					8020/602					
Cu	X					8020 + MTBE					
Fe-D						8080					
Hg	X					8100					
Na						8 TCLP Metals					
Ni	X					8240+ACETONE	X	X	X		
Pb	X					DIOCTYL PHTHALATE	X	X			
TIN	X					DIBUTYL PHTHALATE	X	X			
Sp. Cond.						DIMETHYL PHTHALATE	X	X			
V	X					BIS (2-ETHYL HEXYL) PHTHALATE	X	X			
Zn	X										

Remarks
METALS VIA MASS + SPLP
VOLS. + SEMI-VOLS. VIA MASS

White Copy - Accounting Yellow Copy - Lab Pink Copy - Field Services Gold Copy - Job File

№ 5760

Resubmitted with additional analysis 11/6/97

HRP Associates Inc.
167 New Britain Ave
Plainville, CT 06062

Attn: Ms. Pat Terwilliger

RECEIVED
NOV 12 1997
HRP

Please find attached laboratory report(s) for the samples submitted on : **October 10, 1997**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 107168
PO/JOB No.	: SPC0004.RC
INVOICE No.	: 68701
ORDER No.	: 48903
CUSTOMER No.	: 350

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 10/10/97
Date Reactivated : 10/29/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 107168
Report Date: 10/27/97	PO/Job No. SPC0004.RC T-5

RESULTS OF ANALYSIS

EPA 418.1 Duplicate Analysis

Matrix Type:	**S**	**S**		
CTL Sample No.:	**12433**	**12434**		
Field Id.:	**FTRM-12**	**FTRM-13**		
Oil & Grease (TPH)-ppm	828	884		

As requested the above samples were re-extracted and analyzed for TPH content on 11/4/97.

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

RECEIVED
APR 23 1998
HRP ASSOCIATES, INC.

April 17, 1998

HRP Associates Inc.
167 New Britain Ave
Plainville, CT 06062

Attn: Ms. Pat Terwilliger

Please find attached laboratory report(s) for the samples submitted on : **April 1, 1998**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No. : 498015
PO/JOB No. : SOC0003.RC
INVOICE No. : 71392
ORDER No. : 51697
CUSTOMER No. : 350

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 4-1-98

Client Name: **HRP Associates Inc.**	CTL Lab. No. 498015
Report Date: 4-16-98	PO/Job No. SPC0003.RC

RESULTS OF ANALYSIS

Mass Analysis EPA 3050A

Matrix Type: S

Field ID	CTL#	Arsenic -mg/kg	Cadmium -mg/kg	Lead -mg/kg	Copper -mg/kg
F-EXC-1	3673	2.2	22	11.7	---
F-EXC-2	3674	2.6	200	20.8	---
F-EXC-3	3675	2.7	ND<0.5	12.8	8.6
F-EXC-4	3676	2.6	ND<0.5	8.7	12.3
F-EXC-5	3677	2.7	ND<0.5	11.6	---
F-EXC-6	3678	4.6	10.8	14.9	---
F-EXC-7	3679	3.9	ND<0.5	18.9	---
F-EXC-8	3680	2.9	39	12.0	---
F-EXC-9	3681	3.6	1.6	9.7	---
F-EXC-10	3682	2.7	ND<0.5	10.4	8.0
F-EXC-11	3683	2.9	ND<0.5	7.1	11.6
F-EXC-12	3684	14.9	ND<0.5	8.8	---
F-EXC-13	3685	13.4	ND<0.5	10.2	---
F-EXC-14	3686	15.2	ND<0.5	8.5	---
F-EXC-15	3687	10.1	0.9	15.3	---

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
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(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 4-1-98

Client Name: **HRP Associates Inc.**	CTL Lab. No. 498015
Report Date: 4-16-98	PO/Job No. SPC0003.RC

RESULTS OF ANALYSIS

SPLP EPA 1312

Matrix Type: S

Field ID	CTL#	Antimony -mg/L	Lead-mg/L		
F-EXC-1	3673	0.064	ND<0.005		
F-EXC-2	3674	0.128	ND<0.005		
F-EXC-3	3675	ND<0.006	ND<0.005		
F-EXC-4	3676	ND<0.006	ND<0.005		
F-EXC-5	3677	ND<0.006	0.006		
F-EXC-6	3678	ND<0.006	0.009		
F-EXC-7	3679	ND<0.006	ND<0.005		
F-EXC-8	3680	0.008	0.008		
F-EXC-9	3681	ND<0.006	0.005		
F-EXC-10	3682	ND<0.006	0.006		
F-EXC-11	3683	ND<0.006	0.006		
F-EXC-12	3684	0.019	ND<0.005		
F-EXC-13	3685	ND<0.006	ND<0.005		
F-EXC-14	3686	ND<0.006	ND<0.005		
F-EXC-15	3687	0.032	ND<0.005		
T-EXC-#1	3688	0.012	---		
T-EXC-#2	3689	ND<0.006	---		
T-EXC-#3	3690	0.025	---		

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 4-1-98

Client Name: **HRP Associates Inc.**	CTL Lab. No. 498015
Report Date: 4-16-98	PO/Job No. SPC0003.RC

RESULTS OF ANALYSIS

EPA 418.1

Matrix Type: S

Field ID	CTL#	Oil & Grease (TPH)-ppm			
F-EXC-1	3673	6,860			
F-EXC-2	3674	16,100			
F-EXC-3	3675	196			
F-EXC-4	3676	48			
F-EXC-5	3677	ND<25			
F-EXC-6	3678	40			
F-EXC-7	3679	ND<25			
F-EXC-8	3680	29,700			
F-EXC-9	3681	67,000			
F-EXC-10	3682	72			
F-EXC-11	3683	100			
F-EXC-12	3684	76			
F-EXC-13	3685	64			
F-EXC-14	3686	52			
F-EXC-15	3687	108			
T-EXC-#1	3688	336			
T-EXC-#2	3689	100			
T-EXC-#3	3690	76			

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 4-1-98

Client Name: **HRP Associates Inc.**	CTL Lab. No. 498015
Report Date: 4-16-98	PO/Job No. SPC0003.RC

RESULTS OF ANALYSIS

Matrix Type: S

Field ID	CTL#	Total Phenols -ppm			
F-EXE-1	3673	550			
F-EXC-2	3674	575			
F-EXC-3	3675	ND<2			
F-EXC-4	3676	3			
F-EXC-8	3680	1,300			
T-EXC-#1	3688	11			
T-EXC-#2	3689	ND<2			
T-EXC-#3	3690	ND<2			

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Date Samples Received : 4-1-98

Client Name: **HRP Associates Inc.**	Date Extracted: 4-8-98
CTL Lab. No. 4980158	Date Analyzed : 4/14/-4/15/98
PO/Job No. : SPC0003.RC	Analyst: DG
Report Date: 4-17-98	

RESULTS OF ANALYSIS

EPA 8021B

Matrix Type: S

Field ID	CTL#	Benzene-ppb			
F-EXC-1	3673	981.0			
F-EXC-2	3674	ND<100.0			
F-EXC-3	3675	ND<100.0			
F-EXC-4	3676	ND<100.0			
F-EXC-8	3680	736.0			
T-EXC-#1	3688	ND<100.0			
T-EXC-#2	3689	ND<100.0			
T-EXC-#3	3690	ND<100.0			

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Date Samples Received : 4-1-98

Client Name: **HRP Associates Inc.**	Date Extracted: 4-8-98
CTL Lab. No. 4980158	Date Analyzed : 4/13/-4/16/98
PO/Job No. : SPC0003.RC	Analyst: YK
Report Date: 4-17-98	

RESULTS OF ANALYSIS

EPA 8270C Modified

Matrix Type: S

Field ID	CTL#	Bis(2-ethylhexyl)phthalate -ppb				
F-EXC-12	3684	53.0				
F-EXC-13	3685	124.0				
F-EXC-14	3686	166.0				
F-EXC-15	3687	107.0				

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

448015

HRP Associates, Inc.
167 New Britain Avenue
Plainville, CT 06062
Phone: 860-793-6899
Fax: 860-793-6871

HRP

CHAIN OF CUSTODY

Sheet 1 of 4
Job Number SPC0003, RC T08
Project Manager MCP

Place & Address of Collection SPC
375 BARNUM AVE CUT-OFF STRATFORD, CT

Samplers Name (Signature)
Assistant (Witness)(Signature)

Sample Number	Sample Location	Container Type	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
1	F-EXC-1	G	8 oz.	COOL	3/31/98	11:10		X			
2	F-EXC-2	↓	↓	↓	↓	11:18		↓			
3	F-EXC-3					11:25					
4	F-EXC-4					11:35					
5	F-EXC-5	↓	↓	↓	↓	11:42		↓			

Relinquished By (Signature)	Received By (Signature)	Date 4/1/98	Time 11:00
Relinquished By (Signature)	Received By (Signature)	Date	Time

Name & Address of Laboratory CTL MERIDEN, CT

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ | Filter ☐ | Adjust pH to _____ | Priority ☐

Other

ANALYSES REQUIRED

Parameters	Sample Number 1	2	3	4	5
pH					
Ag					
ANTIMONY	X	X	X	X	X
As	X	X	X	X	X
Ba					
Cd	X	X	X	X	X
CN-A					
CN-T					
Cr^{+6}					
Cr-T					
Cu			X	X	
Fe-D					
Hg					
Na					
Ni					
Pb	X	X	X	X	X
Se					
Sp. Cond.					
TDS					
Zn					

Parameters	Sample Number 1	2	3	4	5
TPH 418.1	X	X	X	X	X
TOC					
TOX					
STD Water					
Total Coliform					
Fluoride					
Chloride					
8010/601					
8015					
8020/602					
8020 + MTBE					
8080					
8100					
8 TCLP Metals					
PHENOL	X	X	X	X	
BENZENE	X	X	X	X	

Remarks ARSENIC + CADMIUM VIA MASS ONLY. COPPER VIA MASS ONLY (SAMPLES 3+4)
LEAD VIA MASS + SPLP.
ANTIMONY VIA SPLP ONLY.

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167 New Britain Avenue
Plainville, CT 06062
Phone: 860-793-6899
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HRP

CHAIN OF CUSTODY

Sheet 2 of 4
Job Number SPC0004, RC T08
Project Manager MCP

Place & Address of Collection SPC 375 BARNUM AVE. CUT-OFF STRATFORD, CT
Samplers Name (Signature) [signature]
Assistant (Witness)(Signature)

Sample Number	Sample Location	Container Type	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
6	F-EXC-6	G	8oz	COOL	3/31/98	11:52		X			
7	F-EXC-7	↓	↓	↓	↓	12:00		↓			
8	F-EXC-8					12:07					
9	F-EXC-9					12:17					
10	F-EXC-10					12:25					

Relinquished By (Signature) [signature]	Received By (Signature) [signature]	Date 4/1/98	Time 11:00
Relinquished By (Signature)	Received By (Signature)	Date	Time

Name & Address of Laboratory CTL MERIDEN, CT

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ | Filter ☐ | Adjust pH to _____ | Priority ☐

Other

ANALYSES REQUIRED

Parameters	Sample Number 6	7	8	9	10
pH					
Ag					
ANTIMONY	X	X	X	X	X
As	X	X	X	X	X
Ba					
Cd	X	X	X	X	X
CN-A					
CN-T					
Cr^{+6}					
Cr-T					
Cu					X
Fe-D					
Hg					
Na					
Ni					
Pb	X	X	X	X	X
Se					
Sp. Cond.					
TDS					
Zn					

Parameters	Sample Number 6	7	8	9	10
TPH 418.1	X	X	X	X	X
TOC					
TOX					
STD Water					
Total Coliform					
Fluoride					
Chloride					
8010/601					
8015					
8020/602					
8020 + MTBE					
8080					
8100					
8 TCLP Metals					
PHENOL			X		
BENZENE			X		

Remarks ARSENIC VIA MASS ONLY. CADMIUM VIA MASS ONLY. COPPER VIA MASS ONLY (SAMPLE 10)
LEAD VIA MASS + SPLP.
ANTIMONY VIA SPLP ONLY.

White Copy - Accounting Yellow Copy - Lab Pink Copy - Field Services Gold Copy - Job File

№ 8281

HRP Associates, Inc.
167 New Britain Avenue
Plainville, CT 06062
Phone: 860-793-6899
Fax: 860-793-6871

HRP

CHAIN OF CUSTODY

Sheet 3 of 4
Job Number SPC 0003, RC T08
Project Manager MCP

Place & Address of Collection SPC
375 BARNUM AVE, CUT-OFF STRATFORD, CT

Samplers Name (Signature) [signature]
Assistant (Witness)(Signature)

Sample Number	Sample Location	Container Type	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
11	F-EXC-11	G	8oz.	Cool	3/31/98	12:37		X			
12	F-EXC-12	↓	↓	↓	↓	12:55		↓			
13	F-EXC-13					13:05					
14	F-EXC-14					13:15					
15	F-EXC-15					13:24					

Relinquished By (Signature) [signature] Received By (Signature) [signature] Date 4/1/98 Time 11:00
Relinquished By (Signature) Received By (Signature) Date Time

Name & Address of Laboratory CTL MERIDEN, CT

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ Filter ☐ Adjust pH to _____ Priority ☐

Other

ANALYSES REQUIRED

Parameters	Sample Number 11	12	13	14	15
pH					
Ag					
✓ ANTIMONY	X	X	X	X	X
As ✓	X	X	X	X	X
Ba					
Cd ✓	X	X	X	X	X
CN-A					
CN-T					
Cr^{+6}					
Cr-T					
Cu ✓	X				
Fe-D					
Hg					
Na					
Ni					
Pb ✓	X	X	X	X	X
Se					
Sp. Cond.					
TDS					
Zn					

Parameters	Sample Number 11	12	13	14	15
TPH 418.1 ✓	X	X	X	X	X
TOC					
TOX					
STD Water					
Total Coliform					
Fluoride					
Chloride					
8010/601					
8015					
8020/602					
8020 + MTBE					
8080					
8100					
8 TCLP Metals					
DEHP ✓		X	X	X	X

Remarks ARSENIC + CADMIUM VIA MASS ONLY. COPPER VIA MASS ONLY (SAMPLE 11)
LEAD VIA MASS + SPLP.
ANTIMONY VIA SPLP ONLY.

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№ 8282

HRP Associates, Inc.
167 New Britain Avenue
Plainville, CT 06062
Phone: 860-793-6899
Fax: 860-793-6871

HRP

CHAIN OF CUSTODY

Sheet 4 of 4
Job Number SPC 0003, RC
Project Manager MCP

Place & Address of Collection SPC
375 BARNUM AVE. CUT-OFF STRATFORD, CT

Samplers Name (Signature) [signature]
Assistant (Witness)(Signature)

Sample Number	Sample Location	Container Type	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
16	T-EXC-#1	G	8oz.	COOL	3/31/98	13:53		X			
17	T-EXC-#2	↓	↓	↓	↓	14:00		↓			
18	T-EXC-#3	↓	↓	↓	↓	14:10		↓			

Relinquished By (Signature) [signature]	Received By (Signature) M McMahon	Date 4/1/98	Time 1:00
Relinquished By (Signature)	Received By (Signature)	Date	Time

Name & Address of Laboratory CTL MERIDEN, CT

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ Filter ☐ Adjust pH to _____ Priority ☐

Other

ANALYSES REQUIRED

Parameters	Sample Number 16	17	18		
pH					
Ag					
*ANTIMONY	X	X	X		
As					
Ba					
Cd					
CN-A					
CN-T					
Cr^{+6}					
Cr-T					
Cu					
Fe-D					
Hg					
Na					
Ni					
Pb					
Se					
Sp. Cond.					
TDS					
Zn					

Parameters	Sample Number 16	17	18		
TPH 418.1	X	X	X		
TOC					
TOX					
STD Water					
Total Coliform					
Fluoride					
Chloride					
8010/601					
8015					
8020/602					
8020 + MTBE					
8080					
8100					
8 TCLP Metals					
PHENOL	X	X	X		
BENZENE	X	X	X		

Remarks ANTIMONY VIA SPLP ONLY

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№ 8283

October 9, 1997

RECEIVED
OCT 20 1997
HRP ASSOCIATES, INC.

HRP Associates Inc.
167 New Britain Ave
Plainville, CT 06062

Attn: Ms. Pat Terwilliger

Please find attached laboratory report(s) for the samples submitted on : **September 17, 1997**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 997253
PO/JOB No.	: SPC0004.RC
INVOICE No.	: 68321
ORDER No.	: 48508
CUSTOMER No.	: 350

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 9/17/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 997253
Report Date: 10/6/97	PO/Job No. SPC0004.RC T3

RESULTS OF ANALYSIS

Mass Analysis EPA 3050A

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**10920**	**10921**	**10922**	**10923**
Field Id.	**TKRM-1**	**TKRM-2**	**TKRM-3**	**TKRM-4**
Silver-mg/kg	ND<0.2	ND<0.2	ND<0.2	ND<0.2
Antimony-mg/kg	ND<10	ND<10	ND<10	ND<10
Arsenic-mg/kg	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Barium-mg/kg	17	16	173	18
Cadmium-mg/kg	ND<0.5	ND<0.5	17.6	ND<0.5
Cobalt-mg/kg	4.0	3.0	3.0	4.0
Chromium, Total-mg/kg	6.8	5.1	7.0	6.2
Copper-mg/kg	6.1	7.0	7.4	6.4
Mercury-mg/kg	ND<0.02	ND<0.02	ND<0.02	0.02
Nickel-mg/kg	5.9	5.0	6.7	5.5
Lead-mg/kg	4.4	4.5	5.8	6.3
Vanadium-mg/kg	15.0	9.5	13.0	13.5
Tin-mg/kg	ND<20	ND<20	ND<20	ND<20
Zinc-mg/kg	15.3	15.4	27.7	186

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**10920**	**10921**	**10922**	**10923**
Field Id.	**TKRM-1**	**TKRM-2**	**TKRM-3**	**TKRM-4**
Phenols-ppm	ND<1.0	ND<1.0	120	ND<1.0
Oil & Grease (TPH)-ppm	ND<25	452	5,408	32

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 9/17/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 997253
Report Date: 10/6/97	PO/Job No. SPC0004.RC T3

RESULTS OF ANALYSIS

Mass Analysis EPA 3050A

Matrix Type	**S**	**S**	**S**	
CTL Sample No.	**10924**	**10925**	**10926**	
Field Id.	**TKRM-5**	**TKRM-6**	**TKRM-7**	
Silver-mg/kg	ND<0.2	ND<0.2	ND<0.2	
Antimony-mg/kg	ND<10	ND<10	ND<10	
Arsenic-mg/kg	ND<1.0	3.0	ND<1.0	
Barium-mg/kg	29	23	15	
Cadmium-mg/kg	ND<0.5	ND<0.5	ND<0.5	
Cobalt-mg/kg	5.0	4.0	3.0	
Chromium, Total-mg/kg	9.5	6.9	4.3	
Copper-mg/kg	9.3	7.6	7.5	
Mercury-mg/kg	0.02	0.04	ND<0.02	
Nickel-mg/kg	9.9	6.1	5.3	
Lead-mg/kg	27.6	26.9	3.4	
Vanadium-mg/kg	20.0	15.0	9.0	
Tin-mg/kg	ND<20	ND<20	ND<20	
Zinc-mg/kg	1,030	21.9	34.0	

Matrix Type	**S**	**S**	**S**	
CTL Sample No.	**10924**	**10925**	**10926**	
Field Id.	**TKRM-5**	**TKRM-6**	**TKRM-7**	
Phenols-ppm	ND<1.0	ND<1.0	ND<1.0	
Oil & Grease (TPH)-ppm	ND<25	40	488	

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 9/17/97

Client Name:	**HRP Associates, Inc.**	CTL Lab. No.	997253
Report Date:	10/6/97	PO/Job No.	SPC0004.RC T3

RESULTS OF ANALYSIS

SPLP EPA 1312

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**10920**	**10921**	**10922**	**10923**
Field Id.	**TKRM-1**	**TKRM-2**	**TKRM-3**	**TKRM-4**
Silver-mg/L	ND<0.01	ND<0.01	ND<0.01	ND<0.01
Antimony-mg/L	ND<0.006	ND<0.006	ND<0.006	ND<0.006
Arsenic-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Barium-mg/L	ND<0.5	ND<0.5	0.5	ND<0.5
Cadmium-mg/L	ND<0.005	ND<0.005	0.028	ND<0.005
Cobalt-mg/L	ND<0.1	ND<0.1	ND<0.1	ND<0.1
Chromium, Total-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Copper-mg/L	ND<0.01	ND<0.01	ND<0.01	ND<0.01
Mercury-mg/L	ND<0.002	ND<0.002	ND<0.002	ND<0.002
Nickel-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Lead-mg/L	0.006	0.006	0.007	ND<0.005
Vanadium-mg/L	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Tin-mg/L	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Zinc-mg/L	ND<0.05	ND<0.05	0.12	ND<0.05

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 9/17/97

Client Name:	**HRP Associates, Inc.**	CTL Lab. No.	997253
Report Date:	10/6/97	PO/Job No.	SPC0004.RC T3

RESULTS OF ANALYSIS

SPLP EPA 1312

Matrix Type	**S**	**S**	**S**	
CTL Sample No.	**10924**	**10925**	**10926**	
Field Id.	**TKRM-5**	**TKRM-6**	**TKRM-7**	
Silver-mg/L	ND<0.01	ND<0.01	ND<0.01	
Antimony-mg/L	ND<0.006	ND<0.006	ND<0.006	
Arsenic-mg/L	ND<0.05	ND<0.05	ND<0.05	
Barium-mg/L	ND<0.5	ND<0.5	ND<0.05	
Cadmium-mg/L	ND<0.005	ND<0.005	ND<0.005	
Cobalt-mg/L	ND<0.1	ND<0.1	ND<0.1	
Chromium, Total-mg/L	ND<0.05	ND<0.05	ND<0.05	
Copper-mg/L	ND<0.01	0.01	0.01	
Mercury-mg/L	ND<0.002	ND<0.002	ND<0.002	
Nickel-mg/L	ND<0.05	ND<0.05	ND<0.05	
Lead-mg/L	0.007	0.028	0.007	
Vanadium-mg/L	ND<0.5	ND<0.5	ND<0.5	
Tin-mg/L	ND<0.5	ND<0.5	ND<0.5	
Zinc-mg/L	0.21	ND<0.05	ND<0.05	

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: HRP Associates, Inc.	Date Analyzed	: 9/29/97
Lab No.	: 997253	Date Extracted	: 9/29/97
PO No.	: SPC0004.RC T3	Analyst	: SF
Rep. Date	: 10/6/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 9/17/97**

	MDL				
Matrix Type		**S**	**S**	**S**	**S**
CTL Sample No.		**10920**	**10921**	**10922**	**10923**
Field Id.		**TKRM-1**	**TKRM-2**	**TKRM-3**	**TKRM-4**
Dichlorodifluoromethane	10	BDL	BDL	BDL	BDL
Chloromethane	10	BDL	BDL	BDL	BDL
Vinyl Chloride	10	BDL	BDL	BDL	BDL
Chloroethane	10	BDL	BDL	BDL	BDL
Bromomethane	10	BDL	BDL	BDL	BDL
Trichlorofluoromethane	10	BDL	BDL	BDL	BDL
Acrolein	10	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	10	BDL	BDL	BDL	BDL
Iodomethane	10	BDL	BDL	BDL	BDL
Allyl Chloride	10	BDL	BDL	BDL	BDL
Acrylonitrile	10	BDL	BDL	BDL	BDL
Methylene Chloride	10	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	10	BDL	BDL	BDL	BDL
1,1-Dichloroethane	10	BDL	BDL	BDL	BDL
2-Butanone(MEK)	10	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	10	BDL	BDL	BDL	BDL
Chloroform	10	BDL	BDL	BDL	BDL
Methacrylonitrile	10	BDL	BDL	BDL	BDL
Propionitrile	10	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	10	BDL	BDL	BDL	BDL
Carbontetrachloride	10	BDL	BDL	BDL	BDL
Benzene	10	BDL	BDL	90.0	BDL
1,2-Dichloroethane	10	BDL	BDL	BDL	BDL
Trichloroethylene	10	BDL	BDL	BDL	BDL
1,2-Dichloropropane	10	BDL	BDL	BDL	BDL
Methyl Methacrylate	10	BDL	BDL	BDL	BDL
Bromodichloromethane	10	BDL	BDL	BDL	BDL
Dibromomethane	10	BDL	BDL	BDL	BDL
2-Chlorethylvinylether	10	BDL	BDL	BDL	BDL
4-Methyl-2-pentanone(MIBK)	10	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropylene	10	BDL	BDL	BDL	BDL
Toluene	10	BDL	BDL	1,404.0	38.0
trans-1,3Dichloropropylene	10	BDL	BDL	BDL	BDL
2-Hexanone(MBK)	10	BDL	BDL	BDL	BDL
Ethyl Methacrylate	10	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type:W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: HRP Associates, Inc.	Date Analyzed	: 9/29/97
Lab No.	: 997253	Date Extracted	: 9/29/97
PO No.	: SPC0004.RC T3	Analyst	: SF
Rep. Date	: 10/6/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 9/17/97**

Matrix Type		**S**	**S**	**S**	**S**
CTL Sample No.		**10920**	**10921**	**10922**	**10923**
Field Id.		**TKRM-1**	**TKRM-2**	**TKRM-3**	**TKRM-4**
	MDL				
1,1,2-Trichloroethane	10	BDL	BDL	BDL	BDL
Tetrachloroethylene	10	BDL	BDL	BDL	BDL
Dibromochloromethane	10	BDL	BDL	BDL	BDL
1,2-Dibromoethane(EDB)	10	BDL	BDL	BDL	BDL
Chlorobenzene	10	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
Ethylbenzene	10	BDL	BDL	BDL	BDL
P/M Xylenes	10	BDL	BDL	30.0	BDL
O Xylene	10	BDL	BDL	BDL	BDL
Styrene	10	BDL	BDL	BDL	BDL
Bromoform	10	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	10	BDL	BDL	BDL	BDL
1,4-Dichloro-2-butene	10	BDL	BDL	BDL	BDL
Pentachloroethane	10	BDL	BDL	BDL	BDL
Benzyl Chloride	10	BDL	BDL	BDL	BDL
DBCP	10	BDL	BDL	BDL	BDL
Acetone	500	BDL	BDL	8,170.0	6,060.0

MDL= Minimum Detectable Level/**BDL=** Below Detection Level/**UNITS=** PPB

Matrix Type:W= Water/Aqueous **S=**Soil/Solid **O=** Oil/Hydrocarbons

Client	: HRP Associates, Inc.	Date Analyzed	: 9/29/97
Lab No.	: 997253	Date Extracted	: 9/29/97
PO No.	: SPC0004.RC T3	Analyst	: SF
Rep. Date	: 10/6/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 9/17/97**

Matrix Type		**S**	**S**	**S**	
CTL Sample No.		**10924**	**10925**	**10926**	
Field Id.		**TKRM-5**	**TKRM-6**	**TKRM-7**	
	MDL				
Dichlorodifluoromethane	10	BDL	BDL	BDL	
Chloromethane	10	BDL	BDL	BDL	
Vinyl Chloride	10	BDL	BDL	BDL	
Chloroethane	10	BDL	BDL	BDL	
Bromomethane	10	BDL	BDL	BDL	
Trichlorofluoromethane	10	BDL	BDL	BDL	
Acrolein	10	BDL	BDL	BDL	
1,1-Dichloroethylene	10	BDL	BDL	BDL	
Iodomethane	10	BDL	BDL	BDL	
Allyl Chloride	10	BDL	BDL	BDL	
Acrylonitrile	10	BDL	BDL	BDL	
Methylene Chloride	10	BDL	BDL	BDL	
trans-1,2-Dichloroethylene	10	BDL	BDL	BDL	
1,1-Dichloroethane	10	BDL	BDL	BDL	
2-Butanone(MEK)	10	BDL	BDL	BDL	
cis-1,2-Dichloroethylene	10	BDL	BDL	BDL	
Chloroform	10	BDL	BDL	BDL	
Methacrylonitrile	10	BDL	BDL	BDL	
Propionitrile	10	BDL	BDL	BDL	
1,1,1-Trichloroethane	10	BDL	BDL	BDL	
Carbontetrachloride	10	BDL	BDL	BDL	
Benzene	10	BDL	BDL	BDL	
1,2-Dichloroethane	10	BDL	BDL	BDL	
Trichloroethylene	10	BDL	BDL	BDL	
1,2-Dichloropropane	10	BDL	BDL	BDL	
Methyl Methacrylate	10	BDL	BDL	BDL	
Bromodichloromethane	10	BDL	BDL	BDL	
Dibromomethane	10	BDL	BDL	BDL	
2-Chlorethylvinylether	10	BDL	BDL	BDL	
4-Methyl-2-pentanone(MIBK)	10	BDL	BDL	BDL	
cis-1,3-Dichloropropylene	10	BDL	BDL	BDL	
Toluene	10	391.0	BDL	162.0	
trans-1,3Dichloropropylene	10	BDL	BDL	BDL	
2-Hexanone(MBK)	10	BDL	BDL	BDL	
Ethyl Methacrylate	10	BDL	BDL	BDL	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type:W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: HRP Associates, Inc.	Date Analyzed	: 9/29/97
Lab No.	: 997253	Date Extracted	: 9/29/97
PO No.	: SPC0004.RC T3	Analyst	: SF
Rep. Date	: 10/6/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 9/17/97**

Matrix Type		**S**	**S**	**S**	
CTL Sample No.		**10924**	**10925**	**10926**	
Field Id.		**TKRM-5**	**TKRM-6**	**TKRM-7**	
	MDL				
1,1,2-Trichloroethane	10	BDL	BDL	BDL	
Tetrachloroethylene	10	BDL	BDL	BDL	
Dibromochloromethane	10	BDL	BDL	BDL	
1,2-Dibromoethane(EDB)	10	BDL	BDL	BDL	
Chlorobenzene	10	BDL	BDL	BDL	
1,1,1,2-Tetrachloroethane	10	BDL	BDL	BDL	
Ethylbenzene	10	BDL	BDL	BDL	
P/M Xylenes	10	11.0	BDL	10.0	
O Xylene	10	BDL	BDL	BDL	
Styrene	10	BDL	BDL	BDL	
Bromoform	10	BDL	BDL	BDL	
1,1,2,2-Tetrachloroethane	10	BDL	BDL	BDL	
1,2,3-Trichloropropane	10	BDL	BDL	BDL	
1,4-Dichloro-2-butene	10	BDL	BDL	BDL	
Pentachloroethane	10	BDL	BDL	BDL	
Benzyl Chloride	10	BDL	BDL	BDL	
DBCP	10	BDL	BDL	BDL	
Acetone	500	BDL	BDL	11,490.0	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type:W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

Client	: HRP Associates, Inc.	Date Analyzed	: 9/29/97
Lab No.	: 997253	Analyst	: SF
PO No.	: SPC0004.RC T3		
Rep. Date	: 10/6/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 9/17/97**

	MDL				
Matrix Type :		W	W		
Field Id.		MW-1	MW-2		
Dichlorodifluoromethane	1	BDL	BDL		
Chloromethane	1	BDL	BDL		
Vinyl Chloride	1	BDL	BDL		
Chloroethane	1	BDL	BDL		
Bromomethane	1	BDL	BDL		
Trichlorofluoromethane	1	BDL	BDL		
Acrolein	1	BDL	BDL		
1,1-Dichloroethylene	1	BDL	BDL		
Iodomethane	1	BDL	BDL		
Allyl Chloride	1	BDL	BDL		
Acrylonitrile	1	BDL	BDL		
Methylene Chloride	1	BDL	BDL		
trans-1,2-Dichloroethylene	1	BDL	BDL		
1,1-Dichloroethane	1	BDL	BDL		
2-Butanone(MEK)	1	BDL	BDL		
cis-1,2-Dichloroethylene	1	BDL	BDL		
Chloroform	1	BDL	BDL		
Methacrylonitrile	1	BDL	BDL		
Propionitrile	1	BDL	BDL		
1,1,1-Trichloroethane	1	BDL	BDL		
Carbontetrachloride	1	BDL	BDL		
Benzene	1	BDL	BDL		
1,2-Dichloroethane	1	BDL	BDL		
Trichloroethylene	1	BDL	BDL		
1,2-Dichloropropane	1	BDL	BDL		
Methyl Methacrylate	1	BDL	BDL		
Bromodichloromethane	1	BDL	BDL		
Dibromomethane	1	BDL	BDL		
2-Chlorethylvinylether	1	BDL	BDL		
4-Methyl-2-pentanone(MIBK)	1	BDL	BDL		
cis-1,3-Dichloropropylene	1	BDL	BDL		
Toluene	1	BDL	BDL		
trans-1,3Dichloropropylene	1	BDL	BDL		
2-Hexanone(MBK)	1	BDL	BDL		
Ethyl Methacrylate	1	BDL	BDL		

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type:W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: HRP Associates, Inc.	Date Analyzed	: 9/29/97
Lab No.	: 997253	Analyst	: SF
PO No.	: SPC0004.RC T3		
Rep. Date	: 10/6/97		

EPA METHOD 8240 GC/MS **Date Samples Rec'd: 9/17/97**

	MDL				
Matrix Type :		W	W		
Field Id.		MW-1	MW-2		
1,1,2-Trichloroethane	1	BDL	BDL		
Tetrachloroethylene	1	BDL	BDL		
Dibromochloromethane	1	BDL	BDL		
1,2-Dibromoethane(EDB)	1	BDL	BDL		
Chlorobenzene	1	BDL	BDL		
1,1,1,2-Tetrachloroethane	1	BDL	BDL		
Ethylbenzene	1	BDL	BDL		
P/M Xylenes	1	BDL	BDL		
O Xylene	1	BDL	BDL		
Styrene	1	BDL	BDL		
Bromoform	1	BDL	BDL		
1,1,2,2-Tetrachloroethane	1	BDL	BDL		
1,2,3-Trichloropropane	1	BDL	BDL		
1,4-Dichloro-2-butene	1	BDL	BDL		
Pentachloroethane	1	BDL	BDL		
Benzyl Chloride	1	BDL	BDL		
DBCP	1	BDL	BDL		
Acetone	50	93.0	95.0		

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type:W= Water/Aqueous **S**=Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 9/17/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 997253
Report Date: 10/6/97	PO/Job No. SPC0004.RC T3

RESULTS OF ANALYSIS

EPA 8060

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**10920**	**10921**	**10922**	**10923**
Field Id.	**TKRM-1**	**TKRM-2**	**TKRM-3**	**TKRM-4**
Di-n-octyl phthalate	ND<20	ND<20	ND<200	ND<20
Di-n-butyl phthalate	ND<20	ND<20	ND<200	ND<20
Dimethyl phthalate	ND<20	ND<20	ND<200	ND<20
Bis(2-ethylhexyl)phthalate	114.0	589.0	2,694.0	112.0

Units = ppb

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Date Samples Received : 9/17/97

Client Name: **HRP Associates, Inc.**	CTL Lab. No. 997253
Report Date: 10/6/97	PO/Job No. SPC0004.RC T3

RESULTS OF ANALYSIS

EPA 8060

Matrix Type	**S**	**S**	**S**	**W**
CTL Sample No.	**10924**	**10925**	**10926**	**10927**
Field Id.	**TKRM-5**	**TKRM-6**	**TKRM-7**	**MW-1**
Di-n-octyl phthalate	ND<20	ND<20	ND<200	ND<5
Di-n-butyl phthalate	ND<20	ND<20	ND<200	ND<5
Dimethyl phthalate	ND<20	ND<20	ND<200	ND<5
Bis(2-ethylhexyl)phthalate	563.0	95.0	1,170.0	ND<5

Units = ppb

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

997253

HRP Associates, Inc.
167 New Britain Avenue
Plainville, CT 06062
Phone: 860-793-6899
Fax: 860-793-6871

HRP

CHAIN OF CUSTODY

Sheet 1 of 2
Job Number SAC0004.RC,T03
Project Manager MCP

Place & Address of Collection: SYNTHETIC PRODUCTS, 375 BARNUM AVE, CUT-OFF STRATFORD
Samplers Name (Signature): Christopher R Bland
Assistant (Witness)(Signature):

Sample Number	Sample Location	Container Type	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
1	TKRM-1	G	2x8oz.	COOL	9/16/97	12:30		X			
2	TKRM-2	↓	↓	↓	↓	12:50		↓			
3	TKRM-3					13:05					
4	TKRM-4					13:25					
5	TKRM-5					13:50					

Relinquished By (Signature): Christopher R Bland	Received By (Signature): [illegible]	Date 9/17/97	Time 10:30
Relinquished By (Signature):	Received By (Signature):	Date	Time

Name & Address of Laboratory: CTL MERIDEN, CT

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ | Filter ☐ | Adjust pH to _____ | Priority ☐

Other

ANALYSES REQUIRED

Parameters	Sample Number 1-5					Parameters	Sample Number 1-5				
pH						TPH 418.1	X				
Ag	X					PHENOL	X				
ANTIMONY	X					TOX					
As	X					STD Water					
Ba	X					Total Coliform					
Cd	X					Fluoride					
CN-A						Chloride					
COBALT	X					8010/601					
Cr^{+6}						8015					
Cr-T	X					8020/602					
Cu	X					8020 + MTBE					
Fe-D						8080					
Hg	X					8100					
Na						8 TCLP Metals					
Ni	X					8240	X				
Pb	X					DIOCTYL PHTHALATE	X				
VANADIUM	X					DIBUTYL PHTHALATE	X				
Sp. Cond.						DIMETHYL PHTHALATE	X				
TIN	X					BIS(2-ETHYL HEXYL) PHTHALATE	X				
Zn	X										

Remarks: METALS VIA MASS + SPLP.
REMAINING PARAMETERS VIA MASS ONLY.

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№ 7481

HRP Associates, Inc.
167 New Britain Avenue
Plainville, CT 06062
Phone: 860-793-6899
Fax: 860-793-6871

HRP

CHAIN OF CUSTODY

Sheet 2 of 2
Job Number SPC 0004, RC, TD3
Project Manager MCP

Place & Address of Collection: SYNTHETIC PRODUCTS 375 BARNUM AVE. CUT-OFF STRATFORD
Samplers Name (Signature): [signature]
Assistant (Witness)(Signature):

Sample Number	Sample Location	Container Type	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
6	TKRM-6	G	2x8oz.	COOL	9/16/97	14:15		X			
7	TKRM-7	↓	↓	↓	↓	14:30		X			
8	MW-1	↓	2 VOA 1 L Amb.	HCl IN VOA ↓	↓	11:00	X				
9	MW-2	↓	2 VOA	↓	↓	11:30	X				

Relinquished By (Signature): [signature] — Received By (Signature): [signature] — Date 9/17/97 — Time 10:30
Relinquished By (Signature): — Received By (Signature): — Date — Time

Name & Address of Laboratory: CTL MERIDEN, CT

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ Filter ☐ Adjust pH to _____ Priority ☐

Other

ANALYSES REQUIRED

Parameters	Sample Number 6	7			
pH					
Ag	X	X			
ANTIMONY	X	X			
As	X	X			
Ba	X	X			
Cd	X	X			
CN-A					
COBALT	X	X			
Cr^{+6}					
Cr-T	X	X			
Cu	X	X			
Fe-D					
Hg	X	X			
Na					
Ni	X	X			
Pb	X	X			
VANADIUM	X	X			
Sp. Cond.					
TIN	X	X			
Zn	X	X			

Parameters	Sample Number 6	7	8	9	
TPH 418.1	X	X			
PHENOL	X	X			
TOX					
STD Water					
Total Coliform					
Fluoride					
Chloride					
8010/601					
8015					
8020/602					
8020 + MTBE					
8080					
8100					
8 TCLP Metals					
8240	X	X	X	X	
DIOCTYL PHTHALATE	X	X	X		
DIBUTYL PHTHALATE	X	X	X		
DIMETHYL PHTHALATE	X	X	X		
BIS (2-ETHYL HEXYL) PHTHALATE	X	X	X		

Remarks: METALS VIA MASS + SPLP.
REMAINING PARAMETERS VIA MASS ONLY.

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№ 7482

COMPLETE ENVIRONMENTAL TESTING, INC.

911 Bridgeport Avenue
900 Shelton Plaza
Shelton, CT 06484

Tel: (203) 925-1133
Fax: (203) 925-1140
e-mail: comenvtst@aol.com

RECEIVED
DEC 28 1998
HRP ASSOCIATES, INC.

December 24, 1998

Ms. Pat Terwilliger
HRP Associates
167 New Britain Avenue
Plainville, CT 06062

RE: Analysis of 6 soil samples collected 12/17/98.
PROJECT #: SPC0004.RC T-8, SPC, Barnum Ave., Stratford
CET #: 98-9757

	Total As
1	7.5
2	5.9
3	6.8
4	ND<2.0
5	44
6	6.5

Results are in ppm.

Please call if you have any questions.

PRIMARY CONTAINER STORAGE AREA – 3RD ROUND

David Ditta
Laboratory Director

HRP Associates, Inc.
167 New Britain Avenue
Plainville, CT 06062
Phone: 860-793-6899
Fax: 860-793-6871

HRP

CHAIN OF CUSTODY

Sheet 1 of 1

Job Number SPC0004.RC T-8

Project Manager RDM

Place & Address of Collection: SPC - BARNUM AVE. STRATFORD

Samplers Name (Signature): [signature]

Sample I.D.	Sample Location	Container Type	Total Volume	Preservative	Date	Time	Sample Matrix	Remarks
1	BOTTOM NEAR DOCK	G	8 oz	COOL	12/17/98	9:30	SOIL	
2	SIDE OF DOCK	↓	↓	↓	↓	↓	↓	
3	SIDEWALL BY PARKING							
4	SIDEWALL BARNUM AVE							
5	SIDEWALL BY STORM							
6	SIDEWALL BY GRATED DRAIN							

Relinquished By (Signature): [signature] 12/17/98	Received By (Signature): [signature]	Date 12/17/98	Time 10:30 AM
Relinquished By (Signature):	Received By (Signature):	Date	Time

Name & Address of Laboratory: CET - SHELTON

Parameters	Sample ID 1	2	3	4	5	6				
As BY MASS ANALYSIS	X	X	X	X	X	X				

Remarks: RUSH 2-3 DAY TURNAROUND

Abbreviations: G - Glass P - Plastic A - Amber T - TCLP Analysis M - Mass Analysis S - SPLP Analysis

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Nº 09563

COMPLETE ENVIRONMENTAL TESTING, INC.

911 Bridgeport Avenue
900 Shelton Plaza
Shelton, CT 06484

Tel: (203) 925-1133
Fax: (203) 925-1140
e-mail: comenvtst@aol.com

January 11, 1999

Ms. Pat Terwilliger
HRP Associates
167 New Britain Avenue
Plainville, CT 06062

RE: Analysis of 2 soil samples collected 1/7/99.
PROJECT #: SPC0004.RCT8, SPC, Barnum Ave., Stratford
CET #: 99-118

Total Metals:	1	2
As	3.3	8.0

Results are in ppm.

Please call if you have any questions.

PRIMARY CONTAINER STORAGE AREA - 4TH (AND FINAL) ROUND

David Ditta
Laboratory Director

HRP Associates, Inc.
167 New Britain Avenue
Plainville, CT 06062
Phone: 860-793-6899
Fax: 860-793-6871

HRP

CHAIN OF CUSTODY

Sheet 1 of 1

Job Number SPC.0004.PCB

Project Manager MCP

Place & Address of Collection SPC - BARNUM AVE STAMFORD

Samplers Name (Signature) [illegible]

Sample I.D.	Sample Location	Container Type	Total Volume	Preservative	Date	Time	Sample Matrix	Remarks
1	[illegible]	G	[illegible]	Cool	1/7/99		Soil	
2	[illegible]	↓	↓	↓	↓	[illegible]	↓	

Relinquished By (Signature)	Received By (Signature)	Date	Time
[illegible]	[illegible]	[illegible]	[illegible]
Relinquished By (Signature)	Received By (Signature)	Date	Time

Name & Address of Laboratory: CET SHELTON

Parameters	Sample ID									
	1	2								
Aroclors	X	X								
[illegible]										

Remarks: [illegible] 7 - 9 DAY TURNAROUND

Abbreviations: G - Glass P - Plastic A - Amber T - TCLP Analysis M - Mass Analysis S - SPLP Analysis

RECEIVED
AUG 27 1998
HRP ASSOCIATES, INC.

August 26, 1998

HRP Associates Inc.
167 New Britain Ave
Plainville, CT 06062

Attn: Ms. Pat Terwilliger

Please find attached laboratory report(s) for the samples submitted on : **August 12, 1998**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 898145
PO/JOB No.	: SPC0004.RC
INVOICE No.	: 73876
ORDER No.	: 54239
CUSTOMER No.	: 350

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 8-12-98

Client Name: **HRP Associates Inc.**	CTL Lab. No. 898145
Report Date: 8-26-98	PO/Job No. SPC0004.RC VIII

RESULTS OF ANALYSIS

Mass Analysis EPA 3050A

Matrix Type : S

Field Id.	CTL#	Cadmium -mg/kg	Arsenic -mg/kg	~~RES. DEC~~	
FBL-1	10232	---	11.3		
FW-1	10233	ND<0.5	---		
FW-2	10234	ND<0.5	---		
FW-3	10235	ND<0.5	---		
FW-6	10236	ND<0.5	---		
FW-7	10237	ND<0.5	---		
FW-8	10238	3.9	---		
		RES. DEC 34 mg/kg	10 mg/kg		

Matrix Type CTL Sample No. Field Id.	S 10233 FW-1	S 10234 FW-2	S 10235 FW-3	S 10236 FW-6	(GB ~~[illegible]~~ PMC)
Phenols-ppm	3.0	3.0	ND<2.5	ND<2.5	800 ppm

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8-12-98

Client Name: **HRP Associates Inc.**	CTL Lab. No. 898145
Report Date: 8-26-98	PO/Job No. SPC0004.RC VIII

RESULTS OF ANALYSIS

SPLP EPA 1312

Matrix Type: S

GB PMC = 0.06 mg/l

Field Id.	CTL#	Antimony -mg/L			
FW-1	10233	ND<0.006	✓		
FW-2	10234	ND<0.006	✓		
FW-3	10235	ND<0.006	✓		
FW-6	10236	ND<0.006	✓		
FW-7	10237	ND<0.006	✓		
FW-8	10238	0.011	✓		

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: **HRP Associates Inc.**	Date Extracted:	8-14-98
Lab No.	: 898145	Date Tested	: 8-14-98
PO No.	: SPC0004.RC VIII		
Rep. Date	: 8-26-98	Analyst	: DMG

EPA METHOD 602/8021B **Date Samples Rec'd:** 8-12-98

Matrix Type :		**S**	**S**	**S**	**S**
CTL Sample #:		**10233**	**10234**	**10235**	**10236**
Field ID :		**FW-1**	**FW-2**	**FW-3**	**FW-6**
	GB PMC 200ppb **MDL**				
Benzene	20	BDL	BDL	BDL	BDL

MDL = Minimum Detectable Level/ **BDL** = Below Detection Level/ **UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

898145

HRP Associates, Inc.
167 New Britain Avenue
Plainville, CT 06062
Phone: 860-793-6899
Fax: 860-793-6871

HRP

CHAIN OF CUSTODY

Sheet 1 of 1

Job Number SPC-0004-RC VIII

Project Manager RDM/SHEP

Place & Address of Collection SPC 375 BARNUM AVE STRATFORD

Samplers Name (Signature) RJ Botelho

Sample I.D.	Sample Location	Container Type	Total Volume	Preservative	Date	Time	Sample Matrix	Remarks
FBL-1	FORMER Boiler	8oz	Glass	COOL	8/11/98	AM	Soil	CHANNELL Bottom
FW-1	↓	↓	↓	↓	↓	↓	↓	SIDE WALL
FW-2								↓
FW-3								
FW-6								↓
FW-7								Bottom
FW-8	↓	↓	↓	↓	↓	↓	↓	Bottom

Relinquished By (Signature)	Received By (Signature)	Date	Time
RJ Botelho	Daria Hoyman	8/12/98	3:30
Daria Hoyman	M McMahon	8/12/98	4:00

Name & Address of Laboratory: CTL

Parameters	Sample ID									
	FBL-1	FW-1	FW-2	FW-3	FW-6	FW-7	FW-8			
As by (M)	X									
Cd By (M)		X	X	X	X	X	X			
Antimony (S)		X	X	X	X	X	X			
BENZENE		X	X	X	X					
Phenols		X	X	X	X					

Remarks:

Abbreviations: G - Glass P - Plastic A - Amber T - TCLP Analysis M - Mass Analysis S - SPLP Analysis

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№ 09027

APPENDIX Q

CRA'S INDOOR AND OUTDOOR AIR SAMPLING LOCATION AND RESULTS (APRIL 2002)

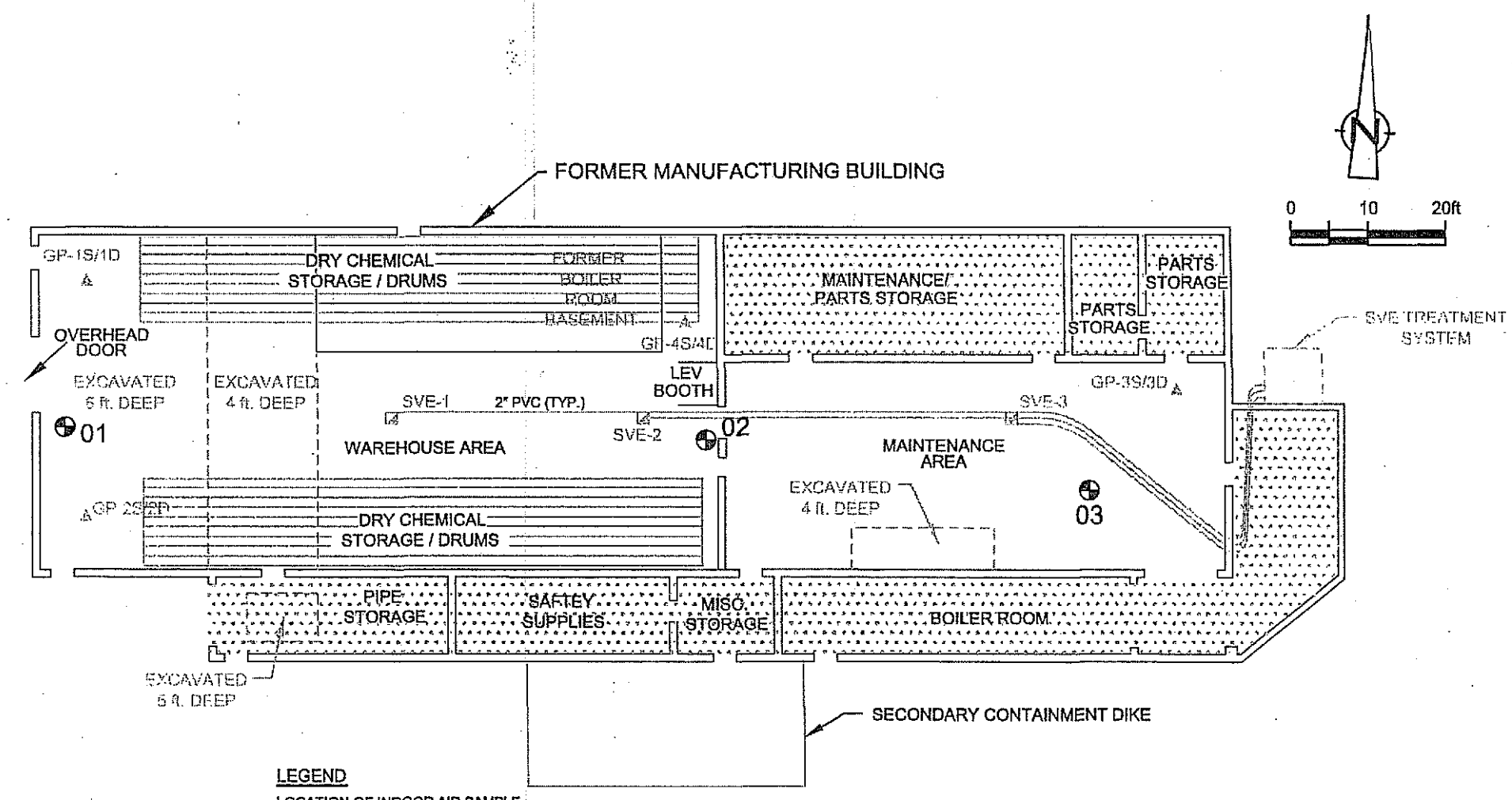

figure B.1

LOCATION OF INDOOR AIR SAMPLES
SYNTHETIC PRODUCTS COMPANY
Stratford, Connecticut

TABLE B.1

SUMMARY OF INDOOR AIR SAMPLE ANALYTICAL RESULTS
APRIL 15, 2002 BENZENE AIR SAMPLING EVENT
SYNTHETIC PRODUCTS COMPANY
STRATFORD, CONNECTICUT

Sample Location	*CTDEM Ind./Com. Target Indoor Air Concentration*	*01*	*02*	*03*
Sample Identification		*3627-41502-GP-01*	*3627-41502-GP-02*	*3627-41502-GP-03*
Volatile Organic Compounds (µg/m^3)				
Benzene	21.5	ND (15.95)	ND (15.95)	ND (15.95)

Notes:

Analytical results in this table are presented in units of micrograms per cubic meter of air (µg/m^3), as converted from laboratory analytical data which are reported in units of parts per billion on a volumetric basis (ppbv).
ND ( ) - not detected at detection limit shown in parenthesis
J - the associated value is an estimated quantity

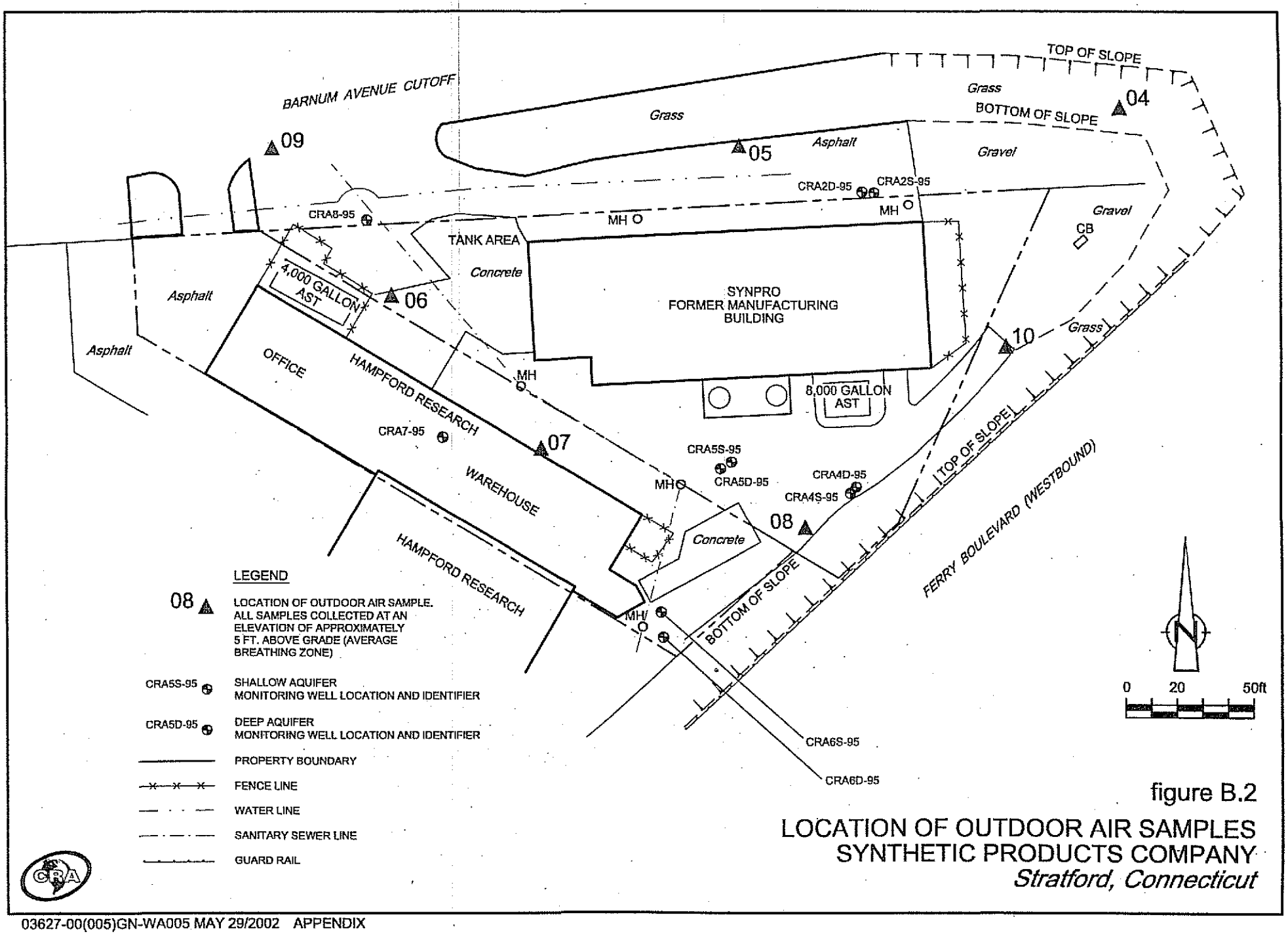

figure B.2

LOCATION OF OUTDOOR AIR SAMPLES
SYNTHETIC PRODUCTS COMPANY
Stratford, Connecticut

TABLE B.2

SUMMARY OF OUTDOOR AIR SAMPLE ANALYTICAL RESULTS
APRIL 15, 2002 BENZENE AIR SAMPLING EVENT
SYNTHETIC PRODUCTS COMPANY
STRATFORD, CONNECTICUT

Sample Location	*04*	*05*	*06*	*07*	*08*	*09*	*10*
Sample Identification	*3627-41502-04*	*3627-41502-05*	*3627-41502-06*	*3627-41502-07*	*3627-41502-08*	*3627-41502-09*	*3627-41502-10*
Volatile Organic Compounds ($\mu g/m^3$)							
Benzene	ND (15.95)	ND (15.95)	ND (15.95)	ND (15.95)	ND (15.95)	ND (15.95)	ND (15.95)

Notes:

Analytical results in this table are presented in units of micrograms per cubic meter of air ($\mu g/m^3$), as converted from laboratory analytical data which are reported in units of parts per billion on a volumetric basis (ppbv).
ND ( ) - not detected at detection limit shown in parenthesis
J - the associated value is an estimated quantity

APPENDIX R

ALTERNATIVE SURFACE WATER PROTECTION CRITERIA WORKSHEET

with any regularity at the Site. This is particularly true at monitoring wells CRA5S-95 and CRA6S-95 located within and downgradient, respectively, of the former leach field at the Site. This supports the occurrence of a reduction in the groundwater contamination beneath the Site due to the corrective measures that have been implemented (e.g., excavation and disposal of the dry well leaching system and contaminated soil; groundwater extraction and treatment; free product recovery; excavation of contaminated soil within and adjacent to the former manufacturing building as part of RCRA closure activities; and construction and operation of a SVE system). In addition, the Site-related organic compounds predominantly are petroleum hydrocarbons (i.e., benzene, toluene, ethylbenzene, and xylenes) that are utilized by bacteria indigenous to the subsurface as a substrate (i.e., carbon or energy) source. As a result, there is significant potential for the occurrence of natural biodegradation processes in groundwater beneath the Site. The declining trend in the detected groundwater concentrations in relation to historical levels supports the occurrence of this natural attenuation mechanism.

In Table 2.1, the detected concentrations of Site-related compounds are compared to the CTDEP (SWPC) presented in the RSR, 22a-133k-3 (b)[3]. Only benzene is detected above the SWPC. A review of the historical groundwater quality data for the Site indicates that 1,1-dichloroethene (1,1-DCE) is the only other organic compound (not presently analyzed for in the current groundwater quality monitoring program) detected by Kraft above the SWPC[5]. Historically, the results for groundwater samples collected during Kraft's June 1995 and September 1995 investigations indicate that the following total metals were also above the SWPC: arsenic, cadmium, copper, lead, zinc, and nickel[5]. These SWPC exceedances were attributed to the natural chemistry of the groundwater based on the background concentrations detected in the Site soil, and the significant levels of turbidity in the groundwater samples. Furthermore, all six metals are present in groundwater at elevated levels on the up-gradient, adjacent Raymark site, as documented in the RI report[2]. Accordingly, metals analyses are not included in the current groundwater quality monitoring program. Furthermore, by excavating the areas beneath the former RCRA storage units during SynPro's RCRA closure activities, and replacing those areas with clean fill, arsenic and cadmium contamination in Site soils was effectively removed[6].

The State of Connecticut Remediation Standard Regulation 22a-133k-3 (b) (3) (A)[3] describes a methodology to develop Site-specific Alternative Surface Water Protection Criteria (ASWPC) as follows:

$$\mathrm{ASWPC} = \mathrm{WQS} \times \left(\frac{0.25 \times 7Q_{10}}{Q_{\mathrm{plume}}} \right) \qquad (1)$$

where:

WQS - the lower of the human health or aquatic life criteria reported in Appendix D of CTDEP's Water Quality Standards[7] appropriate for the receiving surface water body. The Housatonic River southeast of the Site is classified by CT DEP as saline (Class "SB/SC") and the appropriate human health and aquatic life criteria that was used correspond to the criteria for human consumption of organisms and chronic exposure for salt water aquatic species, respectively.

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6 RCRA Closure Plan, Parts II and III, Synthetic Products Company, Stratford, Connecticut, dated February 2001 and prepared by HRP.

7 Water Quality Standards, Connecticut Department of Environmental Protection, Appendix D, effective December 17, 2002.

$7Q_{10}$ - the lowest 7 consecutive day mean stream discharge rate with a recurrence interval of 10 years [cubic feet per second (ft^3/s)] for the receiving water body. A value of 264 ft^3/s is applied for the Housatonic River as reported by USGS in CRA's correspondence to CTDEP dated June 1, 1998[8]; and

Q_{plume} - the average discharge of contaminated groundwater through the groundwater plume (ft^3/s). A value of 0.003 ft^3/s applied as calculated in Table 2.2.

Equation (1) considers only dilution mechanisms within the receiving water body and does not account for the attenuation mechanisms of biodegradation, dispersion, and retardation occurring within groundwater along the groundwater flow path toward the receiving water body. As a result, the development of Site-specific ASWPC using Equation (1) is considered to be a conservative approach.

The calculation of the Site-specific ASWPC for benzene and 1,1-DCE are presented in Table 2.2. The Site-specific ASWPC are compared in Table 2.2 to the maximum benzene concentration detected on Site during the most recent groundwater sampling event, and the maximum 1,1-DCE concentration historically detected on Site by Kraft. The maximum detected benzene and 1,1-DCE concentrations are well below the calculated Site-specific ASWPC. Therefore, it is concluded that organic contamination detected in groundwater beneath the Site does not pose an adverse impact to the surface water quality of the Housatonic River.

Similarly, the ASWPC calculated for the metals that were historically detected above the SWPC in Site groundwater are included in Table 2.3. The maximum detected concentrations or arsenic, cadmium, lead, nickel, copper and zinc are well below their respective Site-specific ASWPC. Therefore, the concentrations of metals detected in groundwater beneath the Site do not pose an adverse impact to the surface water quality of the Housatonic River.

3. *Has the migration of contaminated groundwater stabilized (such that contaminated groundwater is expected to remain within "existing area of contaminated groundwater"[9] as defined by the monitoring locations designated at the time of this determination)?*

_X_ *If yes - continue, after presenting or referencing the physical evidence (e.g., groundwater sampling/measurement/migration barrier data) and rationale why contaminated groundwater is expected to remain within the (horizontal or vertical) dimensions of the "existing area of groundwater contamination"[7]).*

____ *If no (contaminated groundwater is observed or expected to migrate beyond the designated locations defining the "existing area of groundwater contamination"[7]) - skip to #8 and enter "NO" status code, after providing an explanation.*

____ *If unknown - skip to #8 and enter "N" status code.*

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8 Letter from Scott Green of CRA to William Coleman of CTDEP, dated June 1, 1998.

9 "existing area of contaminated groundwater" is an area (with horizontal and vertical dimensions) that has been verifiably demonstrated to contain all relevant groundwater contamination for this determination, and is defined by designated (monitoring) locations proximate to the outer perimeter of "contamination" that can and will be sampled/tested in the future to physically verify that all "contaminated" groundwater remains within this area, and that the further migration of "contaminated" groundwater is not occurring. Reasonable allowances in the proximity of the monitoring locations are permissible to incorporate formal remedy decisions (i.e., including public participation) allowing a limited area for natural attenuation.

TABLE 2.3

ALTERNATIVE SURFACE WATER PROTECTION CRITERIA FOR HEAVY METALS
SYNTHETIC PRODUCTS COMPANY
STRATFORD, CONNECTICUT

Compound of Concern	*CTDEP Surface Water Aquatic Life Criteria (1) (µg/L)*	*CTDEP Surface Water Human Health Criteria (2) (µg/L)*	*Maximum Detected Concentration Throughout Site During Most Recent Groundwater Sampling Event (µg/L)*	*Location*	*Date*	*Alternative Surface Water Protection Criteria (4) (µg/L)*
Compounds Detected Above CTDEP Surface Water Protection Criteria in Historical Groundwater Sampling (3)						
Arsenic	36	0.021	29/38	CRA6S-95	Sept./95	455
Cadmium	9.3	10,769	540	CRA4D-95	Sept./95	201,352
Copper	3.1	--	180/230	CRA5S-95	Sept./95	67,117
Lead	8.1	--	74	CRA4D-95	Sept./95	175,371
Zinc	81	68,740	3,100	CRA4D-95	Sept./95	1,753,710
Nickel	8.2	4,600	1,900	CRA8-95	Sept./95	177,536

Notes:

-- No criteria available.

(1) CTDEP surface water aquatic life criteria presented in the Water Quality Standards, Appendix D, saltwater chronic criteria (CTDEP, December 17, 2002).

(2) CTDEP surface water human health criteria presented in the Water Quality Standards, Appendix D, criteria for consumption of organisms (CTDEP, December 17, 2002).

(3) Groundwater sampling results presented in the Supplemental Hydrogeologic Investigation Report, dated May 1996 and prepared by CRA.

(4) Alternative surface water protection criteria developed in accordance with the State of Connecticut Remediation Standard Regulation 22a-133k-3 (b)(3) proceedure of multiplying the lower of the human health or aquatic life criteria by the the quanitity $[(0.25*7Q_{10})/Q_{plume}]$ where $Q_{plume}=K*i*W_{plume}*B_{plume}$ using the following input parameters:

Input Parameter	Value	Basis
Lowest seven day river flow with a 10 year recurrence interval, $7Q_{10}$ (ft^3/s)	264	USGS
Aquifer Hydraulic Conductivity, K (ft/d)	43.1	Geometric mean of hydraulic conductivity vales determined from single-well response tests (CRA, 1996).
Hydraulic Gradient, i (ft/ft)	0.00058	Average of horizontal hydraulic gradients between monitoring well pairs CRA2S-95/CRA6S-95 and CRA8-95/CRA6S-95 on June 27, 2001, September 26, 2001, March 12, 2002, and September 18, 2002.
Width of Groundwater Plume, W_{plume} (ft)	200	Approximate width of on-Site groundwater impact perpendicular to the average groundwater flow direction.
Depth of Groundwater Plume, B_{plume} (ft)	52.3	Average depth to bedrock below water table observed on Site.
A_{plume} (ft^2)	10,453.3	Equals $W_{plume}*B_{plume}$
Q_{plume} (ft^3/s)	0.0030	Equals $K*i*W_{plume}*B_{plume}$

TABLE 2.2

ALTERNATIVE SURFACE WATER PROTECTION CRITERIA
SYNTHETIC PRODUCTS COMPANY
STRATFORD, CONNECTICUT

Compound of Concern	*CTDEP Surface Water Aquatic Life Criteria (1) (µg/L)*	*CTDEP Surface Water Human Health Criteria (2) (µg/L)*	*Maximum Detected Concentration Throughout Site During Most Recent Groundwater Sampling Event (µg/L)*	*Location*	*Date*	*Alternative Surface Water Protection Criteria (5) (µg/L)*
Compounds Detected Above CTDEP Surface Water Protection Criteria in Most Recent Groundwater Sampling (3)						
Benzene	--	71	4,660	CRA6D-95	Sept. 18/02	1,537,203
Compounds Detected Above CTDEP Surface Water Protection Criteria in Historical Groundwater Sampling (4)						
1,1-Dichloroethene	--	3.2	570	CRA4S-95	Sept./95	69,282

Notes:
-- No criteria available.
(1) CTDEP surface water aquatic life criteria presented in the Water Quality Standards, Appendix D, saltwater chronic criteria (CTDEP, December 17, 2002).
(2) CTDEP surface water human health criteria presented in the Water Quality Standards, Appendix D, criteria for consumption of organisms (CTDEP, December 17, 2002).
(3) Groundwater sampling results presented in the CRA correspondence to CTDEP dated December 30, 2002.
(4) Historical groundwater sampling results presented in the Supplemental Hydrogeologic Investigation Report, dated May 1996 and prepared by CRA.
(5) Alternative surface water protection criteria developed in accordance with the State of Connecticut Remediation Standard Regulation 22a-133k-3 (b)(3) procedure of multiplying the lower of the human health or aquatic life criteria by the the quantity $[(0.25*7Q_{10})/Q_{plume}]$ where $Q_{plume}=K*i*W_{plume}*B_{plume}$ using the following input parameters:

Input Parameter	Value	Basis
Lowest seven day river flow with a 10 year recurrence interval, $7Q_{10}$ (ft^3/s)	264	USGS
Aquifer Hydraulic Conductivity, K (ft/d)	43.1	Geometric mean of hydraulic conductivity vales determined from single-well response tests (CRA, 1996).
Hydraulic Gradient, i (ft/ft)	0.00058	Average of horizontal hydraulic gradients between monitoring well pairs CRA2S-95/CRA6S-95 and CRA8-95/CRA6S-95 on June 27, 2001, September 26, 2001, March 12, 2002, and September 18, 2002.
Width of Groundwater Plume, W_{plume} (ft)	200	Approximate width of on-Site groundwater impact perpendicular to the average groundwater flow direction.
Depth of Groundwater Plume, B_{plume} (ft)	52.3	Average depth to bedrock below water table observed on Site.
A_{plume} (ft^2)	10,453.3	Equals $W_{plume}*B_{plume}$
Q_{plume} (ft^3/s)	0.0030	Equals $K*i*W_{plume}*B_{plume}$

APPENDIX S

"DEVELOPMENT OF SITE-SPECIFIC GROUNDWATER AND SOIL GAS CRITERIA FOR THE PROTECTION OF INDOOR AIR QUALITY, SYNTHETIC PRODUCTS COMPANY SITE" BY CONESTOGA-ROVERS ASSOCIATES

APPENDIX A

DEVELOPMENT OF SITE-SPECIFIC GROUNDWATER AND SOIL GAS CRITERIA FOR THE PROTECTION OF INDOOR AIR QUALITY SYNTHETIC PRODUCTS COMPANY SITE STRATFORD, CONNECTICUT

1.0 INTRODUCTION

Site-specific groundwater and soil gas criteria for protection of indoor air quality were developed for the compounds benzene, toluene, ethylbenzene, xylenes, and heptane which historically have been detected in soil gas samples collected from the soil vapor extraction (SVE) wells beneath the former manufacturing building at the Site and which also are currently being analyzed for during groundwater monitoring events. The attached Table A.1 presents the concentrations of these parameters detected in soil vapor samples collected since start-up of the SVE system. The attached Table A.2 presents the concentrations of the these same parameters detected in groundwater samples collected during the groundwater quality monitoring program being implemented at the Site. Of these parameters, only benzene currently is detected in groundwater above the Connecticut Department of Environmental Management (CTDEM) Volatilization Criteria for groundwater at monitoring wells CRA4S-95, CRA5S-95, CRA6S-95, and CRA6D-95 as indicated in Table A.2. The Site-specific groundwater and soil gas criteria are compared to detected contaminant concentrations in groundwater and soil gas to assess whether the potential exists for an unacceptable risk to the health of workers within the former manufacturing building due to exposure to indoor air.

Site-specific groundwater and soil gas criteria also were developed for the volatile organic compounds (VOCs) 1,1-dichloroethene (1,1-DCE) and vinyl chloride (VC) which historically were detected in groundwater at concentrations above the CTDEM Volatilization Criteria for groundwater (CRA, 1996[1]). A comparison of the Site-specific groundwater criteria to the historically detected concentrations of these parameters also was conducted.

The development of Site-specific groundwater and soil gas criteria for the protection of indoor air quality is presented herein for the VOCs listed above. The Site-specific criteria were developed based on the characteristics of the existing building, the characteristics of the vadose zone soils observed beneath the Site, and allowable risk-based target indoor air concentrations based on an industrial indoor air exposure scenario. The development of the Site-specific criteria follows the indoor air migration modeling approach applied by the United States Environmental Protection Agency (USEPA) (2000[2]). A brief description of the modeling approach is presented in Section 2.0. A description of the applied risk-based target indoor air concentrations is presented Section 3.0. A description of the Site-specific input parameters applied to develop the Site-specific criteria is presented in Section 4.0. The calculation of the Site-specific criteria is presented in Section 5.0.

2.0 MODELING APPROACH

The Site-specific groundwater and soil gas criteria are applicable in situations where the only potential for human exposure to contamination in the subsurface is through the migration of contaminant vapors to the indoor air of the overlying Site building. The modeling approach is based on the

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1 CRA, 1996. Supplemental Hydrogeologic Investigation Report, Synthetic Products Company, Stratford, Connecticut, May.

2 USEPA, 2000. User's Guide for the Johnson and Ettinger (1991) Model for Subsurface Intrusion into Buildings (Revised), Office of Emergency and Remedial Response, Washington, DC, December.

selection of an allowable risk-based target indoor air concentration that is protective of human health for an industrial exposure scenario. This allowable indoor air concentration is used to determine an allowable soil gas concentration beneath a building that would not cause an exceedance of the allowable indoor air concentration. The allowable soil gas concentration is converted to a groundwater concentration at the water table based on Henry's law.

The allowable soil gas concentration is determined by estimating the degree of attenuation occurring as contaminant vapors migrate upward through the vadose zone, enter the building, and mix with the air volume within the building. The degree of attenuation is determined using the modelling approach presented by Johnson and Ettinger (1991[3]). Johnson and Ettinger (1991[3]) present a screening-level model which represents the advective-dispersive migration of contaminants in soil gas through the vadose zone soil and building foundation, followed by the mixing of the intruding contaminant vapors with the indoor air volume of the building. The contaminant vapors in soil gas are assumed to be sourced from the presence of soil contamination in the vadose zone and/or groundwater contamination at the water table. The USEPA's implementation of the Johnson and Ettinger (1991) model is applied herein (USEPA, 2000).

The Site-specific groundwater criteria for protection of indoor air quality are calculated from the allowable risk-based target indoor air concentrations using the following:

$$C_{gw} = \frac{C_{air}}{\alpha \times d \times H \times C}$$

where:

C_{air} - The allowable risk-based target indoor air concentration [micrograms per cubic meter ($\mu g/m^3$)];

C_{gw} - The calculated groundwater concentration which would not result in an indoor air concentration greater than C_{air} [micrograms per liter ($\mu g/L$)];

α - A calculated soil gas attenuation factor which relates the indoor air concentration to the concentration in soil gas directly above a groundwater or soil source based on the heuristic model developed by Johnson and Ettinger (1991; Equation 21);

d - A modification factor to convert the theoretical groundwater to soil gas equilibrium concentrations (as determined by Henry's Law) to realistic environmental concentrations (in which equilibrium conditions are unlikely). A value of 0.1 is applied for d, which corresponds to increasing by a factor of 10 the groundwater concentration predicted by Henry's Law to result from a soil gas concentration immediately above the water table. Conversely, the application of a value of 0.1 for d corresponds to decreasing by a factor of 10 the soil gas concentration immediately above the water table predicted by Henry's Law to result from a groundwater concentration. The application of this modification factor is related to the recognition that equilibrium conditions, as represented by Henry's Law, between groundwater concentrations and soil concentrations immediately above the water table are unlikely to exist in the actual physical setting due to the presence of a partially saturated zone immediately above the water table, referred to as the capillary fringe. The capillary fringe forms a barrier to contaminant volatilization from groundwater to the vadose zone. A value of 0.1 is selected for d as a conservative approximation and is

3 Johnson, P.C. and R.A. Ettinger, 1991. Heuristic Model for Predicting the Intrusion Rate of Contaminant Vapors into Buildings, Environmental Science and Technology, 25(8), pp. 1445-1452.

consistent with that applied by Massachusetts Department of Environmental Protection (MDEP) (MDEP, 1994[4]);

H - Compound-specific dimensionless Henry's Law Constant; and

C - Units conversion factor of 10^3 liters per cubic meter (L/m^3).

Equation (1) above can be separated into the following two components:

$$C_{sg} = \frac{C_{air}}{\alpha} \tag{2a}$$

$$C_{gw} = \frac{C_{sg}}{d \times H \times C} \tag{2b}$$

where:

C_{sg} - the allowable soil gas concentration which would not result in an indoor air concentration greater than C_{air} ($\mu g/m^3$).

Equation (2a) above is applied herein to determine the Site-specific soil gas criteria. Equation (2b) represents the application of Henry's Law to convert C_{sg} immediately above the water table to a groundwater concentration to determine the Site-specific groundwater criteria. The application of Henry's Law in the development of the Site-specific groundwater criteria assumes the presence of equilibrium conditions between the water table and soil gas immediately above the water table. As described above, equilibrium conditions are unlikely in the actual physical setting. The presence of the capillary fringe attenuates the volatilization of VOCs from groundwater to soil gas and prevents equilibrium conditions from being established. The application of a value of 0.1 for the modification factor d in Equations (1) and (2b) is consistent with that applied by MDEP (1994).

The Johnson and Ettinger (1991) soil gas attenuation factor is based on an analytical solution of the advective-dispersive contaminant transport equation for the vadose zone which incorporates intrusion of soil gas vapors through a building foundation and the mixing of these vapors within the air shed of the building. To evaluate the Site-specific criteria, soil gas attenuation factor values are calculated consistent with compound, vadose zone soil, and building properties specific to the Site. The calculation of the Site-specific soil gas attenuation factor is conducted through the application of the Johnson and Ettinger (1991) solution incorporated into a Microsoft Excel spreadsheet model developed by the United States Environmental Protection Agency (USEPA) (USEPA, 2000). The USEPA implementation of the Johnson and Ettinger (1991) model has undergone extensive peer review and is widely accepted by regulatory agencies throughout the United States and Canada. The Site-specific compound, vadose zone soil, and building properties applied to calculate the Site-specific attenuation factor values used in the development of the Site-specific soil gas and groundwater criteria are presented in Section 4.0.

4 MDEP, 1994. Background Documentation for the Development of the MCP Numerical Standards, Bureau of Waste Site Cleanup and Office of Research and Standards, April.

3.0 RISK-BASED TARGET INDOOR AIR CONCENTRATIONS

The allowable risk-based target indoor air concentrations applied in this analysis correspond to CTDEM's Industrial/Commercial Target Indoor Air Concentration reported in the State of Connecticut Remediation Standard 22a-133k-3 (c)(4). The applied allowable indoor air concentrations are presented in the attached Table A.3.

A CTDEP Industrial/Commercial Target Indoor Air Concentration is not reported for heptane. An allowable indoor air concentration for heptane was calculated by CRA from the following:

$$C_{air} = \frac{THQ \times RfD \times BW \times AT \times CF}{InR \times EF \times ED}$$

where:

C_{air} - allowable indoor air concentration based on inhalation exposure (µg/m³);

THQ - target hazard quotient. A value of 1.0 is applied;

RfD - chemical-specific reference dose factor for inhalation exposure [milligrams per kilogram-day (mg/kg-day)]. A value of 2 mg/kg-day is applied for heptane, as reported by Edwards et al. (1997[5]);

BW - adult body weight. A value of 70 kilograms is applied;

AT - averaging time for non-carcinogen (days). A value of 30 years, or 10,950 days is applied;

CF - conversion factor (1,000 µg/mg);

InR - inhalation rate [cubic meters per day (m³/d)]. A value of 20 m³/d is applied based on an adult inhalation rate;

EF - exposure frequency [days per year (d/yr)]. A value of 350 d/y is applied; and

ED - exposure duration (years). A value of 30 years is applied.

Applying the input parameters described above provides an allowable risk-based target indoor concentration of 7,300 µg/m³ for heptane.

4.0 SITE-SPECIFIC INPUT PARAMETERS

The modeling approach applied to develop Site-specific soil gas and groundwater criteria consists of evaluating a Site-specific value for the Johnson and Ettinger (1991) soil gas attenuation factor α. The Site-specific calculation of α is based on compound, vadose zone soil, and building property data specific to the Site. For the analysis presented herein, the applied vadose zone soil properties are considered consistent with measured data for the sand and gravel deposit beneath the Site that

5 Edwards, D.A., Andriot, M.D., Amoruso, M.A., Tummey, A.C., Bevan, C.J., Tveit, A., Hayes, L.A., Youngren, S.H., and Nakles, D.V., 1997. Total Petroleum Hydrocarbon Working Group Series Volume 4: Development of Fraction Specific Reference Doses (RfDs) and Reference Concentrations (RfCs) for Total Petroleum Hydrocarbons (TPH), Amherst Scientific Publishers, Amherst, Massachusetts.

comprises both the vadose and saturated zones. The applied building properties correspond to that of the existing Site building.

Compound Properties

Site-specific compound properties applied in the calculation of the Johnson and Ettinger (1991) soil gas attenuation factor consist of a Henry's Law constant, a water diffusion coefficient, an air diffusion coefficient, and organic carbon partitioning coefficient. Values for these compound properties, specific to each compound under consideration, are applied as incorporated into the chemical property database implemented in USEPA (2000). For heptane, compound properties are not contained in USEPA (2000) and the applied compound properties for heptane correspond to those reported by Gustafson et al. (1997[6]; Table 3). The compound properties applied to develop the Site-specific soil and groundwater criteria for each compound under consideration are presented in the attached Table A.3. The compound properties of Henry's Law constant and air diffusion coefficient were corrected to a vadose zone temperature of 20 degrees Celsius corresponding to the average groundwater temperature measured during monitoring well purging for the September 26, 2001 groundwater sampling event (CRA correspondence to CTDEM dated January 2, 2002). The groundwater temperatures measured in September 2001 are warmer than groundwater temperatures measured during the most recent groundwater monitoring event conducted on March 12, 2002, leading to greater volatilization potential, and are therefore considered conservative.

Vadose Zone Soil Properties:

The vadose zone beneath the Site consists of a sand and gravel deposit. The Site-specific vadose zone soil physical properties applied in the development of the Site-specific soil gas and groundwater criteria consist of the following:

- soil moisture content, θ_m:

  Moisture content value of 8 percent is applied to reflect conservative moisture content levels expected within the sand and gravel deposit comprising the vadose zone;

- porosity, ε_T:

  A porosity value of 30 percent is applied and is considered representative of the sand and gravel comprising the vadose zone. Fetter (1994[7]) indicates that a porosity value of between 20 and 35 percent is appropriate for soils described as mixed sand and gravel;

- dry bulk soil density, δ_{db}:

  A dry bulk soil density value of 1.852 grams per cubic centimeter (g/cm³) is applied and is calculated using the relationship $\delta_{db} = (1 - \varepsilon_T) \times G_s \times \rho_w$, where a specific gravity G_s of 2.65 was assumed and a water density ρ_w of 998.2 kg/m³ at 20°C was applied; and

- hydraulic conductivity which is converted to a vadose zone effective vapor permeability to vapor flow, k_V:

  A hydraulic conductivity value of 1.52×10^{-2} centimeters per second (cm/s) is applied based on the geometric mean of the hydraulic conductivity values determined from single-well response tests conducted at Site monitoring wells completed within the sand and gravel deposit

6 Gustafson, J.B, J.G. Tell, and D. Orem, 1997. Total Petroleum Hydrocarbon Working Group Series Volume 3: Selection of Representative TPH Fractions Based on Fate and Transport Considerations, Amherst Scientific Publishers, Amherst, Massachusetts, July.

7 Fetter, C.W., 1994. Applied Hydrogeology, Third Edition. Upper Saddle River, N.J., Prentice Hall.

(CRA, 1996). The hydraulic conductivity is converted to an intrinsic permeability k_i (as indicated in the attached Table A.3). A relative vapor permeability k_r is determined after Parker et al. (1987[8]) for a sand soil type as implemented in USEPA (2000) (as indicated in the attached Table A.3). The effective vapor permeability is equal to the product of k_i and k_r (as indicated in the attached Table A.3).

Building Properties:

The following building properties are applied and are considered consistent with the former manufacturing building that exists at the Site:

- below grade building surface area, A_B :

  A 794 square meter (8,550 square feet) total area is applied. This area is based on the equivalent length and width of the existing Site building of 162 feet and 51 feet, respectively, with slab-on-grade construction and a floor slab thickness of 8 inches. The Site building is irregular in shape and the building area must be input using the dimensions of a rectangular area. The equivalent length and width were selected to closely match the overall rectangular building shape and to provide an area equivalent to the total building area calculated based on the actual building footprint;

- building volume, V_B :

  A 5,147 cubic meter volume is applied based on the approximate equivalent length and width of the existing Site building of 162 feet and 51 feet, respectively, and an average ceiling height of 22 feet;

- building indoor air exchange rate, T_{air} :

  An indoor air exchange rate of 0.83 building volumes per hour was applied consistent with the industrial enclosed-space air exchange rate stipulated in the American Society for Testing and Materials (ASTM) Standard Guide in Risk-Based Corrective Action at Petroleum Release Sites (ASTM, 1995[9]);

- distance from the building floor to the groundwater impact, L_T :

  A distance of 1.83 meters is applied based on the average depth to groundwater of approximately 6.0 feet measured at shallow Site monitoring wells during the September 26, 2001 groundwater sampling event (CRA correspondence to CTDEM dated January 2, 2002). The average depth to groundwater measured in September 2001 is less (higher water table) than the average depth measured during the most recent groundwater monitoring event conducted on March 12, 2002, and therefore results in a more conservative calculation; and

- ratio of building crack area to building below-grade area, η :

  A value of 0.1 percent is applied which is consistent with the assumption that 1 millimeter wide cracks with a spacing 1 meter exist along the floor of the Site building.

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8 Parker, J.C., R.J. Lenhard, and T. Kuppusamy, 1987. A Parametric Model for Constitutive Properties Governing Multiphase Flow in Porous Media, Water Resources Research, Vol. 23, No. 4, pp. 618-624.

9 ASTM, 1995. Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites, ASTM Designation: E1739-95, West Conshohocken, PA.

5.0 CALCULATION OF SITE-SPECIFIC CRITERIA FOR PROTECTION OF INDOOR AIR QUALITY

The calculations of the Site-specific soil gas and groundwater criteria for protection of indoor air quality are presented in the attached Table A.3. All applied input parameters and the basis for these parameters are presented in Table A.3.

The Site-specific soil gas criteria for protection of indoor air quality are summarized below and are compared to the maximum concentrations detected in the most recent June 14, 2002 SVE system vapor samples, as follows:

Analyte	*Site-Specific Soil Gas Criteria (mg/m^3)*	*Maximum Concentrations Detected in SVE Vapor Samples (1) (mg/m^3)*
Benzene	375	0.010U (SVE-1, SVE-2, SVE-3)
Toluene	10,276	0.079 (SVE-3)
Ethylbenzene	29,021	0.013 (SVE-1)
m-Xylene	9,223	0.050 (m&p Xylenes) (SVE-1)
p-Xylene	8,526	0.050 (m&p Xylenes) (SVE-1)
o-Xylene	7,705	0.015 (SVE-1)
Heptane	161,835	0.010U (SVE-1, SVE-2, SVE-3)
1,1-DCE	1.4	NA
VC	0.7	NA

Notes:

mg/m^3	Milligrams per cubic meter of air.
NA	Not analyzed. The parameters 1,1-DCE and VC are not analyzed for in the current SVE vapor sampling program.
U	Non-detect at the associated value.
J	The associated value is an estimated quantity.
(1)	Maximum concentrations detected in the most recent vapor samples collected on June 14, 2002 from SVE vapor extraction wells SVE-1, SVE-2, and SVE-3 (and the location of maximum detected concentration). Note benzene and heptane were not detected.

The Site-specific groundwater criteria for protection of indoor air quality are summarized below and are compared to the maximum concentrations detected in the most recent shallow groundwater samples collected on March 12, 2002 (September 1995 for 1,1-DCE and VC), as follows:

Analyte	*Site-Specific Groundwater Criteria (µg/L)*	*Maximum Concentrations Detected in Groundwater* [1] *(µg/L)*
Benzene	20,416	4,750/4,530 (CRA6S-95: March 12/02)
Toluene	483,497	7.1 (CRA4S-95: March 12/02)
Ethylbenzene	1,182,268	3.0J (CRA5S-95: March 12/02)
m-Xylene	404,519	ND(20) (total xylenes) (CRA6S-95: March 12/02)
o-Xylene	479,127	ND(20) (total xylenes) (CRA6S-95: March 12/02)
p-Xylene	379,358	ND(20) (total xylenes) (CRA6S-95: March 12/02)
Heptane	18,889	ND(100) (CRA6S-95: March 12/02)
1,1-DCE	15	570 (CRA4S-95: Sept. 1995)
VC	7.5	150 (CRA4S-95: Sept. 1995)

Notes:

µg/L Micrograms per liter.
J The associated value is an estimated quantity.
ND Not detected at the reporting limit indicated in parentheses.
(1) Maximum concentrations detected in the most recent groundwater samples collected from shallow monitoring wells and the location of the maximum detected concentration.

6.0 CONCLUSIONS

The concentrations of benzene, toluene, ethylbenzene, xylenes, and heptane detected in the SVE system vapor samples and in groundwater are all below the respective Site-specific criteria for protection of indoor air quality. This demonstrates that the levels of these parameters in soil gas and groundwater beneath the Site do not pose an unacceptable risk to the health of Site workers within the former manufacturing building.

Although the historical concentrations of 1,1-DCE and VC detected in groundwater are greater than the developed Site-specific groundwater criteria for protection of indoor air quality, it is not considered likely that significant concentrations of these parameters would exist in soil gas beneath the Site. Based on CRA's soil gas sampling experience, the levels of 1,1-DCE and VC historically detected in groundwater generally do not result in soil gas concentrations that would be greater than the Site-specific soil gas criteria developed for these parameters. This is because the partially saturated capillary fringe immediately above the water table can act as a significant buffer to the volatilization of VOCs from shallow groundwater to soil gas, and results in actual soil gas concentrations that are considerably less than those determined using the theoretical calculations applied in the development of the Site-specific soil gas criteria.

TABLE A.1

HISTORICAL ANALYTICAL RESULTS SUMMARY
SVE SYSTEM VAPOR SAMPLES
SYNTHETIC PRODUCTS COMPANY
STRATFORD, CONNECTICUT

Sample Location	*Date Sampled*	*Benzene*	*Toluene*	*Ethylbenzene*	*M&P Xylene*	*O-Xylene*	*Heptane*
SVE-1	5/20/99	16	2.7	0.83U	0.83U	0.83U	0.83U
	12/7/99	0.05U	0.39	0.063	0.15	0.028J	1.3
	3/7/00	0.05U	1.3B	0.1	0.128	0.023J	0.58
	6/7/00	0.032B	0.069	0.002J	0.005J	0.001J	0.005U
	9/12/00	0.079B	0.058	0.0077	0.033	0.010	0.62E
	12/20/00	0.034B	0.018	0.002J	0.0066	0.0022	0.02
	3/29/01	0.0084U	0.027	0.0011J	0.006	0.0017J	0.014
	6/25/01	0.01U	0.035	0.005U	0.0064	0.0017J	0.013
	6/27/01	*0.01U*	*0.04*	*0.005U*	*0.0045J*	*0.005U*	*0.047*
	9/11/01	0.028U	0.14	0.0012J	0.0052	0.005U	0.032
	12/27/01	0.007J	0.046	0.004J	0.010J	0.003J	0.010U
	3/4/02	0.010U	0.020	0.010U	0.010U	0.010U	0.055
	6/14/02	0.010U	0.069	0.013	0.050	0.015	0.010U
SVE-2	5/20/99	10	1.1	0.5U	0.5U	0.5U	0.5U
	12/7/99	0.051	0.47	0.016J	0.045J	0.05U	1.1
	3/7/00	0.058B	1B	0.2	0.41	0.084	0.1
	6/7/00	0.009U	0.1	0.002J	0.006	0.001J	0.015
	9/12/00	0.0069B	0.031	0.0053	0.017	0.0061	0.039
	12/20/00	0.0065B	0.027	0.001J	0.0029	0.0010	0.024
	3/29/01	0.0085U	0.012	0.001J	0.002J	0.001J	0.010
	6/25/01	0.0064U	0.021	0.005U	0.005U	0.005U	0.005U
	6/27/01	*0.0054U*	*0.031*	*0.005U*	*0.0035J*	*0.005U*	*0.024*
	9/11/01	0.034U	0.13	0.005U	0.0056	0.005U	0.005U
	12/27/01	0.006J	0.014	0.010U	0.010U	0.010U	0.010U
	3/4/02	0.010U	0.015	0.010U	0.010U	0.010U	0.021
	6/14/02	0.010U	0.058	0.005J	0.017	0.004J	0.010U
SVE-3	5/20/99	28	240	10U	10U	10U	820
	12/7/99	10U	88	10U	10U	10U	520
	3/7/00	22B	290B	5U	5U	5U	240
	6/7/00	0.1U	3.2	0.1U	0.1U	0.1U	5.2
	9/12/00	0.445B	3.7	0.25U	0.25U	0.25U	28E
	12/20/00	0.168JB	0.96	0.2U	0.2U	0.2U	13
	3/29/01	0.042U	0.065	0.05U	0.05U	0.05U	0.05U
	6/25/01	0.0068U	0.0278	0.0056U	0.0056U	0.0056U	0.2778
	6/27/01	*0.0047UJ*	*0.023*	*0.005U*	*0.0032J*	*0.005U*	*0.095*
	9/11/01	0.005UR	1.2J	0.005UR	0.005UR	0.005UR	0.005UR
	12/27/01	0.020U	0.056	0.020U	0.020U	0.020U	4.800
	3/4/02	0.020U	0.058J	0.020U	0.020U	0.020U	0.640J
	6/14/02	0.010U	0.079	0.006J	0.022	0.006J	0.010U

Notes:

All results presented in milligrams per cubic meter (mg/m^3).

U - Non-detect at associated value.
B - Compound also detected in method blank.
J - The associated value is an estimated quantity.
E - Result is estimated due to concentration exceeding the range of instrument linearity.
R - Data unusable based on data quality assessment and validation.

June 27, 2001 results are at completion of 48-hour SVE system shut-down test.

TABLE A.2

HISTORICAL GROUNDWATER ANALYTICAL RESULTS SUMMARY
SYNTHETIC PRODUCTS COMPANY
STRATFORD, CONNECTICUT

Monitoring Well ID	*Date Sampled*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*Heptane*
CTDEM Industrial/Commercial Volatilization Criteria for Ground Water		*530*	*50,000*	*50,000*	*50,000*	*NV*
CRA2S-95	6/1/95	46	ND (7.1)	ND (7.1)	ND (7.1)	NA
	9/13/95	ND (83)	ND (83)	ND (83)	ND (83)	NA
	8/17/99	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	11/16/99	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	3/16/00	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	6/8/00	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	9/12/00	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	12/19/00	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (5.0)
	3/28/01	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (5.0)
	6/27/01	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (5.0)
	9/26/01	ND (1.0J)	ND (1.0J)	ND (1.0J)	ND (1.0J)	ND (5.0J)
	3/12/02	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
CRA2D-95	6/1/95	ND (83)	ND (83)	ND (83)	ND (83)	NA
	9/13/95	ND (83)	ND (83)	ND (83)	ND (83)	NA
	8/17/99	ND (20)	ND (20)	ND (20)	ND (20)	ND (100)
	11/16/99	ND (20)	ND (20)	ND (20)	ND (20)	ND (100)
	3/16/00	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	6/8/00	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	9/12/00	ND (1.0J)	ND (1.0J)	ND (1.0J)	ND (1.0J)	ND (5.0J)
	12/19/00	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)	ND (25)
	3/28/01	ND (10)	ND (10)	ND (10)	ND (50)	ND (50)
	6/27/01	ND (20)	ND (20)	ND (20)	ND (100)	ND (100)
	9/26/01	0.88J	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	3/12/02	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
CRA4S-95	6/14/95	620	2,900	ND (120)	ND (120)	NA
	9/13/95	1,000	3,200	ND (100)	ND (100)	NA
	8/17/99	628	ND (10)	ND (10)	ND (10)	ND (50)
	11/16/99	464	7.4	ND (5.0)	ND (5.0)	ND (25)
	3/16/00	220	2.6	ND (1.0)	ND (1.0)	ND (1.0)
	6/8/00	904	10.0	ND (5.0)	ND (5.0)	ND (25)
	9/12/00	738	7.4	ND (5.0)	ND (5.0)	ND (25)
	12/19/00	770	ND (2.5)	ND (2.5)	ND (12)	ND (12)
	3/28/01	331	30.6	1.0	ND (5.0)	ND (5.0)
	6/27/01	127	5.9	ND (5.0)	ND (25)	ND (25)
	9/26/01	445	35.3	1.3	1.6	ND (5.0)
	3/12/02	758	7.1	ND (5.0)	ND (5.0)	ND (250)
CRA4D-95	6/14/95	47/63	140/190	ND (33)/ND (25)	ND (33)/ND (25)	NA
	9/13/95	ND (120)	ND (120)	ND (120)	ND (120)	NA
	8/17/99	20.0	ND (10)	ND (10)	ND (10)	ND (50)
	11/16/99	ND (10)	ND (10)	ND (10)	ND (10)	ND (50)
	3/16/00	ND (10)	ND (10)	ND (10)	ND (10)	ND (50)
	6/8/00	19.9	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
	9/12/00	15.5J	ND (1.0J)	ND (1.0J)	ND (1.0J)	ND (5.0J)
	12/19/00	5.1	ND (1.0)	ND (1.0)	ND (5.0)	ND (5.0)
	3/28/01	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)	ND (25)
	6/27/01	ND (10)	ND (10)	ND (10)	ND (50)	ND (50)
	9/26/01	164	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	3/12/02	2.2	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)

TABLE A.2

HISTORICAL GROUNDWATER ANALYTICAL RESULTS SUMMARY
SYNTHETIC PRODUCTS COMPANY
STRATFORD, CONNECTICUT

Monitoring Well ID	*Date Sampled*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*Heptane*
CTDEM Industrial/Commercial Volatilization Criteria for Ground Water		*530*	*50,000*	*50,000*	*50,000*	*NV*
CRA5S-95	6/14/95	9,900	6,200	ND (500)	ND (500)	NA
	9/14/95	16,000/14,000	11,000/9,400	ND (500)/ND (500)	ND (500)/ND (500)	NA
	8/17/99	16,000	ND (50)	ND (50)	ND (50)	ND (250)
	11/16/99	10,500	ND (50)	ND (50)	ND (50)	ND (250)
	3/16/00	3,230	ND (20)	ND (20)	ND (20)	ND (100)
	6/8/00	2,310J	ND (10)	ND (10)	ND (10)	ND (50)
	9/12/00	7,580	ND (20)	ND (20)	ND (20)	ND (100)
	12/19/00	9,460	ND (50)	ND (50)	ND (250)	ND (250)
	3/28/01	6,290	ND (50)	ND (50)	ND (250)	ND (250)
	6/27/01	7,240	ND (50)	ND (50)	ND (250)	ND (250)
	9/26/01	5,680	ND (50)	ND (50)	ND (50)	ND (250)
	3/12/02	4,350J	ND (5.0)	3.0J	ND (5.0)	ND (25)
CRA5D-95	6/14/95	1,200	480	ND (42)	ND (42)	NA
	9/15/95	320	ND (12)	ND (12)	ND (12)	NA
	8/17/99	152	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	11/16/99	70.2	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	3/16/00	8.5	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	6/8/00	155	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	9/12/00	166	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	12/19/00	8.6	ND (1.0)	ND (1.0)	ND (5.0)	ND (5.0)
	3/28/01	177	ND (1.0)	ND (1.0)	ND (5.0)	ND (5.0)
	6/27/01	223	ND (1.0)	ND (1.0)	ND (5.0)	ND (5.0)
	9/26/01	132	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
	3/12/02	40.1	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
CRA6S-95	6/14/95	15,000	ND(830)	ND (830)	ND (830)	NA
	9/14/95	16,000/17,000	ND (620/ND (620)	ND (620)/ND (620)	ND (620)/ND (620)	NA
	8/17/99	19,400/15,500	ND (100)/ND (100)	ND (100)/ND (100)	ND (100)/ND (100)	ND (100)/ND (100)
	11/16/99	12,400/22,600	ND (50)/17.6	ND (50)/13.2	ND (50)/11.3	ND (250)/ND (5.0)
	3/16/00	2,520/2,510	14.4/12.7	ND (10)/ND (10)	ND (10)/ND (10)	ND (50)/ND (50)
	6/8/00	13,330/12,500	ND (100)/ND (100)	ND (100)/ND (100)	ND (100)/ND (100)	ND (100)/ND (100)
	9/12/00	12,100/12,200	ND (50)/ND (50)	ND (50)/ND (50)	ND (50)/ND (50)	ND (250)/ND (250)
	12/19/00	10,400/11,400	ND (50)/ND (50)	ND (50)/ND (50)	ND (250)/ND (250)	ND (250)/ND (250)
	3/28/01	8,800/8,210	ND (50)/ND (25)	ND (50)/ND (25)	ND (250)/ND (120)	ND (250)/ND (120)
	6/27/01	10,600/8,860	ND (100)/ND (50)	ND (100)/ND (50)	ND (500)/ND (250)	ND (500)/ND (250)
	9/26/01	4,390/5,790	ND (25)/ND (25)	8.1J/9.6J	ND (25)/ND (25)	ND (120)/ND (120)
	3/12/02	4,750/4,530	ND (20)/ND (20)	ND (20)/ND (20)	ND (20)/ND (20)	ND (100)/ND (100)
CRA6D-95	6/14/95	3,600/3,800	990/1,100	ND (100)/ND (120)	ND (100)/ND (120)	NA
	9/14/95	7,100	ND (250)	ND (250)	ND (250)	NA
	8/17/99	3,680	ND (10)	ND (10)	ND (10)	ND (250)
	11/16/99	7,860	ND (50)	ND (50)	ND (50)	ND (50)
	3/16/00	1,770	ND (10)	ND (10)	ND (10)	ND (250)
	6/8/00	8,830	ND (50)	ND (50)	ND (50)	ND (50)
	9/12/00	9,530	ND (25)	ND (25)	ND (25)	ND (120)
	12/19/00	1,220J	ND (5.0)	ND (5.0)	ND (25)	ND (25)
	3/28/01	775	ND (5.0)	5.7	ND (25)	ND (25)
	6/27/01	2,570	ND (20)	ND (20)	ND (100)	ND (100)
	9/26/01	6,990	ND (50)	ND (50)	ND (50)	ND (250)
	3/12/02	1,670	ND (10)	ND (10)	ND (10)	ND (50)

Notes:

Concentrations in micrograms per liter (µg/L)

ND ( )	Not detected at reporting limit stated in parentheses.
NA	Not Analyzed.
J	Indicates an estimated value.
4,390/5,790	Sample result/duplicate sample result.
NV	No Volatilization Criteria for Groundwater reported.
[ ]	Detected concentration exceeds Industrial/Commercial Volatilization Criteria for Groundwater.

TABLE A.3

SITE-SPECIFIC SOIL GAS AND GROUNDWATER CRITERIA BASED ON PROTECTION OF INDOOR AIR QUALITY
SYNTHETIC PRODUCTS COMPANY
STRATFORD, CONNECTICUT

Compound of Concern (COC)	Chemical Properties (1): Henry's Law Constant, H_L (atm m³/mol)	Chemical Properties (1): Water Diffusion Coefficient, D^{H2O} (cm²/s)	Chemical Properties (1): Air Diffusion Coefficient, D^{air} (cm²/s)	Johnson & Ettinger Attenuation Factor, α (2)	CTDEM Industrial/Commercial Target Indoor Air Concentration, C_{air} (3) (µg/m³)	Calculated Site-Specific Soil Gas Criteria, C_{sg} (4) (µg/m³)	Theoretical Groundwater Concentration, C'_{gw} Based on Henry's Law (5) (µg/L)	Calculated Site-Specific Groundwater Criteria, C_{gw} (Adjusted for Actual Non-Equilibrium Conditions) (6) (µg/L)
Compounds Detected in SVE System								
Benzene	0.0044 (20° C)	9.80E-06 (25° C)	0.0858 (20° C)	5.737E-05	21.5	374,784	2,041.6	20,416
Toluene	0.0051 (20° C)	8.60E-06 (25° C)	0.0848 (20° C)	5.683E-05	584	10,275,910	48,349.7	483,497
Ethylbenzene	0.0059 (20° C)	7.80E-06 (25° C)	0.0731 (20° C)	5.031E-05	1,460	29,021,347	118,226.8	1,182,268
m-Xylene	0.0055 (20° C)	7.80E-06 (25° C)	0.0682 (25° C)	4.749E-05	438	9,223,377	40,451.9	404,519
o-Xylene	0.0039 (20° C)	1.00E-05 (25° C)	0.0848 (25° C)	5.684E-05	438	7,705,443	47,912.7	479,127
p-Xylene	0.0054 (20° C)	8.44E-06 (25° C)	0.0750 (25° C)	5.137E-05	438	8,526,978	37,935.8	379,358
Heptane	2.0600 (20° C)	7.59E-06 (25° C)	0.0647 (20° C)	4.511E-05	7,300	161,834,900	1,888.9	18,889
Compounds Historically Detected Above CTDEM Volatilization Criteria for Groundwater								
1,1-Dichloroethene	0.0218 (20° C)	1.04E-05 (25° C)	0.0877 (20° C)	5.839E-05	0.0818	1,401	1.5	15
Vinyl Chloride	0.0235 (20° C)	1.23E-05 (25° C)	0.1033 (20° C)	6.647E-05	0.0487	733	0.7	7.5

Notes:

(1) The applied chemical properties are obtained from the chemical properties database implemented in USEPA (2000), with the exception of heptane where the applied chemical properties were obtained from Gustafson et al. (1997). The Henry's Law constant and air diffusion coefficient were corrected for an average vadose zone temperature of 20°C. The reference temperature for the water diffusion coefficient is 25°C and, considering its low value, a correction to 20°C was considered negligible.

(2) The soil gas attenuation factor α is based on the solution for soil gas migration to building indoor air presented in Johnson and Ettinger (1991; Equation (21)), the vadose zone and building properties listed below, and a 4 Pa pressure difference between the vadose zone and the building (ΔP) as applied by USEPA (2000). The calculation of the soil gas attenuation factor was conducted using the Excel spreadsheet "GW-ADV.xls" developed by USEPA (2000) and the following Site-specific vadose zone and building properties.

Vadose Zone Soil Properties:

Moisture Content, θ_m (%)	8.00	Applied to reflect conservative moisture content levels expected within the sand and gravel deposit comprising the vadose zone.
Total Porosity, ϵ_T (%)	0.3	Conservatively assumed porosity value considered representative of the sand and gravel deposit comprising the vadose zone.
Dry Bulk Soil Density, ρ_{db} (g/cm³)	1.852	Calculated based on $\rho_{db}=(1-\epsilon_T)*G_s*\rho_W$, where a specific gravity G_s value of 2.65 is assumed and a water density ρ_W of 998.2 kg/m³ at 20°C is applied
Hydraulic Conductivity, K (cm/s)	1.52E-02	Geometric mean of hydraulic conductivity values determined from single-well response tests conducted with the sand and gravel deposit.
Intrinsic Permeability, k_i (cm²)	1.56E-07	Intrinsic permeability, $k=K\,\mu_W / \rho_W g$, where water density ρ_W=998.2 kg/m³ at 20°C, gravitational acceleration g=9.81 m/s², and the dynamic viscosity of water μ_W=1.002e-3 kg/ms at 20°C (Freeze and Cherry, 1979).
Relative Vapor Permeability, k_r (cm²)	0.53	Estimated after Parker et al. (1987) for a sand soil type as implemented in USEPA (2000) to account for the reduction in permeability due to the degree of vadose zone water saturation.
Effective Vapor Permeability, k_v (cm²)	8.22E-08	Determined from $k_v=k_r*k_i$.
Vadose Zone Temperature (°C)	20	Average groundwater temperature measured during monitoring well purging for the September 26, 2001 groundwater sampling event.
Distance from Source to Building, L_T (m)	1.83	Based on the average depth to groundwater of 6.0 feet measured at shallow Site monitoring wells during the September 26, 2001 groundwater sampling event.
Vapor Viscosity of Air, μ_a at 10°C (g/cm s)	1.78E-04	Vadose zone temperature corrected vapor viscosity as implemented in USEPA (2000).

Building Properties:

Below-Grade Area of Building Surfaces, A_B (m²)	794	Based on the area of the existing Site building of approximately 162 feet by 51 feet with a slab-on-grade thickness of 8 inches.
Building Volume, V_B (m³)	5,324	Based on the area of the existing Site building of approximately 162 feet by 51 feet with an approximate ceiling height of 22 feet.
Building Air Exchange Rate, T_{air} (1/hr)	0.83	Industrial indoor air exchange rate after ASTM (1995).
Ratio of Crack Area to Below-Grade Area, η (%)	0.1	Assumed based on 1 mm wide cracks at a spacing 1 m along the building floor and walls as applied in the example by Johnson and Ettinger (1991).
Foundation Thickness, L_{crack} (cm)	20	Assumed based on a 20 cm (8 inch) floor slab thickness.

(3) CTDEM Industrial/Commercial Target Indoor Air Concentration reported in the State of Connecticut Regulation of Department of Environmental Protection concerning Remediation Standard; 22a-133k-3: Ground-Water Remediation Standards, with the exception of heptane. The target indoor air concentration for heptane is determined as presented in Section 4.0. The target indoor air concentration for m-, o-, and p-xylenes is based on total xylenes.

(4) The Site-specific soil gas criteria beneath the existing Site building is calculated from $C_{sg}=C_{air} / \alpha$.

(5) The theoretical groundwater concentration determined from the soil gas concentration assuming equilibrium conditions and Henry's Law; $C'_{gw}=C_{sg}*(T*R)/H$ where T is the vadose temperature in degrees Kelvin and the universal gas constant R is 8.206E-05 atm m³/mol K.

(6) The Site-specific groundwater criteria is determined from C'_{gw}/d where the source dilution factor d=0.1 relating the theoretical groundwater concentration calculated from Henry's Law to the actual groundwater concentration that would exist under more realistic non-equilibrium conditions as applied by MDEP (1994).

APPENDIX T

PHOTOGRAPHIC RECORD OF CLOSURE ACTIVITIES

PHOTOGRAPHIC LOG OF CLOSURE-RELATED ACTIVITIES

FORMER SYNTHETIC PRODUCTS COMPANY
375 BARNUM AVENUE CUT-OFF
STRATFORD, CONNECTICUT

1. Primary CSA - prior to second round sampling - facing north
2. Primary CSA - prior to third round sampling - facing west
3. Primary CSA - prior to fourth (final) round sampling - facing west
4. Secondary CSA after removal of roof, fence, and asphalt
5. Area II lateral excavation - facing southeast
6. Front Room - 3,000 gallon intermediate storage tank for organic hazardous waste - after power washing
7. Front Room - 300 gallon reaction water storage tank after power washing
8. Front Room former 300 and 3,000 gallon tank locations
9. Front Room excavation of former boiler location prior to second round of sampling - facing northeast
10. Front Room excavation prior to second round of sampling - facing southeast
11. Front Room excavation - facing west
12. Front Room installation of SVE system - facing west
13. 5,000 gallon organic hazardous waste storage tank before power washing
14. 5,000 gallon organic hazardous waste storage tank after power washing
15. Back Room sampling locations - facing south
16. Back Room excavation
17. Off-site shipment of 5,000 gallon organic waste storage tank.
18. Off-site shipment of 5,000 gallon reaction water storage tank.
19. Off-site shipment of 3,000 gallon intermediate organic hazardous waste storage tank.
20. Off-site shipment of 300 gallon reaction water storage tank.

1. Primary CSA - prior to second round sampling - facing north

2. Primary CSA - prior to third round sampling - facing west

3. Primary CSA - prior to fourth (final) round sampling - facing west

4. Secondary CSA after removal of roof, fence, and asphalt

5. Area II lateral excavation - facing southeast

6. Front Room - 3,000 gallon intermediate storage tank for organic hazardous waste - after power washing

7. Front Room - 300 gallon reaction water storage tank after power washing

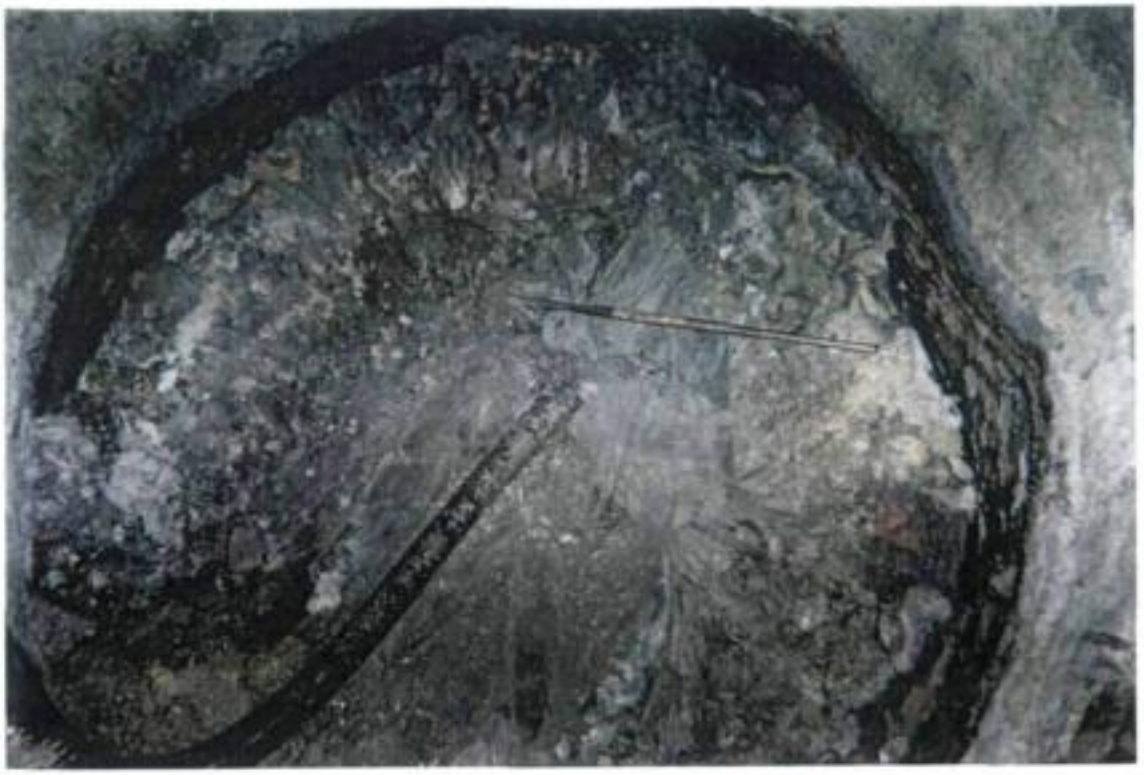
8. Front Room former 300 and 3,000 gallon tank locations

9. Front Room excavation of former boiler location prior to second round of sampling - facing northeast

10. Front Room excavation prior to second round of sampling - facing southeast

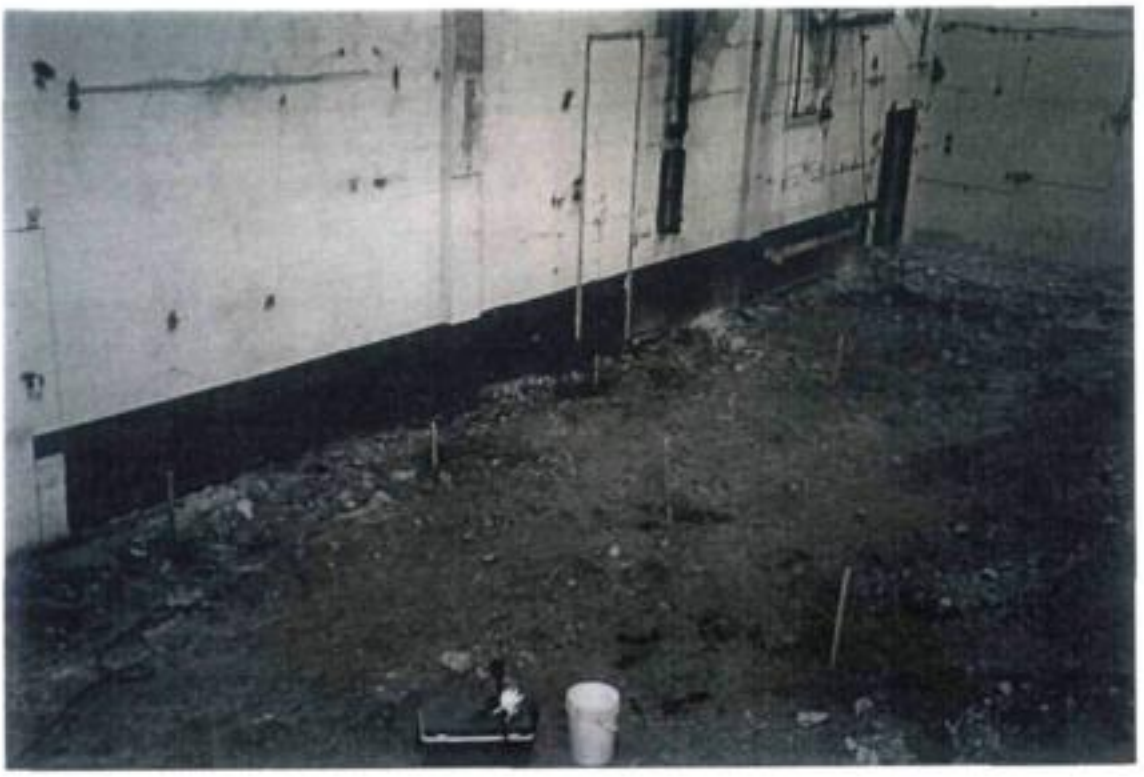
11. Front Room excavation - facing west

12. Front Room installation of SVE system - facing west



13. 5,000 gallon organic hazardous waste storage tank before power washing

14. 5,000 gallon organic hazardous waste storage tank after power washing



15. Back Room sampling locations - facing south

16. Back Room excavation

17. Off-site shipment of 5,000 gallon organic waste storage tank

18. Off-site shipment of 5,000 gallon reaction water storage tank

19. Off-site shipment of 3,000 gallon intermediate organic hazardous waste storage tank

20. Off-site shipment of 300 gallon reaction water storage tank

APPENDIX U

TANK RECYCLING DOCUMENTATION

Lloyd Terminals, Inc.

LLOYD TERMINALS, INC.
MARINE TERMINAL
PORT OF NEW HAVEN
34-40 LLOYD STREET
NEW HAVEN, CT 06513
(203)562-4424

№ 8348LT

TIME	WEIGHT
	ID 1 SCALE 1
	GROSS 45120 LB STORED
	09/17/97 03:40 PM
	ID 1 SCALE 1
	GROSS 45120 LB RECALLED
	TARE 42340 LB
	NET 2780 LB
	09/17/97 03:48 PM

GROSS
TARE
NET

TICKET # _____

P.O. # _____ VEHICLE # ETI

SUPPLIER CODE KC Metals

SUPPLIER NAME -SUD Steel

COMMODITY Tank PRICE _____

DESCRIPTION _____

TOTAL _____ DATE 9/17

VEHICLE OWNER ASSUMES RESONSIBILITY FOR ANY DAMAGE TO VEHICLE BY CRANE.

WEIGHMASTER	MAN ON	MAN OFF
Dave		

THIS IS TO CERTIFY THAT I DELIVERED THE ABOVE MATERIAL FOR THE ABOVE NAMED SUPPLIER, who is the owner of this material. This will also certify that I, on behalf of the above named supplier, am familiar with Lloyd's list of unacceptable/prohibited materials, and that the above load does not contain any unacceptable/prohibited materials, including any Class I (chlorofluorocarbons) or Class II (hydrochlorofluorocarbons) refrigerants (FREON), which under Federal Clean Air Act, must be reclaimed, not vented.

SIGNED: X _____
Agent or Representative of Supplier

WEIGHMASTER CERTIFICATE

Lloyd Terminals, Inc.

LLOYD TERMINALS, INC.
MARINE TERMINAL
PORT OF NEW HAVEN
34-40 LLOYD STREET
NEW HAVEN, CT 06513
(203)562-4424

№ 8387LT

TIME	WEIGHT
	ID 6 SCALE 1
	GROSS 47520 LB STORED
	09/18/97 11:18 AM
	ID 6 SCALE 1
	GROSS 47520 LB RECALLED
	TARE 42440 LB
	NET 5080 LB
	09/18/97 11:27 AM

GROSS
TARE
NET

TICKET #

I.D. #

VEHICLE # 677

SUPPLIER CODE

SUPPLIER NAME

COMMODITY UP/SS

PRICE Ø

DESCRIPTION - SUV & Steel

TOTAL

DATE 9/18

VEHICLE OWNER ASSUMES RESONSIBILITY FOR ANY DAMAGE TO VEHICLE BY CRANE.

WEIGHMASTER	MAN ON	MAN OFF
M		

THIS IS TO CERTIFY THAT I DELIVERED THE ABOVE MATERIAL FOR THE ABOVE NAMED SUPPLIER, who is the owner of this material. This will also certify that I, on behalf of the above named supplier, am familiar with Lloyd's list of unacceptable/prohibited materials, and that the above load does not contain any unacceptable/prohibited materials, including any Class I (chlorofluorocarbons) or Class II (hydrochlorofluorocarbons) refrigerants (FREON), which under Federal Clean Air Act, must be reclaimed, not vented.

SIGNED: X

Agent or Representative of Supplier

WEIGHMASTER CERTIFICATE

EARTH TECHNOLOGY INC.
Site & Environmental Services

Storage Tank Removal Certification

This document shall serve as a formal certification, verifying proper tank cleaning procedures and tank transfer of ownership to Earth Technology.

Earth Technology removed (1) 300 gallon steel tank, (1) 3,000 steel tank, and (2) 5,000 gallon steel tanks from 375 Barnum Avenue, Stratford, CT. Upon removal from the project site, Earth Technology, Inc. accepted ownership of the tanks. Disposal of all tanks was at H. Bixon & Sons located at 808 Washington Avenue in New Haven, CT.

Chris Pickman

Authorized Signature

250 Sackett Point Road • North Haven, CT 06473 • 203/230-2040 Office • 203/230-0302 Fax

APPENDIX V

JANUARY 27, 1999 AUTHORIZATION APPLICATION FOR DISPOSAL OF SPECIAL WASTE (INCLUDING ASBESTOS) FORM AND CT-DEP'S MARCH 3, 1999 SPECIAL WASTE DISPOSAL AUTHORIZATION APPROVAL LETTER

970099

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Permit Processing Unit
79 Elm Street
Hartford, CT 06106-5127

Permit Application Transmittal Form

Please complete this transmittal form in accordance with the instructions in order to ensure the proper handling of your application(s) and the associated fee(s): Print legibly or type.

DEP USE ONLY:
Document No.
Rec'd CPPU
Rec'd Program

Part I: Applicant Information

Applicant: EARTH TECHNOLOGY, INC.
Company Name or, if applicant is an individual, write name in the following format:
Title (Mr, Ms, Dr) First Name Middle Initial Last Name Suffix (Jr, PE, PhD)

Mailing Address: 8th LEONARDO DR.

City/Town: NORTH HAVEN State: CT Zip Code: 06473

Phone: (203) 230-2040 ext.: Fax: (203) 230-0302

Contact Person: CHRIS DICKMAN Phone: ( ) ext.:

☐ Check if any co-applicants. If so, attach additional sheet(s) with the required information as supplied above.

Applicant is a(n) (check one): ☐ individual ☒ company ☐ federal ☐ state ☐ municipal

If a Company, list company type (e.g., corporation, limited partnership, etc.) CORPORATION

Applicant Billing Address: SAME AS ABOVE

City/Town: State: Zip Code:

Billing Contact Name: Phone: ( ) ext.:

Part II: Project Information

Brief Project Description: EXCAVATION OF POLLUTED FILL ENCOUNTERED DURING RE-CONSTRUCTION OF A CONCRETE FLOOR. SOIL IS POLLUTED W/TPH

Location (City/Town): STRATFORD, CT

Other Project Permits (*not* included with this form):

Permit Description	Issuing Authority	Submittal Date	Issuance Date	Denial Date	Permit #

Part III: Individual Permit Application and Fee Information

N, M, R	Individual Permit Applications	Initial Fees	No.of Apps.	Total Initial Fees	Original + Required Copies
	AIR EMISSIONS				
	New Source Review	$500.00			1 + 0
	Title V Operating Permits	none			1 + 0
	WATER DISCHARGES				
	To Groundwater	$700.00			1 + 2
	To Surface Water (NPDES)	$700.00			1 + 2
	To Sanitary Sewer (POTW)	$700.00			1 + 1
	INLAND WATER RESOURCES				
	Inland Wetlands and Watercourses	none			1 + 5
	Stream Channel Encroachment Lines	★			
	Inland 401 Water Quality Certification	none			
	Water Diversion	★			1 + 7
	Dam Construction	none			1 + 2
	Flood Management Certification	none			1 + 1
	OFFICE OF LONG ISLAND SOUND PROGRAMS				
	Structures and Dredging / Marine Mining / Tidal Wetlands	$350.00			1 + 7
	Coastal 401 Water Quality Certification	none			1 + 7
	Certificate of Permission	$200.00			1 + 2
	WASTE MANAGEMENT				
	Waste Transportation	★			1 + 0
	Solid Waste Facilities	★			1 + 2
	RCRA Closure Plan	$2500.00			1 + 0
	RCRA Post Closure	$2500.00			1 + 0
	Section 22a-454 CGS Waste Facilities	★			1 + 1
	Hazardous Waste Treatment, Storage and Disposal Facilities	★			1 + 1
	Aquatic Pesticide Application	$ 25.00			1 + 0
	Aerial Pesticide Application	★			1 + 2
	Marine Terminal License	$125.00			1 + 0
		Subtotal →	0	0.00	
	GENERAL PERMITS and AUTHORIZATIONS Enter totals from Part IV, page 3 of this form →		1	350.00	
	TOTAL →		1	$350.00	
	☐ Indicate whether municipal discount or state waiver applies. Less Applicable Discount →				
	AMOUNT REMITTED →			$350.00	
	Check # →				

★ See fee schedule on individual application.

Part IV: General Permit Registrations and Requests for Other Authorizations Application and Fee Information

✓	General Permits and Other Authorizations	Initial Fees	# of Apps.	Total Initial Fees	Original + Required Copies
	AIR EMISSIONS				
	Emergency Authorization	★★			1 + 0
	Temporary Authorization	★★			1 + 0
	WATER DISCHARGES				
	Car Wash Wastewater	$437.50			1 + 0
	Domestic Sewage	$250.00			1 + 0
	Food Processing Wastewater	$250.00			1 + 0
	Groundwater Remediation Wastewater to a Sanitary Sewer	$250.00			1 + 0
	Hydrostatic Pressure Testing (Natural Gas Pipelines)	$500.00			1 + 1
	Hydrostatic Pressure Testing	$250.00			1 + 0
	Minor Non-Contact Cooling Water	$500.00			1 + 1
	Minor Photographic Processing	$ 50.00			1 + 0
	Minor Printing & Publishing Wastewater	$250.00			1 + 0
	Minor Tumbling or Cleaning of Parts Wastewater	$500.00			1 + 1
	Stormwater Associated with Commercial Activities	$250.00			1 + 0
	Stormwater Associated with Industrial Activities	$250.00			1 + 0
	Stormwater & Dewatering Wastewaters-Construction Activities	$250.00			1 + 0
	Vehicle Service Floor Drain Wastewater	$ 50.00			1 + 0
	Water Treatment Wastewater	$250.00			1 + 0
	Emergency Authorization - Discharge to POTW	$250.00			1 + 0
	Emergency Authorization - Discharge to Surface Water	$500.00			1 + 0
	Temporary Authorization - Discharge to POTW	$250.00			1 + 0
	Temporary Authorization - Discharge to Surface Water	$500.00			1 + 0
	INLAND WATER RESOURCES				
	Emergency Authorization	★★			★★
	Temporary Authorization	★★			★★
	OFFICE OF LONG ISLAND SOUND PROGRAMS				
	Emergency Authorization	★★			1 + 0
	Temporary Authorization	★★			1 + 0
	WASTE MANAGEMENT				
	Asbestos Disposal Authorization	$160.00			1 + 0
	Drop-site Recycling Facility	$100.00			1 + 0
	Limited Processing Recycling Facility	$250.00			1 + 0
	Recyclables Transfer Facility	$250.00			1 + 0
	Single Item Recycling Facility	$250.00			1 + 0
	Special Waste Authorization	$350.00	1	350.00	1 + 0
	Emergency Authorization	★★			
	Temporary Authorization	★★			
	New Unlisted General Permit				
	Note: Carry totals over to Part III, page 2 of this form.	TOTAL →	1	350.00	

★★ Contact the specific permit program for this information

Authorization Application for Disposal of Special Waste (Including Asbestos)

Please complete this form in accordance with Section 22a-209-8 RCSA and the instructions (DEP-WEED-INST-200) in order to ensure the proper handling of your application.
Print or type unless otherwise noted.

DEP USE ONLY
Application No. _____
Reviewer _____

Part I: Application Type

This application is for (check one) :

☒ A new authorization

☐ A modification of an existing authorization

If an authorization to dispose of this waste was issued previously, provide:

1. most recent authorization number: _____

2. expiration date: _____

Part II: Authorization Type and Fee Information

Authorization Type (check one)	Initial Fee (submit with application)
☐ Asbestos Disposal Authorization	$160.00
Special Waste Disposal Authorization:	
☒ Landfill Disposal	$350.00
☐ Resources Recovery Facility (RRF) Disposal	$350.00

Part III: Applicant Information

Fill in the applicant's name and phone number as indicated on the *Permit Application Transmittal Form* (DEP-APP-001).

1. Applicant: EARTH TECHNOLOGY, INC Phone: (203) 230-2040

2. Co-applicant/Generator: _____ Phone: ( )

Part III: Applicant Information (continued)

3. List primary contact for departmental correspondence and inquiries, if different than the applicant.

Name: _____

Mailing Address: _____

City/Town: _____ State: _____ Zip Code: _____

Business Phone: ( ) _____ ext. _____ Fax: ( ) _____

Contact Person: _____ Title: _____

4. List attorney or other representative, if applicable.

Firm Name: _____

Mailing Address: _____

City/Town: _____ State: _____ Zip Code: _____

Business Phone: ( ) _____ ext. _____ Fax: ( ) _____

Attorney Name: _____ Title: _____

5. List the owner of the site and facility name (if applicable) where the waste was generated.

Owner: SYNTHETIC PRODUCTS

Facility Name (generator): 375 BARNUM AVE. CUTOFF

Mailing Address: _____

City/Town: STRATFORD State: CT Zip Code: _____

Business Phone: (203) 386-1090 ext. _____ Fax: ( ) _____

Contact Person: JAMIE KALANTA Title: _____

6. List the transporter retained to transport the waste.

Name: EARTH TECHNOLOGY, INC.

Mailing Address: 86 LEONARDO DR.

City/Town: NORTH HAVEN State: CT Zip Code: 06473

Business Phone: 203 230-2040 ext. _____ Fax: (203) 230-0302

Contact Person: CHRIS DICKMAN Title: _____

7. List the site of the disposal facility retained to dispose of the waste.

Name: BRANFORD MUNICIPAL LANDFILL

Mailing Address: TABOR DR

City/Town: BRANFORD State: CT Zip Code: _____

Business Phone: (203) 488-8394 ext. _____ Fax: ( ) _____

Contact Person: PEG HALL Title: _____

Part III: Applicant Information (continued)

8. List any engineer(s) or other consultant(s) employed or retained to assist in preparing the application or to assist in the disposal of the waste. Please enter a check mark if additional sheets are necessary, and label and attach them to this sheet. ☐

Name: _____

Mailing Address: _____

City/Town: _____ State: _____ Zip Code: _____

Business Phone: ( ) _____ ext. _____ Fax: ( ) _____

Contact Person: _____ Title: _____

Part IV: Site Information

1. Location of source of wastes:

Street Address or Description of Location: 375 BARNUM AVE. CUTOFF

City/Town: STRATFORD State: CT Zip Code: _____

Current location of wastes:

Street Address or Description of Location: _____

City/Town: _____ State: _____ Zip Code: _____

2. Is the waste stored outside? ☒ Yes ☐ No If yes, describe containment:

SOIL IS STOCKPILED ON POLY & COVERED W/ POLY

3. Is the special waste generated a result of a remediation project? ☐ Yes ☒ No
If yes, complete questions 3a through 3d.

a. Identify any federal, state or local agencies working at the site.

Agency/Bureau/Division: _____

Contact: _____ Business Phone: ( ) _____

b. If this waste was generated due to a request from an agency, identify the agency.

Agency/Bureau/Division: _____

Contact: _____ Business Phone: ( ) _____

Part IV: Site Information (continued)

c. List any enforcement actions requiring the clean-up of this site.

d. Ground water classification of the site: GB

Part V: Activity Information

Section I: Complete this section for *Asbestos Waste Disposal Only*

1. Type of asbestos to be disposed:

2. Quantity of waste (i.e., cubic yards, etc.):

Section II: Complete this section for *Special Waste (excluding Asbestos) Disposal* at both landfills and resources recovery facilities

1. Type of waste (e.g., contaminated soil, casting, slag, sludge, etc.):

   CONTAMINATED SOIL

2. Identify the source of contamination (i.e. underground tank removal, above ground tank removal, manufacturing processes, water or sewage treatment process, spill, etc.):

   POLLUTED FILL ENCOUNTERED DURING RE-CONSTRUCTION OF CONCRETE FLOOR.

3. Identify the quantity of waste (i.e., tons, tons/year):

   600 TONS.

Part V: Activity Information (continued)

Section II: Complete this section for *Special Waste (excluding Asbestos) Disposal* at both landfills and resources recovery facilities (continued)

4. Provide a detailed description of waste:

SOIL EXCAVATED DURING RE-CONSTRUCTION OF CONCRETE FLOORS INSIDE THE BUILDING. THE MATERIAL WAS NOT NEEDED ON SITE & IS CONSIDERED POLLUTED DUE TO LEVELS OF TPH & METALS. THE SOURCE OF CONTAMINATION HAS NOT BEEN IDENTIFIED, BUT IT IS SUSPECTED THAT HISTORIC LEAKS OF PROCESS EQUIPMENT SEEPED THROUGH CRACKS IN THE ORIGINAL FLOOR.

5. Identify the waste constituents and the approximate percentages of the waste constituents that are greater than 5% (by weight or volume) of the total waste (e.g., % plastics, % water, % paper, etc.):

SOIL	85 - 95	%
WATER	5 - 15	%
CONCRETE	0 - 10	%

6. Has a hazardous waste determination been conducted? ☒ Yes ☐ No

If yes, describe analyses: TCLP METALS, VOLATICES, FLASH, PCB'S REACTIVITY, TPH & PH

If analyses were not conducted, describe the methodology used to demonstrate that the material is or is not a hazardous waste:

Part V: Activity Information (continued)

Section II: Complete this section for *Special Waste (excluding Asbestos) Disposal* at both landfills and resources recovery facilities (continued)

7. Check appropriate box for disposal frequency:

   ☒ One time disposal ☐ Yearly disposal

   If yearly, identify frequency (e.g., weekly, bi-monthly, yearly): _____

8. Does the generator of the special waste require the submission of a Form R pursuant to Section 313 of the Emergency Planning and Community Right-to-Know Act (Title III of the Superfund Amendments Reauthorization Act of 1986)? ☐ Yes ☒ No

Section III: Complete this section for disposal at a *Resources Recovery Facility only*

This section must be completed by the Resources Recovery Facility which has agreed to accept your waste.

1. Disposal Feed Rate (i.e., lbs/hr, tons/hr, tons/day, etc.):

   a. Special waste feed rate: _____

   b. Special and municipal waste feed rate: _____

2. Describe how the special waste will be mixed with the normal municipal waste stream to achieve the desired feed rate and/or mixture ratio identified above (include any incremental steps or special procedures to achieve this rate):

   _____

3. Describe any anticipated effects that incineration of the special waste/municipal waste mixture may cause to the following and include how any effects shall be minimized:

   a. the incinerator combustion chamber; _____

   b. the air pollution control equipment; _____

Part V: Activity Information (continued)

Section III: Complete this section for disposal at a *Resources Recovery Facility only* (continued)

This section must be completed by the Resources Recovery Facility which has agreed to accept your waste.

3. c. the air stack emissions to the atmosphere (both criteria and non-criteria pollutants);

_____

_____

_____

4. Identify anticipated date for receipt of special waste by the RRF: ___/___/___

5. Identify requested date for incineration of special waste: ___/___/___

6. a. Air Management Bureau Permit No(s): _____

   b. Waste Management Bureau Permit No(s): _____

7. Will the ash be tested to determine if it's RCRA hazardous during special waste incineration?
   ☐ Yes ☐ No

8. How does the special/municipal waste feed mixture ratio relate to the permitted allowable municipal waste stream?

_____

_____

_____

_____

Part VI: Supporting Documents

Be sure to read the instructions (DEP-WEED-INST-200) to determine whether the Attachments listed are applicable to your specific activity. Please enter a check mark by the attachments as verification that *all applicable* attachments have been submitted with this permit application form. When submitting any supporting documents, please label the documents as indicated in this part (e.g., Attachment A, etc.) and be sure to include the applicant's name as indicated on the *Permit Application Transmittal Form*.

☒ Attachment A: *A Checklist of Chemical Analyses and/or Generator's Knowledge of Special Waste for Landfill Disposal* (DEP-WEED-APP-201) Include copies of all chemical analyses of the special waste.

☐ Attachment B: *A Checklist of Chemical Analyses and/or Generator's Knowledge of Special Waste for Disposal at a Resources Recovery Facility* (DEP-WEED-APP-202). Include copies of all chemical analyses of the special waste.

Part VII: Application Certifications

The applicant(s) *and* the individual(s) responsible for actually preparing the application must sign this part. An application will be considered insufficient unless *all* required signatures are provided.

I hereby certify, under penalty of law, that the results submitted with this application for all sampling and testing were performed in accordance with the "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods", EPA Publication SW-846, as amended or other test methods approved by DEP prior to disposal. In addition, the wastes that are the subject of this application are *not* hazardous as defined in the Regulations of Connecticut State Agencies (RCSA) Section 22a-449 and 40 CFR Subpart 261.

I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute.

Christopher Dickman	January 27, 1999
Signature of Applicant	Date
CHRISTOPHER DICKMAN	PROJECT MANAGER
Name of Applicant (print or type)	Title (if applicable)
Signature of Co-applicant/Generator	Date
Name of Co-applicant/Generator (print or type)	Title (if applicable)
Christopher Dickman	January 27, 1999
Signature of Preparer	Date
CHRISTOPHER DICKMAN	PROJECT MANAGER
Name of Preparer (print or type)	Title (if applicable)

☐ Please enter a check mark if additional signatures are necessary. If so, please reproduce this sheet and attach signed copies to this sheet.

Note: Please submit the Permit Application Transmittal Form, Registration Form, Fee and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

In the instance where the applicant is the Resources Recovery Facility (RRF) and the co-applicant is the generator, the generator must send the fee and partically completed application to the RRF. The RRF must then send the completed application and fee to DEP at the above address.

Attachment A: A Checklist of Chemical Analyses and/or Generators Knowledge of Special Waste Disposal at a Landfill.

Applicant Name (as indicated on the *Permit Application Transmittal Form*):

_____

This attachment must be submitted with the *Authorization Application for Disposal of Special Waste (including Asbestos)* (DEP-WEED-APP-200) when proposing to dispose of special waste at a landfill.

Submit documentation or copies of lab results with this form.

Instructions: Mark an "X" in one or more boxes indicating the analyses performed to determine whether the waste is suitable for disposal at a landfill. Submit copies of laboratory results with this form. You must mark at least one box.

- ☐ Material Safety Data Sheet (MSDS)
- ☐ Paint Filter Test (EPA Method 9095)
- ☒ Ignitability (40 CFR Sec. 261.21)
- ☒ Corrosivity (40 CFR Sec. 261.22)
- ☒ Reactivity (40 CFR Sec. 261.23)
- ☒ Toxicity Characteristic (40 CFR Sec. 261.24)
- ☒ Oil & Grease (TPH)
- ☐ Gas Chromatography
- ☒ PCB (Polychlorinated biphenyl - EPA Method 8080)
- ☐ EPA Method: 8010 Halogenated Volatiles Organics
- ☐ EPA Method: 8015 Nonhalogenated Volatiles Organics
- ☐ EPA Method: 8020 Aromatic Volatile Organics
- ☒ Analysis equivalent to identify the contaminate or constituent

EPA METHOD 8260
(Identify the equivalent analytical method(s))

COMPLETE ENVIRONMENTAL TESTING, INC.

911 Bridgeport Avenue
900 Shelton Plaza
Shelton, CT 06484

Tel: (203) 925-1135
Fax: (203) 925-1140
e-mail: comenvtsl@aol.com

January 26, 1999

Mr. Chris Dickman
Earth Technology, Inc.
86 Leonardo Drive
North Haven, CT 06473

RE: Analysis of 1 soil sample collected 1/14/99.
PROJECT: 970099, SPC
CET #: 99-300

Total Metals:	970099-01
Pb	43
Cd	3.6
Cr	9.0
As	5.0
Se	ND<1.0
Hg	1.4
Ba	48
Ag	ND<2.0
TCLP Metals:	
Pb	0.054
Cd	0.124
Cr	ND<0.05
As	ND<0.05
Se	ND<0.01
Hg	ND<0.002
Ba	0.82
Ag	ND<0.02
Flashpoint	None Observed*
pH	9.14
PCB Content	ND<0.50
Reactive Cyanide	ND<5.0
Reactive Sulfide	ND<20
TPH (418.1)	420

Results are in ppm.
* - Sample heated to 250°F

In addition, the sample was analyzed per EPA method 8260. The results are on the following pages in ppb.

Please call us if you have any questions.

David Ditta
Laboratory Director

CONNECTICUT LABORATORY CERTIFICATION PH 0116
MASSACHUSETTS LABORATORY CERTIFICATION M-CT903
RHODE ISLAND LABORATORY CERTIFICATION 199

COMPLETE ENVIRONMENTAL TESTING, INC.

911 Bridgeport Avenue
900 Shelton Plaza
Shelton, CT 06484

Tel: (203) 925-1133
Fax: (203) 925-1140
e-mail: comenvtst@aol.com

January 19, 1999

Mr. Chris Dickman
Earth Technology, Inc.
86 Leonardo Drive
North Haven, CT 06473

RE: Analysis of 1 soil sample collected 1/14/99.
PROJECT: [redacted], SPC
CET #: 99-300

Total Metals:	970099-01
Pb	43
Cd	3.6
Cr	9.0
As	5.0
Se	ND<1.0
Hg	1.4
Ba	48
Ag	ND<2.0
Flashpoint	None Observed*
pH	9.14
PCB Content	ND<0.50
Reactive Cyanide	ND<5.0
Reactive Sulfide	ND<20
TPH (418.1)	420

Results are in ppm.

* - Sample heated to 250°F

In addition, the sample was analyzed per EPA method 8260. The results are on the following pages in ppb.

Please call us if you have any questions.

David Ditta
Laboratory Director

EPA METHOD 8260
VOLATILE ORGANICS BY GC/MS

CLIENT: Earth Technology, Inc.
PROJECT #: 970099
CET #: 99-300

MATRIX: soil
UNITS: ppb
DATE ANALYZED: 1/15/99

	970099-01	DETECTION LIMIT
BENZENE	12	5.0
BROMOBENZENE	ND	10.0
BROMOCHLOROMETHANE	ND	5.0
BROMODICHLOROMETHANE	ND	5.0
BROMOFORM	ND	10.0
BROMOMETHANE	ND	25.0
n-BUTYLBENZENE	ND	5.0
sec-BUTYLBENZENE	ND	5.0
tert-BUTYLBENZENE	ND	5.0
CARBON TETRACHLORIDE	ND	5.0
CHLOROBENZENE	ND	5.0
CHLOROETHANE	ND	25.0
CHLOROFORM	ND	5.0
CHLOROMETHANE	ND	25.0
2-CHLOROTOLUENE	ND	5.0
4-CHLOROTOLUENE	ND	5.0
DIBROMOCHLOROMETHANE	ND	5.0
1,2-DIBROMO-3-CHLOROPROPANE	ND	10.0
1,2-DIBROMOETHANE	ND	5.0
DIBROMOMETHANE	ND	10.0
1,2-DICHLOROBENZENE	ND	5.0
1,3-DICHLOROBENZENE	ND	5.0
1,4-DICHLOROBENZENE	ND	5.0
DICHLORODIFLUOROMETHANE	ND	25.0
1,1-DICHLOROETHANE	ND	5.0
1,2-DICHLOROETHANE	ND	5.0
1,1-DICHLOROETHYLENE	ND	5.0
cis-1,2-DICHLOROETHENE	ND	5.0
trans-1,2-DICHLOROETHENE	ND	5.0
1,2-DICHLOROPROPANE	ND	5.0

EPA METHOD 8260
VOLATILE ORGANICS BY GC/MS

CLIENT: Earth Technology, Inc.
PROJECT #: 970099
CET #: 99-300

MATRIX: soil
UNITS: ppb
DATE ANALYZED: 1/15/99

	970099-01	DETECTION LIMIT
1,3-DICHLOROPROPANE	ND	5.0
2,2-DICHLOROPROPANE	ND	5.0
1,1-DICHLOROPROPENE	ND	5.0
cis-1,3-DICHLOROPROPENE	ND	5.0
trans-1,3-DICHLOROPROPENE	ND	5.0
ETHYL BENZENE	ND	5.0
HEXACHLOROBUTADIENE	ND	5.0
ISOPROPYLBENZENE	51	5.0
4-ISOPROPYLTOLUENE	ND	5.0
METHYLENE CHLORIDE	ND	5.0
NAPHTHALENE	6.5	5.0
n-PROPYLBENZENE	ND	5.0
STYRENE	ND	5.0
1,1,1,2-TETRACHLOROETHANE	ND	5.0
1,1,2,2-TETRACHLOROETHANE	ND	5.0
TETRACHLOROETHYLENE	ND	5.0
TOLUENE	120	5.0
1,2,3-TRICHLOROBENZENE	ND	5.0
1,2,4-TRICHLOROBENZENE	ND	5.0
1,1,1-TRICHLOROETHANE	ND	5.0
1,1,2-TRICHLOROETHANE	ND	5.0
TRICHLOROETHYLENE	ND	5.0
TRICHLOROFLUOROMETHANE	ND	5.0
1,2,3-TRICHLOROPROPANE	ND	5.0
1,2,4-TRIMETHYLBENZENE	6.7	5.0
1,3,5-TRIMETHYLBENZENE	8.9	5.0
VINYL CHLORIDE	ND	5.0
o-XYLENE	ND	5.0
m+p-XYLENES	10	5.0
MTBE	ND	10

300

COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY

911 Bridgeport Avenue
900 Shelton Plaza
Shelton, CT 06484
Tel (203) 925-1133
FAX (203) 925-1140

COMPANY NAME AND ADDRESS
EARTH TECHNOLOGY, INC.
96 LEGHMOOR DR.
NORTH HAVEN, CT

REPORT TO:	PROJECT #:	PROJECT LOCATION:	PURCHASE ORDER #:	SAMPLED BY:
CHRIS D.	970099	SPC		

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Chris D.	1/14	8:45	[illegible]	1/14	8:45
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME

ANALYSIS REQUIRED

SAMPLE #	SAMPLE LOCATION	DATE	TIME	SAMPLE MATRIX	PRIORITY YES / NO	# OF CONTAINERS	TPH	TOTAL P METALS	VOCS 8260	PCB'S	REACTIVITY	PH	FLASH
970099-01	SOIL PILE	1-14-98		SOIL	YES	3	✓	✓	✓	✓	✓	✓	✓

SPECIAL INSTRUCTIONS

COMMENTS ASAP

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

March 3,1999

Mr. Chris Dickman
Earth Technology, Inc.
86 Leonardo Drive
North Haven, CT 06473

Ms. Peg Hall, 1st Selectman's Office
Town Hall
1019 Main Street
P.O. Box 150
Branford, CT 06405

Re: Special Waste Disposal Authorization (one-time)
Contaminated soil (heavy metals, total petroleum, and volatile organics)/900 tons

Dear Mr. Dickman:

The Waste Management Bureau has determined that the above referenced material, Application No. 199900437, is authorized, pursuant to Section 22a-209-8 of the Regulations of Connecticut State Agencies (RCSA), for disposal at the Branford Municipal Landfill, subject to the following conditions:

1. Soil shall not contain any free draining liquids; and

2. As suitable, soil may be utilized as daily cover material at the landfill.

This authorization is based upon the DEP's review of the sample(s) and chemical analyses submitted for soil located at Synthetic Products on 375 Barnum Ave. cut off in Stratford, CT.

Permission to dispose of this material must also be obtained from the Town of Branford. Please contact the disposal facility identified above for information concerning the proper disposal procedures.

It is the responsibility of the property owner/waste generator to make a hazardous waste determination for all wastes generated prior to disposal. This is a one-time authorization for disposal of this material. Any future disposal requests must be submitted to this office for review.

This approval is contingent upon the Town of Branford's continued compliance with all permits relating to the Branford Municipal Landfill and all applicable state and federal regulatory requirements.

Please contact Patricia Cam at (860) 424-3567 if you have any questions.

Sincerely,

Arthur J. Rocque, Jr.
Commissioner

AJR/plc/msk

APPENDIX W

BILLS OF LADING/WEIGHT TICKET SUMMARY FOR SOIL DISPOSAL

795

50

VALLEY SAND & GRAVEL

OFFICE (203) 467-6328
PLANT (203) 562-3192

TICKET NO.	TIME	DATE	TRUCK #	TRUCKER NAME
000055159	10:25	12/31/98	115	ETI HAMDEN #15

SOLD TO:	CUSTOMER #	P.O. #
WEIGHT ONLY	WEI01	

PRODUCT #	PRODUCT DESCRIPTION
00000	UNKNOWN

GROSS: 83000 lb Outbound Scale 01

TARE: 28200 lb Stored

NET: 54800 lb

TONS: 27.4000 tn

NET (KG): 24852

METRIC TNS: 24.86

MATERIAL COST:

DELIVERY CHARGE:

SALES TAX:

VALUE:

Remarks:

RECEIVED BY

IN CONSIDERATION OF YOUR MAKING DELIVERY OFF THE HIGHWAY, I AGREE TO ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE RESULTING THEREFROM.

of his/her knowl-
does not accept
d with the proper

any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

For Shipper: James Kalanta — PRINT NAME — James Kalanta — SIGNATURE — 12/31/98 — DATE

For Transporter: Roger Sherman — PRINT NAME — Roger Sherman — SIGNATURE — 12/31/98 — DATE

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

Site & Environmental Services

BILL OF LADING

No. 6795

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: CT-J 14060 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	12/31/98
For Transporter:	Roger Sherman	[illegible]	12/31/98

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

WEIGHT	DATE	TIME
G 69860 lb	12-31-98	12:11 PM
T 24780		
N 45 080	22.54 Ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78690

CARRIER ETI

TRUCK NO. 16

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☐

Phone: (203) 230-2040

Commodity: SOIL

Further Description:

Transporter Vehicle Reg. No.: V 20614 Gallons:

Description of Service:

Fee for Service:

Designated Facility Name and Site Address:

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	12/31/98
For Transporter:	Michael Clore	M M C	12-31-98

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6794

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: V20614 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	12/31/98
For Transporter:	Michael Clore	M Clore	12-31-98

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

WEIGHT	DATE	TIME
G 73860 lb	12-31-98	02:44 PM
T 24780		
N 49080	24.54 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78687

CARRIER: S T I

TRUCK NO.: 16

TRAILER NO.:

DRIVERS SIGN.:

WEIGH MASTER SIGN: BC

MATERIAL:

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

WEIGHT	DATE	TIME
G 80740 lb	12-31-98	04:45 PM
T 24780		
N 55580	27.79 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78670

CARRIER: E T I

TRUCK NO.: 16

TRAILER NO.: TD1

DRIVERS SIGN.: Mike

WEIGH MASTER SIGN: JDM

MATERIAL:

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6791

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: V 20614 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	12/31/98
For Transporter:	Michael Close	M A C	12-31-98

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6792

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: V 20614 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	12/31/98
For Transporter:	Michael Close	M Close	12-31-98

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
G	75780 lb	12-31-98	02:43 PM
T	27980		
N	47800	23.90 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78688

CARRIER STI

TRUCK NO. 15

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN BC

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

	WEIGHT	DATE	TIME
G	71500 lb	12-31-98	04:43 PM
T	27980		
N	43520	21.76 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78671

CARRIER ETT

TRUCK NO. 15

TRAILER NO.

DRIVERS SIGN. Roger

WEIGH MASTER SIGN Voth

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6816

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: CT 514060 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James Kalanta	12/31/98
For Transporter:	Roger Sherman	[illegible]	12/31/98

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6790

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: CT 514060 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

For Shipper: James Kalanta (PRINT NAME) James J Kalanta (SIGNATURE) 12/31/98 (DATE)

For Transporter: Roger Sherman (PRINT NAME) Roger Sherman (SIGNATURE) 12/31/98 (DATE)

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
G	74480 lb	12-31-99	12:17 PM
T	27980		
N	46500	23.25	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78689

CARRIER STI

TRUCK NO. 15

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN DC

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

	WEIGHT	DATE	TIME
G	72100 lb	01-04-99	09:44 AM
T	27980		
N	44120	22.06 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 7820(

CARRIER

TRUCK NO.

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN B

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☐

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6793

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No. CT 514060 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	12/31/98
For Transporter:	Roger Sherman	[illegible]	12/31/98

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6815

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: CT 314060 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	1/4/99
For Transporter:	Roger Sherman	[illegible]	1/4/99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
G	79320 lb	01-04-98	02:51 PM
T	27980		
N	51340	25.67	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78674

CARRIER ETI

TRUCK NO. 15

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN TC

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☑

	WEIGHT	DATE	TIME
G	75720 lb	01-04-98	05:26 PM
T	27980 lb	01-04-98	06:55 AM
N	47740	23.87 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78672

CARRIER ETI

TRUCK NO. 15

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN STE

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☑

EARTH TECHNOLOGY INC.
Site & Environmental Services

No. 6796

BILL OF LADING

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: CT 14060 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her k edge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

For Shipper: James Kalanta (PRINT NAME) James Kalanta (SIGNATURE) 1/4/99 (DATE)

For Transporter: Roger Sherman (PRINT NAME) [signature] (SIGNATURE) 1/4/99 (DATE)

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6798

Data Sheet No. _____

IPPER/GENERATOR

me/Company: SYNTHETIC PRODUCTS INC

e/Street Address: 375 BARNUM AVENUE CUT OFF

ty, State, Zip: STRATFORD CT 06497 Phone: _____

ailing Address: SAME

ontact Person: JAMIE KALANTA Phone: 377-5550

RANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

hone: (203) 230-2040

ommodity: SOIL

urther Description: _____

Transporter Vehicle Reg. No.: CT 14060 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	1/4/99
For Transporter:	Roger Sherman	[illegible]	1/4/99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
G	76660 lb	01-05-98	03:37 PM
T	27980		
N	48680	24.34 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78103

CARRIER FEI

TRUCK NO. 15

TRAILER NO.

DRIVERS SIGN. Roger

WEIGH MASTER SIGN

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☑

	WEIGHT	DATE	TIME
G	75000 lb	01-05-98	11:17 AM
T	27980		
N	47020	23.51 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78681

CARRIER STI

TRUCK NO. 15

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☑

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6808

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: _____ Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	1/5/99
For Transporter:	Roger Sherman	[illegible]	1/5/99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6807

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: _____ Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	1/5/99
For Transporter:	Roger Sherman	[illegible]	1/5/99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
G	67700 lb	01-05-98	01:17 PM
T	27980		
N	39720	19.86 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78685

CARRIER: E F I

TRUCK NO.: 15

TRAILER NO.:

DRIVERS SIGN.:

WEIGH MASTER SIGN: BC

MATERIAL:

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

	WEIGHT	DATE	TIME
G	66100 lb	01-05-98	06:05 PM
T	27980		
N	38200	19.10 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78106

CARRIER: E F I

TRUCK NO.: 15

TRAILER NO.:

DRIVERS SIGN.:

WEIGH MASTER SIGN:

MATERIAL:

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6806

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: _____ Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	1/5/99
For Transporter:	Roger Sherman	[illegible]	1/5/99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6809

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: CTJ 14060 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James Kalanta	1/8/99
For Transporter:	Roger Sherman	[illegible]	1/5/99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
G	76120 lb	01-05-98	08:25 AM
T	27980		
N	48140	24.07	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78678

CARRIER ETI

TRUCK NO. 15

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN BC

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

	WEIGHT	DATE	TIME
G	70760 lb	01-07-98	04:30 PM
T	27980		
N	42780	21.34 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78125

CARRIER ETI

TRUCK NO. 15

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6801

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: CT J14060 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J. Kalanta	1/5/99
For Transporter:	Roger Sherman	[illegible]	1/5/99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6759

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: CT 14060 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	FRANK McKANE	[signature]	1/7/99
For Transporter:	Roger Sherman	[signature]	1/7/99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
	78140 lb	01-07-98	12:33 PM
T	27980		
N	50160	25.08 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78118

CARRIER ETI

TRUCK NO. 11

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN B

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

	WEIGHT	DATE	TIME
G	[illegible] lb lb	01-07-98 [illegible] PM	
T	27980		
N	50600	25.30 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 82503

CARRIER ETI

TRUCK NO. 15

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN BC

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☑

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6760

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: CT 14060 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	FRANK McKANE	[signature]	1/7/99
For Transporter:	Roger Sherman	[signature]	1/7/99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6761

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: CT 14060 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	FRANK McKANE	[signature]	1/7/99
For Transporter:	Roger Sherman	[signature]	1/7/99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
G	78420 lb	01-07-98	02:49 PM
T	27980		
N	50440	25.22 ton	

WEIGH TICKET

TICKET NUMBER 78122

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

CARRIER ETI

TRUCK NO. 15

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN BC

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

	WEIGHT	DATE	TIME
G	69180 lb	01-05-98	08:09 AM
T	24860 lb	01-06-98	02:10 PM
N	44320	22.16 ton	

WEIGH TICKET

TICKET NUMBER 78677

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

CARRIER ETI

TRUCK NO. 11

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN BC

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☐

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6765

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: CT 14060 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	FRANK McKAVE	P.W. McKave	1/7/99
For Transporter:	Roger Sherman	[illegible]	1/7/99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6802

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: H56515 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James Kalanta	1-5-99
For Transporter:	Andy Anderson	[signature]	1-5-99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
G	[illegible] lb	01-04-98	04:51 PM
T	24840 lb	01-06-98	02:11 PM
N	48360	24.18 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78676

CARRIER STI

TRUCK NO. 11

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☑

	WEIGHT	DATE	TIME
G	76660 lb	01-05-98	09:50 AM
T	24860 lb	01-06-98	02:10 PM
N	51800	25.90 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 7867

CARRIER STI

TRUCK NO. 11

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☑

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6805

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: H 56515 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	1-5-99
For Transporter:	Andy Andersen	[signature]	1-5-99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6803

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: H 56515 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	1-5-99
For Transporter:	Andy Anderson	[signature]	1-5-99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
G	76120 lb	01-05-98	11:35 AM
T	24760 lb	01-06-98	02:10 PM
N	51360	25.68 ton	

WEIGH TICKET

TICKET NUMBER 78682

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

CARRIER STI

TRUCK NO. 11

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN BC

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

	WEIGHT	DATE	TIME
G	73580 lb	01-05-98	01:58 PM
T	24860 lb	01-06-98	02:10 PM
N	53700	26.86 ton	

WEIGH TICKET

TICKET NUMBER 78101

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

CARRIER STI

TRUCK NO. 11

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN BC

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6804

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: H56515 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	1-5-99
For Transporter:	Andy Andersen	[illegible]	1-5-99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6799

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: H 56515 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	1-4-99
For Transporter:	Andy Andersen	[illegible]	1-4-99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
G	73940 lb	01-05-98	04:07 PM
T	24840 lb	01-06-98	02:10 PM
N	48100	24.05 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78105

CARRIER EFI

TRUCK NO. 11

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

	WEIGHT	DATE	TIME
G	73540 lb	01-07-98	04:17 PM
T	24760		
N	49080	24.54 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78124

CARRIER EFI

TRUCK NO. 11

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6800

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: H56515 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	1-4-99
For Transporter:	Albert Andersen	[signature]	1-4-99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6753

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: H56515 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	FRANK McKANE	[signature]	1-7-99
For Transporter:	Andy Andersen	[signature]	1-7-99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
G	67220 lb	01-07-98	01:43 PM
T	24760		
N	42460	21.23 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78119

CARRIER ETI

TRUCK NO. 11

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN BC

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

	WEIGHT	DATE	TIME
G	76040 lb	01-07-98	12:03 PM
T	24760		
N	51280	25.64 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 7811

CARRIER ETI

TRUCK NO. 11

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN BC

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6754

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: H 5 65 15 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	FRANK McKANE	[signature]	1-7-99
For Transporter:	Andy Andersen	[signature]	1-7-99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6755

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No. H56515 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	FRANK McKANE	[signature]	1-7-99
For Transporter:	Andy Andersen	[signature]	1-7-99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
G	74060 lb	01-07-98	10:04 AM
T	24760		
N	49300	24.65 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78116

CARRIER STI

TRUCK NO. 11

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN BC

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

	WEIGHT	DATE	TIME
G	67660 lb	01-06-98	03:26 PM
T	24760		
N	42900	21.45 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78114

CARRIER S.T.I.

TRUCK NO. 11

TRAILER NO.

DRIVERS SIGN

WEIGH MASTER SIGN BC

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6766

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: H56515 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	FRANK McKane	[signature]	1-7-99
For Transporter:	Andy Anderson	[signature]	1-7-99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6767

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: _____ Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	FRANK McKANE	[signature]	1-6-99
For Transporter:	Andy Andersen	[signature]	1-6-99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
G	64900 lb	01-06-98	12:44 PM
T	24880 lb	01-06-98	02:09 PM
N	40020	20.01 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78111

CARRIER ETI

TRUCK NO. 11

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN BC

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☑

	WEIGHT	DATE	TIME
G	69860 lb	01-07-98	07:39 AM
T	24760		
N	45100	22.56	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78115

CARRIER ETI

TRUCK NO. 11

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☑

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6768

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: HS 6515 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	FRANK McKANE	F.W. McKane	1-6-99
For Transporter:	Andy Andersen	[illegible]	1-6-99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6813

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: H56515 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J. Kalanta	1-7-99
For Transporter:	Andy Anderson	[illegible]	1-7-99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
G	63000 lb	01-06-98	08:51 AM
T	24840 lb	01-06-98	02:09 PM
N	38160	19.08 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78107

CARRIER: STI

TRUCK NO.: 11

TRAILER NO.:

DRIVERS SIGN.:

WEIGH MASTER SIGN: BC

MATERIAL:

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

	WEIGHT	DATE	TIME
G	68500 lb	01-06-98	10:44 AM
T	27980		
N	40520	20.26 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78108

CARRIER: STI

TRUCK NO.: 15

TRAILER NO.:

DRIVERS SIGN.:

WEIGH MASTER SIGN: BC

MATERIAL:

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6769

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: H56515 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	FRANK McKANE	[signature]	1-6-99
For Transporter:	Andy Anderson	[signature]	1-6-99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6770

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: CT 14060 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

For Shipper: FRANK McKANE (PRINT NAME) [signature] (SIGNATURE) 1-6-99 (DATE)

For Transporter: Andy Anderson (PRINT NAME) [signature] (SIGNATURE) 1 6 99 (DATE)

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
G	73140 lb	01-04-98	02:52 PM
T	24860 lb	01-06-98	02:11 PM
N	48300	24.15 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78675

CARRIER: FTI

TRUCK NO.: 11

TRAILER NO.:

DRIVERS SIGN.:

WEIGH MASTER SIGN: BC

MATERIAL:

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☑

	WEIGHT	DATE	TIME
G	79640 lb ID	01-07-98	10:59 AM
T	27480		
N	43160	21.58	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 82504

CARRIER: ETI

TRUCK NO.: 17

TRAILER NO.:

DRIVERS SIGN.:

WEIGH MASTER SIGN: BC

MATERIAL:

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☑

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6814

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: H 56515 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	1-5-99
For Transporter:	Cindy Anderson	[illegible]	1-5-99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6756

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: J 36785 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	FRANK McKANE	[signature]	
For Transporter:	Wm JOHNSON III	[signature]	1-7-98

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
G	72520 lb	01-07-98	03:31 PM
T	27480		
N	45040	22.52 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78123

CARRIER ETI

TRUCK NO. 17

TRAILER NO.

DRIVERS SIGN. Cecky

WEIGH MASTER SIGN

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

	WEIGHT	DATE	TIME
G	75560 lb ID	0 01-08-98	10:36 AM
T	27480		
N	48080	24.04 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 82506

CARRIER ETI

TRUCK NO. 17

~~TRAILER NO.~~ I 36785

DRIVERS SIGN.

WEIGH MASTER SIGN

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6757

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: J 36705 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	FRANK McKAVE	[signature]	
For Transporter:	WM JOHNSON III	[signature]	1-7-98

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6764

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: J 36785 #17 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	FRANK McKANE	F.W. McKane	
For Transporter:	WM JOHNSON	Wm Johnson	1-8-99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

WEIGHT	DATE	TIME
G 44920 lb	01-08-99	07:27 AM
T 27980		
N 3694	18.47 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78128

CARRIER CIT

TRUCK NO. 15

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN ST

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☑

WEIGHT	DATE	TIME
G 69400 lb	01-08-99	12:40 PM
T 27980		
N 41420	20.71 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78137

CARRIER ZTI

TRUCK NO. 15

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN BC

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☐

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6758

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: _____ Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	FRANK McKANE	[signature]	1/8/99
For Transporter:	Roger Sherman	[signature]	1/8/99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6762

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: _____ Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	FRANK McKUVE	F.W. McKuve	1/8/99
For Transporter:	Wayne Sherman	[illegible]	1/8/99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
G	72880 lb	01-04-98	11:28 AM
T	27480		
N	44900	22.45 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78199

CARRIER STI

TRUCK NO. 15

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN BC

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☐

	WEIGHT	DATE	TIME
G	73300 lb	01-08-98	07:12 AM
T	27480		
N	46300	23.16 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78127

CARRIER STI

TRUCK NO. 17

~~TRAILER NO.~~ J36785

DRIVERS SIGN.

WEIGH MASTER SIGN

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☑

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6797

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: CT 14060 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	1/8/99
For Transporter:	Roger Sherman	[illegible]	1/8/99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6464

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: J 36785 #15 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

For Shipper: _____ _____ _____

PRINT NAME SIGNATURE DATE

For Transporter: Wm Johnson Wm Johnson 1-8-99

PRINT NAME SIGNATURE DATE

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
G	95440 lb	01-05-98	01:25 PM
T	24780		
N	70680	35.34	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78686

CARRIER: S I I

TRUCK NO.: 16

TRAILER NO.:

DRIVERS SIGN.:

WEIGH MASTER SIGN: [illegible]

MATERIAL:

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

	WEIGHT	DATE	TIME
G	93500 lb	01-05-98	03:47 PM
T	24780		
N	69000	34.51 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78104

CARRIER: E E T

TRUCK NO.: 11

TRAILER NO.: 5011

DRIVERS SIGN.: [illegible]

WEIGH MASTER SIGN: [illegible]

MATERIAL:

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6812

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: V 20614 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	1-5-98
For Transporter:	Michael Clore	M U C	1-5-98

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6811

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: V 20614 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	1-5-98
For Transporter:	Michael Clare	M M C	1-5-98

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

WEIGHT	DATE	TIME
G 92700 lb	01-05-98	11:07 AM
T 24780		
N 67920	33.96	

MATERIAL

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78680

CARRIER STI

TRUCK NO. 16

TRAILER NO.

DRIVERS SIGN.

WEIGH MASTER SIGN BC

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☐

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6810

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: V 20614 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	James Kalanta	James J Kalanta	1-5-98
For Transporter:	Michael Cha	M M Cha	1-5-98

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

	WEIGHT	DATE	TIME
G	74720 lb	01-08-98	12:42 PM
T	27480		
N	47240	23.62 ton	

WEIGH TICKET

NEW HAVEN TERMINAL, INC.
100 WATERFRONT ST.
NEW HAVEN, CONN.

TICKET NUMBER 78136

CARRIER STI

TRUCK NO. 17

~~TRAILER NO.~~ 36785

DRIVERS SIGN.

WEIGH MASTER SIGN BC

MATERIAL

INBOUND ☐ OUTBOUND ☐ IN PLANT ☐ PUBLIC SCALING ☒

EARTH TECHNOLOGY INC.
Site & Environmental Services

BILL OF LADING

No. 6763

Data Sheet No. _____

SHIPPER/GENERATOR

Name/Company: SYNTHETIC PRODUCTS INC

Site/Street Address: 375 BARNUM AVENUE CUT OFF

City, State, Zip: STRATFORD CT 06497 Phone: _____

Mailing Address: SAME

Contact Person: JAMIE KALANTA Phone: 377-5550

TRANSPORTER

Earth Technology Inc., 86 Leonardo Drive, North Haven, CT 06473

Phone: (203) 230-2040

Commodity: SOIL

Further Description: _____

Transporter Vehicle Reg. No.: J 36785 #17 Gallons: _____

Description of Service: _____

Fee for Service: _____

Designated Facility Name and Site Address: _____

SHIPPER CERTIFICATION

Shipper certifies that the waste being offered for transport is as described above, and to the best of his/her knowledge, does not contain any constituents characteristic of a hazardous waste. Earth Technology Inc. does not accept any hazardous waste for disposal, therefore, a shipper is responsible for any and all costs associated with the proper disposal of any waste at an approved facility, that is determined to be hazardous by certified lab analysis.

EMERGENCY CONTACT PERSON:

	PRINT NAME	SIGNATURE	DATE
For Shipper:	FRANK McKANE	[signature]	
For Transporter:	Wm JOHNSON	[signature]	1-8 99

Copy 1 - OWNER Copy 2 - TRANSPORTER Copy 3 - FACILITY

APPENDIX X

RESUMES OF HRP ENGINEERING PERSONNEL

CHRISTOPHER R. SHEPARD

Senior Project Engineer

SUMMARY OF EXPERIENCE

Mr. Shepard is a Senior Project Engineer for HRP Associates, Inc. In this capacity, Mr. Shepard is responsible for the application of state and federal regulations applicable to RCRA-regulated facilities, wastewater permitting, and stormwater permitting. Mr. Shepard also has experience in the following areas:

- Development of closure plans for RCRA regulated storage units;
- Preparation of Spill Prevention Control and Countermeasure (SPCC) plans;
- Preparation of Stormwater Pollution Prevention Plans (SPPP); and
- Supervision of subsurface exploration work such as soil boring and monitoring well installation.

AREAS OF EXPERTISE

Specific Project Examples include the following:

- ***Environmental Compliance Evaluations***

  These projects, completed for U.S. Coast Guard facilities in Massachusetts, Maine, and New Hampshire, consisted of an evaluation of the Coast Guard operations with respect to applicable Federal, state, and local environmental regulations. Findings and recommendations with respect to air, wastewater, and stormwater discharges were included in the project reports. On-site management of hazardous materials, as well as generated wastes (hazardous, non-hazardous, and medical) was also examined.

- ***RCRA Closure/Post-Closure Permit Application***

  This permit application covered three RCRA-regulated units at a Naval facility in Florida. Information presented in the application included a summary of each unit's operating history, waste generation, and environmental setting. The application also included summaries of previous site investigations associated with each unit, as well as closure and post-closure plans required under RCRA regulations.

- ***Pollution Prevention Opportunities Assessments***

  These projects, conducted for two U.S. Navy facilities, entailed the evaluation of on-site painting, parts washing, and sand blasting activities to identify potential pollution prevention options. All identified options were then evaluated technically and economically to determine the most effective alternatives to pursue.

- ***RCRA Compliance Documents, Numerous Facilities***

  These documents, prepared for facilities throughout Connecticut, detail procedures to be followed to maintain compliance with RCRA operational requirements. The prepared reports include facility contingency plans, inspection schedules and logs, and personnel training requirements.

- ***Evaluation of a Formaldehyde - Bearing Wastewater Discharge***

  This project was conducted to determine the effects of a formaldehyde-bearing wastewater discharge on the municipal sanitary sewer system. Project tasks included the collection of wastewater samples and air samples from the sanitary sewer system. All collected data was then correlated to determine the relationship between formaldehyde concentrations in the wastewater and formaldehyde concentrations in the air space of the sewer system.

- ***Stormwater Pollution Prevention Plans (SPPPs), Numerous Sites***

  These plans, written for facilities in both Connecticut and New York, detail potential stormwater pollutant sources and describe measures and controls for minimizing source exposure. Work on these projects has included inventory of potential stormwater pollutant sources, stormwater sampling, semi-annual site compliance inspections and SPPP evaluation/revision. The ultimate goals of the SPPP are to increase employee awareness of sources of stormwater pollution and to increase overall stormwater quality.

- ***Wastewater Discharge Permit Application for a Metal Finishing Facility***

  This project entailed the revision of an individual wastewater discharge permit application. In order to meet Connecticut Department of Environmental Protection requirements, the facility's piping needed to be reconfigured and a treatability study was performed on the facility's raw wastewater to determine the optimum pH for removal of metals from the wastewater.

- ***Closure of a Surface Impoundment under RCRA***

  This project has entailed the development and implementation of a closure plan for a RCRA-Regulated unit. The intent of the plan was to cap two on-site settling lagoons as a RCRA landfill. Work performed on-site included the installation of soil borings to determine the aerial extent of contamination, and the installation of monitoring wells to determine the impact of the lagoons on the ground water underlying the site. Written reports have included summaries of site investigation work, and quarterly and annual ground water monitoring.

- ***Construction Inspection for the Installation of an Air Sparging/Soil Vapor Extraction System***

  This system was installed at a Naval facility to remediate volatile organic contamination in the site soil and ground water. Mr. Shepard's primary responsibility was to ensure installation of the system in accordance with the design plans and specifications. Mr. Shepard was also responsible for submittal review and project coordination.

REGISTRATIONS

1993 Certified Engineer-In-Training

EDUCATION

1993 B.S. Worcester Polytechnic Institute, Civil Engineering

AFFILIATIONS

Associate Member of the American Society of Civil Engineers

MICHAEL D. ERRICKSON

Project Engineer

SUMMARY OF EXPERIENCE

Mr. Errickson is a Project Engineer for HRP Associates, Inc. Mr. Errickson's experience with HRP includes a variety of projects including air emission inventories and permitting, environmental compliance audits, development of pollution prevention plans, and water discharge evaluation and permitting. In addition, Mr. Errickson has experience with Clean Air Act Title V permitting, EPCRA community right-to-know reporting, air emissions modeling, and hazardous waste compliance auditing.

SPECIFIC EXPERTISE

Air Emission Compliance

Mr. Errickson has completed numerous air emission inventories which involved identification, calculation, and discussion of each air emission source in the facility and the regulatory impact of each discharge. These air emission inventories were performed for a number of facilities ranging from manufacturing facilities to hospitals. The results of these inventories have led to the completion of various permit applications for sources such as plating lines, fuel burning units, degreasers, and painting operations. In addition to State of Connecticut permitting requirements, Mr. Errickson has experience with Federal regulatory programs such as CAA Title V General Permit applications, MACT compliance, and Prevention of Accidental Releases (112r) compliance plans. All of the regulatory programs listed above involved extensive negotiation with CT DEP Permitting and Enforcement personnel.

Mr. Errickson has some expertise with respect to particulate emissions from rock crushing and concrete batching facilities. One particular project required particulate emissions modeling based on process parameters observed during site evaluations. Research was done on the composition of particulate emissions from concrete batching and rock crushing operations. Mr. Errickson is co-authoring concrete batching, sand and gravel processing, and rock crushing chapters in the up coming edition of the Air Pollution Engineering Manual published by the Air and Waste Management Association (AWMA).

Pollution Prevention Plans

This work included completion of several pollution prevention plans, including a plan for a naval base. The plan assessed current pollution prevention practices, and presented technically and economically feasible opportunities to reduce the amount of hazardous materials used, and to reduce the amount of solid or hazardous waste generated from each process. The pollution prevention initiatives developed by Mr. Errickson focused on source elimination, material substitution, and recycling. Mr. Errickson evaluated each site, developed pollution prevention initiatives, provided a technical and economical evaluation of each alternative, and made recommendations based on the feasibility of these options.

Water Discharge Compliance

This work includes several components of Connecticut's water discharge permitting program such as discharge sampling, preparation of permit applications and compliance plan development. Mr. Errickson has developed Stormwater Pollution Prevention Plans for several industrial facilities. Multiple tumbling and cleaning operations at a large naval base were investigated by Mr. Errickson for the purpose of permit applicability. An engineering evaluation of each tumbling and cleaning operation, including discharge sampling, was performed as part of the project. Recommendations for discharge permitting or other waste handing procedures were provided.

EPCRA/SARA Right-to Know Compliance

Mr. Errickson has completed several projects concerning EPCRA/SARA Right-to-Know Section 311, 312, and 313 reporting, including the preparation of annual Tier II and Form R reporting for various industrial facilities. The ultimate goal of these projects is to insure a facility's compliance with all current EPCRA regulations and to assist with the filing of appropriate federal and state submissions associated with each set of regulatory guidelines.

RCRA Compliance

This work encompasses a variety of projects ranging from waste determinations to hazardous waste compliance audits to assists facilities with state and federal regulatory requirements. Mr. Errickson has also supervised several RCRA closure projects.

Seminars

Mr. Errickson has conducted informational seminars for numerous industrial and commercial employees pertaining to management and investigation of indoor air quality.

EDUCATION

Syracuse University, B.S. Civil Engineering, 1996
University of New Haven, M.S. Environmental Engineering student, 1998 to present

REGISTRATIONS / AFFILIATIONS

State of New York, Engineer in Training
Member, American Society of Civil Engineers
Member, Connecticut State Implementation Plan Revision Advisory Committee (SIPRAC)

CERTIFICATIONS AND LICENSES

OSHA 40-Hour HAZWOPER training, Cambridge, 1996

MARK C. POSSIDENTO, P.E.

Principal

SUMMARY OF EXPERIENCE

Mr. Possidento is Principal-in-Charge of Engineering Services for HRP Associates, Inc. in Plainville, Connecticut and HRP/Spectrum in Greenville, South Carolina. His primary responsibilities comprise the supervision of engineering projects for the firm. Mr. Possidento's professional background includes experience in government and private industry. This includes interaction at the local, regional, state, and federal levels of government as well as industries throughout Connecticut and South Carolina.

Although responsible for overseeing all projects in HRP's Engineering Division, Mr. Possidento remains active in various important projects undertaken by HRP. Currently, Mr. Possidento serves as Project Manager for the following projects: Closure of a Hazardous Waste Landfill in Plainville, Connecticut for a large industrial client; Regional Municipal Wastewater Treatment Plant Sludge Management Study for the western third of Connecticut; and a major ground water and soil remediation project in Bethel, Connecticut.

Prior to the formation of HRP Associates, Inc., Mr. Possidento was the Manager of another Connecticut-based consulting firm's Industrial Services Group. His responsibilities entailed the overall management of environmental consulting services to industry in such areas as hazardous waste management, site investigations and clean-ups, and industrial waste water treatment. In addition, he oversaw the operation of an environmental laboratory which performed a complete range of organic/inorganic testing services.

Mr. Possidento also served as Administrator of the Areawide Waste Treatment Management Planning Board (Connecticut 208 Program). During this period, Mr. Possidento was responsible for overall management of an approximately $1 million/year, federally funded, water quality management planning program for the State of Connecticut. Specific areas of study conducted under the 208 Program included: the assessment of agricultural, silvicultural, and urban runoff pollution; development of local ground water protection ordinances; the evaluation and formulation of recommendations for control of hazardous waste generation, treatment and disposal in Connecticut; development of a hazardous waste site investigation manual; and development of hazardous waste siting legislation.

Mr. Possidento also worked as an Environmental Engineer/Planner for the U.S. Environmental Protection Agency, Region I, Boston, Massachusetts. There he was responsible for water quality management planning in Maine and Rhode Island, including the review and preparation of basin plans, facilities plans and Environmental Impact Statements developed under the Clean Water Act.

EDUCATION

1973 Northeastern University, Environmental Engineering

1971 B.S. University of Connecticut, Civil Engineering

REGISTRATIONS

State of South Carolina, Registered Professional Engineer
State of Connecticut, Registered Professional Engineer
Commonwealth of Massachusetts, Registered Professional Engineer
State of New York, Registered Professional Engineer

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers
American Electroplaters Society
Connecticut Society of Professional Engineers
Connecticut Engineers in Private Practice

APPENDIX Y

STATISTICAL CALCULATIONS DEMONSTRATING CLEAN CLOSURE

	A	B	C	D	E	F	G
1	**1. ANTIMONY VIA MASS ANALYSIS**		*MCC=*	27	mg/kg	(Residential DEC)	
2	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
3	Results (mg/kg)	10	10	43	10	10	10
4			*MEAN =*	15.5			
5			*VARIANCE=*	181.5			
6		*STANDARD DEVIATION =*		13.47219359			
7		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
8		*95% UPPER CONFIDENCE LEVEL =*		26.27978595			
9		*NUMBER OF SAMPLES REQUIRED =*		5.572527847			
10							
11	**2. ARSENIC VIA MASS ANALYSIS**		*MCC=*	10	mg/kg	(Residential DEC)	
12	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
13	Results (mg/kg)	2.9	3	10.5	10.3	7.6	7.3
14			*MEAN =*	6.933333333			
15			*VARIANCE=*	11.27466667			
16		*STANDARD DEVIATION =*		3.357777042			
17		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
18		*95% UPPER CONFIDENCE LEVEL =*		9.62006119			
19		*NUMBER OF SAMPLES REQUIRED =*		4.867902425			
20							
21	**3. BARIUM VIA MASS ANALYSIS**		*MCC=*	4700	mg/kg	(Residential DEC)	
22	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
23	Results (mg/kg)	17	24.2	470	165	64.8	74.3
24			*MEAN =*	135.8833333			
25			*VARIANCE=*	29586.69767			
26		*STANDARD DEVIATION =*		172.0078419			
27		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
28		*95% UPPER CONFIDENCE LEVEL =*		273.5155389			
29		*NUMBER OF SAMPLES REQUIRED =*		0.005767058			
30							
31	**4. BERYLLIUM VIA MASS ANALYSIS**		*MCC=*	2	mg/kg	(Residential DEC)	
32	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
33	Results (mg/kg)	0.004	0.004	0.004	0.004	0.004	0.004
34			*MEAN =*	0.004			
35			*VARIANCE=*	0			
36		*STANDARD DEVIATION =*		0			
37		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
38		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
39		*NUMBER OF SAMPLES REQUIRED =*		0			
40							
41	**5. CADMIUM VIA MASS ANALYSIS**		*MCC=*	34	mg/kg	(Residential DEC)	
42	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
43	Results (mg/kg)	10.5	12.1	100	25.1	0.5	1.1
44			*MEAN =*	24.88333333			
45			*VARIANCE=*	1434.609667			
46		*STANDARD DEVIATION =*		37.87624145			
47		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
48		*95% UPPER CONFIDENCE LEVEL =*		55.19003677			

	A	B	C	D	E	F	G
49		*NUMBER OF SAMPLES REQUIRED =*		70.08626231			
50							
51	**6. CHROMIUM, TOTAL VIA MASS ANALYSIS**		*MCC=*	3900	mg/kg	(Residential DEC)	
52	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
53	Results (mg/kg)	3.6	4.5	12.5	10.3	9.7	8.9
54			*MEAN =*	8.25			
55			*VARIANCE=*	12.095			
56		*STANDARD DEVIATION =*		3.477786652			
57		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
58		*95% UPPER CONFIDENCE LEVEL =*		11.03275364			
59		*NUMBER OF SAMPLES REQUIRED =*		3.24255E-06			
60							
61	**7. COBALT VIA MASS ANALYSIS**		*MCC=*	4064	mg/kg	(Residential DEC)	
62	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
63	Results (mg/kg)	2.5	3.8	4.3	4.3	5.9	5.5
64			*MEAN =*	4.383333333			
65			*VARIANCE=*	1.489666667			
66		*STANDARD DEVIATION =*		1.220519015			
67		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
68		*95% UPPER CONFIDENCE LEVEL =*		5.359932553			
69		*NUMBER OF SAMPLES REQUIRED =*		3.67021E-07			
70							
71	**8. COPPER VIA MASS ANALYSIS**		*MCC=*	2500	mg/kg	(Residential DEC)	
72	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
73	Results (mg/kg)	8.1	9.3	104	1440	107	89.6
74			*MEAN =*	293			
75			*VARIANCE=*	317790.252			
76		*STANDARD DEVIATION =*		563.7288816			
77		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
78		*95% UPPER CONFIDENCE LEVEL =*		744.0680938			
79		*NUMBER OF SAMPLES REQUIRED =*		0.264915399			
80							
81	**9. CYANIDE, AMEN. VIA MASS ANALYSIS**		*MCC=*	1400	mg/kg	(Residential DEC)	
82	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
83	Results (mg/kg)	1	1	1	1	1	1
84			*MEAN =*	1			
85			*VARIANCE=*	0			
86		*STANDARD DEVIATION =*		0			
87		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
88		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
89		*NUMBER OF SAMPLES REQUIRED =*		0			
90							
91	**10. CYANIDE, TOTAL VIA MASS ANALYSIS**		*MCC=*	1400	mg/kg	(Residential DEC)	
92	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
93	Results (mg/kg)	1	1	1	1	1	1
94			*MEAN =*	1			
95			*VARIANCE=*	0			
96		*STANDARD DEVIATION =*		0			

	A	B	C	D	E	F	G
97		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
98		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
99		*NUMBER OF SAMPLES REQUIRED =*		0			
100							
101	**11. LEAD VIA MASS ANALYSIS**		*MCC=*	500	mg/kg	(Residential DEC)	
102	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
103	Results (mg/kg)	3	3.4	220	164	130	138
104			*MEAN =*	109.7333333			
105			*VARIANCE=*	7802.426667			
106		*STANDARD DEVIATION =*		88.33134589			
107		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
108		*95% UPPER CONFIDENCE LEVEL =*		180.411727			
109		*NUMBER OF SAMPLES REQUIRED =*		0.20800706			
110							
111	**12. MERCURY VIA MASS ANALYSIS**		*MCC=*	20	mg/kg	(Residential DEC)	
112	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
113	Results (mg/kg)	0.05	0.04	3.64	6.06	0.19	0.17
114			*MEAN =*	1.691666667			
115			*VARIANCE=*	6.574376667			
116		*STANDARD DEVIATION =*		2.564054732			
117		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
118		*95% UPPER CONFIDENCE LEVEL =*		3.743297012			
119		*NUMBER OF SAMPLES REQUIRED =*		0.079639451			
120							
121	**13. NICKEL VIA MASS ANALYSIS**		*MCC=*	1400	mg/kg	(Residential DEC)	
122	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
123	Results (mg/kg)	6.6	8.2	24.4	15.1	14.7	14.2
124			*MEAN =*	13.86666667			
125			*VARIANCE=*	39.63866667			
126		*STANDARD DEVIATION =*		6.295924608			
127		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
128		*95% UPPER CONFIDENCE LEVEL =*		18.90435553			
129		*NUMBER OF SAMPLES REQUIRED =*		8.37684E-05			
130							
131	**14. SILVER VIA MASS ANALYSIS**		*MCC=*	340	mg/kg	(Residential DEC)	
132	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
133	Results (mg/kg)	0.2	0.2	0.2	0.2	0.2	0.2
134			*MEAN =*	0.2			
135			*VARIANCE=*	1.11022E-17			
136		*STANDARD DEVIATION =*		3.332E-09			
137		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
138		*95% UPPER CONFIDENCE LEVEL =*		0.200000003			
139		*NUMBER OF SAMPLES REQUIRED =*		3.90422E-22			
140							
141	**15. TIN VIA MASS ANALYSIS**		*MCC=*	40645	mg/kg	(Residential DEC)	
142	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
143	Results (mg/kg)	20	20	90	20	20	20
144			*MEAN =*	31.66666667			

	A	B	C	D	E	F	G
145			*VARIANCE=*	816.6666667			
146		*STANDARD DEVIATION =*		28.57738033			
147		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
148		*95% UPPER CONFIDENCE LEVEL =*		54.53287929			
149		*NUMBER OF SAMPLES REQUIRED =*		2.01038E-06			
150							
151	**16. VANADIUM VIA MASS ANALYSIS**		*MCC=*	470	mg/kg	(Residential DEC)	
152	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
153	Results (mg/kg)	11.4	13.8	28.8	26.8	35.4	38.1
154			*MEAN =*	25.71666667			
155			*VARIANCE=*	120.9536667			
156		*STANDARD DEVIATION =*		10.99789374			
157		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
158		*95% UPPER CONFIDENCE LEVEL =*		34.51663971			
159		*NUMBER OF SAMPLES REQUIRED =*		0.002488114			
160							
161	**17. ZINC VIA MASS ANALYSIS**		*MCC=*	20000	mg/kg	(Residential DEC)	
162	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
163	Results (mg/kg)	41.5	64.9	4210	2590	394	560
164			*MEAN =*	1310.066667			
165			*VARIANCE=*	2921864.447			
166		*STANDARD DEVIATION =*		1709.346204			
167		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
168		*95% UPPER CONFIDENCE LEVEL =*		2677.801333			
169		*NUMBER OF SAMPLES REQUIRED =*		0.033963767			
170							
171	**18. ANTIMONY VIA SPLP**		*MCC=*	0.06	mg/l	(GB-PMC)	
172	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
173	Results (mg/l)	0.041	0.049	0.062	0.009	0.022	0.006
174			*MEAN =*	0.0315			
175			*VARIANCE=*	0.0005147			
176		*STANDARD DEVIATION =*		0.022687001			
177		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
178		*95% UPPER CONFIDENCE LEVEL =*		0.049653021			
179		*NUMBER OF SAMPLES REQUIRED =*		2.57297607			
180							
181	**19. ARSENIC VIA SPLP**		*MCC=*	0.5	mg/l	(GB-PMC)	
182	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
183	Results (mg/l)	0.05	0.05	0.05	0.05	0.05	0.05
184			*MEAN =*	0.05			
185			*VARIANCE=*	6.93889E-19			
186		*STANDARD DEVIATION =*		8.33E-10			
187		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
188		*95% UPPER CONFIDENCE LEVEL =*		0.050000001			
189		*NUMBER OF SAMPLES REQUIRED =*		1.39135E-17			
190							
191	**20. BARIUM VIA SPLP**		*MCC=*	10	mg/l	(GB-PMC)	
192	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4

	A	B	C	D	E	F	G
193	Results (mg/l)	0.5	0.5	0.5	0.5	0.5	0.5
194			*MEAN =*	0.5			
195			*VARIANCE=*	0			
196		*STANDARD DEVIATION =*		0			
197		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
198		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
199		*NUMBER OF SAMPLES REQUIRED =*		0			
200							
201	**21. BERYLLIUM VIA SPLP**		*MCC=*	0.04	mg/l	(GB-PMC)	
202	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
203	Results (mg/l)	0.004	0.004	0.004	0.004	0.004	0.004
204			*MEAN =*	0.004			
205			*VARIANCE=*	0			
206		*STANDARD DEVIATION =*		0			
207		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
208		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
209		*NUMBER OF SAMPLES REQUIRED =*		0			
210							
211	**22. CADMIUM VIA SPLP**		*MCC=*	0.05	mg/l	(GB-PMC)	
212	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
213	Results (mg/l)	0.005	0.005	0.014	0.005	0.005	0.005
214			*MEAN =*	0.0065			
215			*VARIANCE=*	0.0000135			
216		*STANDARD DEVIATION =*		0.003674235			
217		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
218		*95% UPPER CONFIDENCE LEVEL =*		0.009439942			
219		*NUMBER OF SAMPLES REQUIRED =*		0.028968536			
220							
221	**23. CHROMIUM, TOTAL VIA SPLP**		*MCC=*	0.5	mg/l	(GB-PMC)	
222	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
223	Results (mg/l)	0.05	0.05	0.05	0.05	0.05	0.05
224			*MEAN =*	0.05			
225			*VARIANCE=*	6.93889E-19			
226		*STANDARD DEVIATION =*		8.33E-10			
227		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
228		*95% UPPER CONFIDENCE LEVEL =*		0.050000001			
229		*NUMBER OF SAMPLES REQUIRED =*		1.39135E-17			
230							
231	**24. COBALT VIA SPLP**		*MCC=*	4.2	mg/l	(GB-PMC)	
232	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
233	Results (mg/l)	0.1	0.1	0.1	0.1	0.1	0.1
234			*MEAN =*	0.1			
235			*VARIANCE=*	2.77556E-18			
236		*STANDARD DEVIATION =*		1.666E-09			
237		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
238		*95% UPPER CONFIDENCE LEVEL =*		0.100000001			
239		*NUMBER OF SAMPLES REQUIRED =*		6.70431E-19			
240							

	A	B	C	D	E	F	G
241	**25. COPPER VIA SPLP**		*MCC=*	13	mg/l	(GB-PMC)	
242	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
243	Results (mg/l)	0.01	0.01	0.02	0.02	0.02	0.01
244			*MEAN =*	0.015			
245			*VARIANCE=*	0.00003			
246		*STANDARD DEVIATION =*		0.005477226			
247		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
248		*95% UPPER CONFIDENCE LEVEL =*		0.019382606			
249		*NUMBER OF SAMPLES REQUIRED =*		7.22451E-07			
250							
251	**26. CYANIDE, TOTAL VIA SPLP**		*MCC=*	2	mg/l	(GB-PMC)	
252	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
253	Results (mg/l)	0.05	0.05	0.05	0.05	0.05	0.05
254			*MEAN =*	0.05			
255			*VARIANCE=*	6.93889E-19			
256		*STANDARD DEVIATION =*		8.33E-10			
257		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
258		*95% UPPER CONFIDENCE LEVEL =*		0.050000001			
259		*NUMBER OF SAMPLES REQUIRED =*		7.40956E-19			
260							
261	**27. LEAD VIA SPLP**		*MCC=*	0.15	mg/l	(GB-PMC)	
262	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
263	Results (mg/l)	0.006	0.005	0.031	0.028	0.019	0.027
264			*MEAN =*	0.019333333			
265			*VARIANCE=*	0.000130667			
266		*STANDARD DEVIATION =*		0.011430952			
267		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
268		*95% UPPER CONFIDENCE LEVEL =*		0.028479818			
269		*NUMBER OF SAMPLES REQUIRED =*		0.031074667			
270							
271	**28. MERCURY VIA SPLP**		*MCC=*	0.02	mg/l	(GB-PMC)	
272	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
273	Results (mg/l)	0.02	0.02	0.02	0.02	0.02	0.02
274			*MEAN =*	0.02			
275			*VARIANCE=*	0			
276		*STANDARD DEVIATION =*		0			
277		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
278		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
279		*NUMBER OF SAMPLES REQUIRED =*		#DIV/0!			
280							
281	**29. NICKEL VIA SPLP**		*MCC=*	1	mg/l	(GB-PMC)	
282	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
283	Results (mg/l)	0.05	0.05	0.05	0.05	0.05	0.05
284			*MEAN =*	0.05			
285			*VARIANCE=*	6.93889E-19			
286		*STANDARD DEVIATION =*		8.33E-10			
287		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
288		*95% UPPER CONFIDENCE LEVEL =*		0.050000001			

	A	B	C	D	E	F	G
289		*NUMBER OF SAMPLES REQUIRED =*		3.12187E-18			
290							
291	**30. SILVER VIA SPLP**		*MCC=*	0.36	mg/l	(GB-PMC)	
292	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
293	Results (mg/l)	0.01	0.01	0.01	0.01	0.01	0.01
294			*MEAN =*	0.01			
295			*VARIANCE=*	0			
296		*STANDARD DEVIATION =*		0			
297		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
298		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
299		*NUMBER OF SAMPLES REQUIRED =*		0			
300							
301	**31. TIN VIA SPLP**		*MCC=*	42	mg/l	(GB-PMC)	
302	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
303	Results (mg/l)	0.5	0.5	0.5	0.5	0.5	0.5
304			*MEAN =*	0.5			
305			*VARIANCE=*	0			
306		*STANDARD DEVIATION =*		0			
307		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
308		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
309		*NUMBER OF SAMPLES REQUIRED =*		0			
310							
311	**32. VANADIUM VIA SPLP**		*MCC=*	0.5	mg/l	(GB-PMC)	
312	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
313	Results (mg/l)	0.1	0.1	0.1	0.1	0.1	0.1
314			*MEAN =*	0.1			
315			*VARIANCE=*	2.77556E-18			
316		*STANDARD DEVIATION =*		1.666E-09			
317		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
318		*95% UPPER CONFIDENCE LEVEL =*		0.100000001			
319		*NUMBER OF SAMPLES REQUIRED =*		7.04371E-17			
320							
321	**33. ZINC VIA SPLP**		*MCC=*	50	mg/l	(GB-PMC)	
322	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
323	Results (mg/l)	0.05	0.05	0.42	0.26	0.34	0.08
324			*MEAN =*	0.2			
325			*VARIANCE=*	0.0262			
326		*STANDARD DEVIATION =*		0.161864141			
327		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
328		*95% UPPER CONFIDENCE LEVEL =*		0.329515715			
329		*NUMBER OF SAMPLES REQUIRED =*		4.28957E-05			
330							
331	**34. BIS(2-ETHYLHEXYL)PHTHLATE**		*MCC=*	44000	ppb	(Residential DEC)	
332	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
333	Results (ppb)	20	20	65	36	20	20
334			*MEAN =*	30.16666667			
335			*VARIANCE=*	332.1666667			
336		*STANDARD DEVIATION =*		18.2254401			

	A	B	C	D	E	F	G
337		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
338		*95% UPPER CONFIDENCE LEVEL =*		44.74976643			
339		*NUMBER OF SAMPLES REQUIRED =*		6.97618E-07			
340							
341	**35. DI-N-BUTYL PHTHLATE**		*MCC=*	1000000	ppb	(Residential DEC)	
342	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
343	Results (ppb)	20	20	20	20	20	20
344			*MEAN =*	20			
345			*VARIANCE=*	0			
346		*STANDARD DEVIATION =*		0			
347		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
348		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
349		*NUMBER OF SAMPLES REQUIRED =*		0			
350							
351	**36. DI-N-OCTYL PHTHLATE**		*MCC=*	1000000	ppb	(Residential DEC)	
352	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
353	Results (ppb)	20	20	20	20	20	20
354			*MEAN =*	20			
355			*VARIANCE=*	0			
356		*STANDARD DEVIATION =*		0			
357		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
358		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
359		*NUMBER OF SAMPLES REQUIRED =*		0			
360							
361	**37. DIMETHYL PHTHALTE**		*MCC=*	677420000	ppb	(Residential DEC)	
362	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
363	Results (ppb)	20	20	20	20	20	20
364			*MEAN =*	20			
365			*VARIANCE=*	0			
366		*STANDARD DEVIATION =*		0			
367		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
368		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
369		*NUMBER OF SAMPLES REQUIRED =*		0			
370							
371	**38. PHENOL**		*MCC=*	1000	ppm	(Residential DEC)	
372	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
373	Results (ppm)	64	48	408	980	72	28
374			*MEAN =*	266.6666667			
375			*VARIANCE=*	142513.0667			
376		*STANDARD DEVIATION =*		377.5090286			
377		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
378		*95% UPPER CONFIDENCE LEVEL =*		568.7308033			
379		*NUMBER OF SAMPLES REQUIRED =*		1.076026909			
380							
381	**39. OIL & GREASE (TPH)**		*MCC=*	500	ppb	(Residential DEC)	
382	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
383	Results (ppb)	5	5	5	11	5	5
384			*MEAN =*	6			

	A	B	C	D	E	F	G
385			*VARIANCE=*	6			
386		*STANDARD DEVIATION =*		2.449489743			
387		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
388		*95% UPPER CONFIDENCE LEVEL =*		7.959961082			
389		*NUMBER OF SAMPLES REQUIRED =*		9.98317E-05			
390							
391	**40. BIS(2-ETHYLHEXYL)PHTHLATE**		*MCC=*	11000	ppb		
392	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
393	Results (ppb)	20	20	65	36	20	20
394			*MEAN =*	30.16666667			
395			*VARIANCE=*	332.1666667			
396		*STANDARD DEVIATION =*		18.2254401			
397		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
398		*95% UPPER CONFIDENCE LEVEL =*		44.74976643			
399		*NUMBER OF SAMPLES REQUIRED =*		1.1208E-05			
400							
401	**41. DI-N-BUTYL PHTHLATE**		*MCC=*	140000	ppb	(GB-PMC)	
402	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
403	Results (ppb)	20	20	20	20	20	20
404			*MEAN =*	20			
405			*VARIANCE=*	0			
406		*STANDARD DEVIATION =*		0			
407		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
408		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
409		*NUMBER OF SAMPLES REQUIRED =*		0			
410							
411	**42. DI-N-OCTYL PHTHLATE**		*MCC=*	20000	ppb	(GB-PMC)	
412	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
413	Results (ppb)	20	20	20	20	20	20
414			*MEAN =*	20			
415			*VARIANCE=*	0			
416		*STANDARD DEVIATION =*		0			
417		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
418		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
419		*NUMBER OF SAMPLES REQUIRED =*		0			
420							
421	**43. DIMETHYL PHTHALTE**		*MCC=*	14000000	ppb	(GB-PMC)	
422	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
423	Results (ppb)	20	20	20	20	20	20
424			*MEAN =*	20			
425			*VARIANCE=*	0			
426		*STANDARD DEVIATION =*		0			
427		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
428		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
429		*NUMBER OF SAMPLES REQUIRED =*		0			
430							
431	**44. PHENOL**		*MCC=*	800	ppm	(GB-PMC)	
432	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4

	A	B	C	D	E	F	G
433	Results (ppm)	64	48	408	980	72	28
434			*MEAN =*	266.6666667			
435			*VARIANCE=*	142513.0667			
436		*STANDARD DEVIATION =*		377.5090286			
437		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
438		*95% UPPER CONFIDENCE LEVEL =*		568.7308033			
439		*NUMBER OF SAMPLES REQUIRED =*		2.034363374			
440							
441	**45. OIL & GREASE (TPH)**		*MCC=*	2500	ppb	(GB-PMC)	
442	Sample I.D.	OUTSUB-1	OUTSUB-2	OUTLAT-1	OUTLAT-2	OUTLAT-3	OUTLAT-4
443	Results (ppb)	5	5	5	11	5	5
444			*MEAN =*	6			
445			*VARIANCE=*	6			
446		*STANDARD DEVIATION =*		2.449489743			
447		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.015049176			
448		*95% UPPER CONFIDENCE LEVEL =*		7.959961082			
449		*NUMBER OF SAMPLES REQUIRED =*		3.91678E-06			

STATISTICAL CALCULATIONS
PRIMARY CSA
SECOND ROUND

FORMER SYNTHETIC PRODUCTS COMPANY
375 BARNUM AVE. CUT-OFF
STRATFORD, CT
HRP#SPC0004.RC

PREPARED BY: _____
DATE: _____
CHECKED BY: _____
DATE: _____

	A	B	C	D	E	F	G
1	**1. ANTIMONY VIA MASS ANALYSIS**		*MCC=*	27	mg/kg	(Residential DEC)	
2	Sample I.D.	PRIMCSA-1	PRIMCSA-2	PRIMCSA-3	PRIMCSA-4		
3	Results (mg/kg)	10	10	10	10		
4			*MEAN =*	10			
5			*VARIANCE=*	0			
6		*STANDARD DEVIATION =*		0			
7		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.353363016			
8		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
9		*NUMBER OF SAMPLES REQUIRED =*		0			
10							
11	**2. ARSENIC VIA MASS ANALYSIS**		*MCC=*	10	mg/kg	(Residential DEC)	
12	Sample I.D.	PRIMCSA-1	PRIMCSA-2	PRIMCSA-3	PRIMCSA-4		
13	Results (mg/kg)	20.8	4.2	16.6	46.2		
14			*MEAN =*	21.95			
15			*VARIANCE=*	311.0233333			
16		*STANDARD DEVIATION =*		17.63585363			
17		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.353363016			
18		*95% UPPER CONFIDENCE LEVEL =*		39.23279339			
19		*NUMBER OF SAMPLES REQUIRED =*		12.06243563			
20							
21	**3. CADMIUM VIA MASS ANALYSIS**		*MCC=*	34	mg/kg	(Residential DEC)	
22	Sample I.D.	PRIMCSA-1	PRIMCSA-2	PRIMCSA-3	PRIMCSA-4		
23	Results (mg/kg)	0.5	0.5	0.5	0.7		
24			*MEAN =*	0.55			
25			*VARIANCE=*	0.01			
26		*STANDARD DEVIATION =*		0.1			
27		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.353363016			
28		*95% UPPER CONFIDENCE LEVEL =*		0.647998054			
29		*NUMBER OF SAMPLES REQUIRED =*		4.94978E-05			
30							
31	**4. ANTIMONY VIA SPLP**		*MCC=*	0.06	mg/l	(GB-PMC)	
32	Sample I.D.	PRIMCSA-1	PRIMCSA-2	PRIMCSA-3	PRIMCSA-4		
33	Results (mg/l)	0.006	0.006	0.006	0.006		
34			*MEAN =*	0.006			
35			*VARIANCE=*	0			
36		*STANDARD DEVIATION =*		0			
37		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.353363016			
38		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
39		*NUMBER OF SAMPLES REQUIRED =*		0			
40							
41	**5. ARSENIC VIA SPLP**		*MCC=*	0.5	mg/l	(GB-PMC)	
42	Sample I.D.	PRIMCSA-1	PRIMCSA-2	PRIMCSA-3	PRIMCSA-4		
43	Results (mg/l)	0.05	0.05	0.05	0.05		
44			*MEAN =*	0.05			
45			*VARIANCE=*	0			
46		*STANDARD DEVIATION =*		0			
47		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.353363016			
48		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			

	A	B	C	D	E	F	G
49		*NUMBER OF SAMPLES REQUIRED =*		0			
50							
51	**6. CADMIUM VIA SPLP**		*MCC=*	0.05	mg/l	(GB-PMC)	
52	Sample I.D.	PRIMCSA-1	PRIMCSA-2	PRIMCSA-3	PRIMCSA-4		
53	Results (mg/l)	0.005	0.005	0.005	0.005		
54			*MEAN =*	0.005			
55			*VARIANCE=*	0			
56		*STANDARD DEVIATION =*		0			
57		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.353363016			
58		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
59		*NUMBER OF SAMPLES REQUIRED =*		0			
60							
61	**7. PHENOL**		*MCC=*	800	ppm	(GB-PMC)	
62	Sample I.D.	PRIMCSA-1	PRIMCSA-2	PRIMCSA-3	PRIMCSA-4		
63	Results (ppm)	2	2	2	2		
64			*MEAN =*	2			
65			*VARIANCE=*	0			
66		*STANDARD DEVIATION =*		0			
67		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.353363016			
68		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
69		*NUMBER OF SAMPLES REQUIRED =*		0			

STATISTICAL CALCULATIONS
SECONDARY CONTAINER STORAGE AREA

FORMER SYNTHETIC PRODUCTS COMPANY
375 BARNUM AVE. CUT-OFF
STRATFORD, CT
HRP#SPC0004.RC

PREPARED BY: _____
DATE: _____
CHECKED BY: _____
DATE: _____

	A	B	C	D	E	F	G
1	**1. ANTIMONY VIA MASS ANALYSIS**		*MCC=*	27	mg/kg	(Residential DEC)	
2	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
3	Results (mg/kg)	10	10	10	10	10	
4			*MEAN =*	10			
5			*VARIANCE=*	0			
6		*STANDARD DEVIATION =*		0			
7		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
8		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
9		*NUMBER OF SAMPLES REQUIRED =*		0			
10							
11	**2. ARSENIC VIA MASS ANALYSIS**		*MCC=*	10	mg/kg	(Residential DEC)	
12	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
13	Results (mg/kg)	3.9	7.1	3.7	4.1	3.7	
14			*MEAN =*	4.5			
15			*VARIANCE=*	2.14			
16		*STANDARD DEVIATION =*		1.462873884			
17		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
18		*95% UPPER CONFIDENCE LEVEL =*		5.782240035			
19		*NUMBER OF SAMPLES REQUIRED =*		0.321514268			
20							
21	**3. BARIUM VIA MASS ANALYSIS**		*MCC=*	4700	mg/kg	(Residential DEC)	
22	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
23	Results (mg/kg)	40.8	61.6	50.7	47.8	56.3	
24			*MEAN =*	51.44			
25			*VARIANCE=*	63.463			
26		*STANDARD DEVIATION =*		7.9663668			
27		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
28		*95% UPPER CONFIDENCE LEVEL =*		58.42268973			
29		*NUMBER OF SAMPLES REQUIRED =*		1.33474E-05			
30							
31	**4. BERYLLIUM VIA MASS ANALYSIS**		*MCC=*	2	mg/kg	(Residential DEC)	
32	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
33	Results (mg/kg)	0.4	0.4	0.4	0.4	0.4	
34			*MEAN =*	0.4			
35			*VARIANCE=*	2.77556E-17			
36		*STANDARD DEVIATION =*		5.26836E-09			
37		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
38		*95% UPPER CONFIDENCE LEVEL =*		0.400000005			
39		*NUMBER OF SAMPLES REQUIRED =*		4.92745E-17			
40							
41	**5. CADMIUM VIA MASS ANALYSIS**		*MCC=*	34	mg/kg	(Residential DEC)	
42	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
43	Results (mg/kg)	8.9	0.8	6.7	0.5	28.7	
44			*MEAN =*	9.12			
45			*VARIANCE=*	133.202			
46		*STANDARD DEVIATION =*		11.54131708			
47		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
48		*95% UPPER CONFIDENCE LEVEL =*		19.23620959			

	A	B	C	D	E	F	G
49			*NUMBER OF SAMPLES REQUIRED =*	0.977961706			
50							
51	**6. CHROMIUM, TOTAL VIA MASS ANALYSIS**		*MCC=*	3900	mg/kg	(Residential DEC)	
52	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
53	Results (mg/kg)	4.7	6.2	6.1	5.3	17	
54			*MEAN =*	7.86			
55			*VARIANCE=*	26.483			
56			*STANDARD DEVIATION =*	5.14616362			
57			*SINGLE-TAILED t FOR 95%, df=3 IS*	2.131846486			
58			*95% UPPER CONFIDENCE LEVEL =*	12.37072173			
59			*NUMBER OF SAMPLES REQUIRED =*	7.94515E-06			
60							
61	**7. COBALT VIA MASS ANALYSIS**		*MCC=*	4064	mg/kg	(Residential DEC)	
62	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
63	Results (mg/kg)	3.6	5.4	5.5	4.1	7.2	
64			*MEAN =*	5.16			
65			*VARIANCE=*	1.973			
66			*STANDARD DEVIATION =*	1.404635184			
67			*SINGLE-TAILED t FOR 95%, df=3 IS*	2.131846486			
68			*95% UPPER CONFIDENCE LEVEL =*	6.391192577			
69			*NUMBER OF SAMPLES REQUIRED =*	5.44296E-07			
70							
71	**8. COPPER VIA MASS ANALYSIS**		*MCC=*	2500	mg/kg	(Residential DEC)	
72	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
73	Results (mg/kg)	44.5	66.2	32.3	15.9	23.7	
74			*MEAN =*	36.52			
75			*VARIANCE=*	387.982			
76			*STANDARD DEVIATION =*	19.69725869			
77			*SINGLE-TAILED t FOR 95%, df=3 IS*	2.131846486			
78			*95% UPPER CONFIDENCE LEVEL =*	53.78506567			
79			*NUMBER OF SAMPLES REQUIRED =*	0.000290553			
80							
81	**9. CYANIDE, AMEN. VIA MASS ANALYSIS**		*MCC=*	1400	mg/kg	(Residential DEC)	
82	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
83	Results (mg/kg)	1	1	1	1	1	
84			*MEAN =*	1			
85			*VARIANCE=*	0			
86			*STANDARD DEVIATION =*	0			
87			*SINGLE-TAILED t FOR 95%, df=3 IS*	2.131846486			
88			*95% UPPER CONFIDENCE LEVEL =*	#NUM!			
89			*NUMBER OF SAMPLES REQUIRED =*	0			
90							
91	**10. CYANIDE, TOTAL VIA MASS ANALYSIS**		*MCC=*	1400	mg/kg	(Residential DEC)	
92	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
93	Results (mg/kg)	1	1	1	1	1	
94			*MEAN =*	1			
95			*VARIANCE=*	0			
96			*STANDARD DEVIATION =*	0			

	A	B	C	D	E	F	G
97		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
98		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
99		*NUMBER OF SAMPLES REQUIRED =*		0			
100							
101	**11. LEAD VIA MASS ANALYSIS**		*MCC=*	500	mg/kg	(Residential DEC)	
102	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
103	Results (mg/kg)	58.9	114	35.1	14.4	22.9	
104			*MEAN =*	49.06			
105			*VARIANCE=*	1598.643			
106		*STANDARD DEVIATION =*		39.9830339			
107		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
108		*95% UPPER CONFIDENCE LEVEL =*		84.10597856			
109		*NUMBER OF SAMPLES REQUIRED =*		0.035729408			
110							
111	**12. MERCURY VIA MASS ANALYSIS**		*MCC=*	20	mg/kg	(Residential DEC)	
112	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
113	Results (mg/kg)	0.05	0.12	0.04	0.03	0.04	
114			*MEAN =*	0.056			
115			*VARIANCE=*	0.00133			
116		*STANDARD DEVIATION =*		0.036469165			
117		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
118		*95% UPPER CONFIDENCE LEVEL =*		0.087965998			
119		*NUMBER OF SAMPLES REQUIRED =*		1.51963E-05			
120							
121	**13. NICKEL VIA MASS ANALYSIS**		*MCC=*	1400	mg/kg	(Residential DEC)	
122	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
123	Results (mg/kg)	8.8	11.6	9	8.5	13.3	
124			*MEAN =*	10.24			
125			*VARIANCE=*	4.463			
126		*STANDARD DEVIATION =*		2.112581359			
127		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
128		*95% UPPER CONFIDENCE LEVEL =*		12.09172244			
129		*NUMBER OF SAMPLES REQUIRED =*		1.05017E-05			
130							
131	**14. SILVER VIA MASS ANALYSIS**		*MCC=*	340	mg/kg	(Residential DEC)	
132	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
133	Results (mg/kg)	0.2	0.2	0.2	0.2	0.2	
134			*MEAN =*	0.2			
135			*VARIANCE=*	6.93889E-18			
136		*STANDARD DEVIATION =*		2.63418E-09			
137		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
138		*95% UPPER CONFIDENCE LEVEL =*		0.200000002			
139		*NUMBER OF SAMPLES REQUIRED =*		2.73121E-22			
140							
141	**15. TIN VIA MASS ANALYSIS**		*MCC=*	40645	mg/kg	(Residential DEC)	
142	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
143	Results (mg/kg)	20	20	20	20	20	
144			*MEAN =*	20			

	A	B	C	D	E	F	G
145			*VARIANCE=*	0			
146		*STANDARD DEVIATION =*		0			
147		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
148		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
149		*NUMBER OF SAMPLES REQUIRED =*		0			
150							
151	**16. VANADIUM VIA MASS ANALYSIS**		*MCC=*	470	mg/kg	(Residential DEC)	
152	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
153	Results (mg/kg)	19.2	26.7	23.3	25.2	28.5	
154			*MEAN =*	24.58			
155			*VARIANCE=*	12.707			
156		*STANDARD DEVIATION =*		3.564687925			
157		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
158		*95% UPPER CONFIDENCE LEVEL =*		27.70452469			
159		*NUMBER OF SAMPLES REQUIRED =*		0.000291082			
160							
161	**17. ZINC VIA MASS ANALYSIS**		*MCC=*	20000	mg/kg	(Residential DEC)	
162	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
163	Results (mg/kg)	109	225	107	38.6	195	
164			*MEAN =*	134.92			
165			*VARIANCE=*	5613.232			
166		*STANDARD DEVIATION =*		74.92150559			
167		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
168		*95% UPPER CONFIDENCE LEVEL =*		200.5902912			
169		*NUMBER OF SAMPLES REQUIRED =*		6.46464E-05			
170							
171	**18. ANTIMONY VIA SPLP**		*MCC=*	0.06	mg/l	(GB-PMC)	
172	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
173	Results (mg/l)	0.012	0.016	0.023	0.015	0.038	
174			*MEAN =*	0.0208			
175			*VARIANCE=*	0.0001087			
176		*STANDARD DEVIATION =*		0.010425929			
177		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
178		*95% UPPER CONFIDENCE LEVEL =*		0.029938548			
179		*NUMBER OF SAMPLES REQUIRED =*		0.321491331			
180							
181	**19. ARSENIC VIA SPLP**		*MCC=*	0.5	mg/l	(GB-PMC)	
182	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
183	Results (mg/l)	0.05	0.05	0.05	0.05	0.05	
184			*MEAN =*	0.05			
185			*VARIANCE=*	4.33681E-19			
186		*STANDARD DEVIATION =*		6.58545E-10			
187		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
188		*95% UPPER CONFIDENCE LEVEL =*		0.050000001			
189		*NUMBER OF SAMPLES REQUIRED =*		9.73323E-18			
190							
191	**20. BARIUM VIA SPLP**		*MCC=*	10	mg/l	(GB-PMC)	
192	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	

	A	B	C	D	E	F	G
193	Results (mg/l)	0.5	0.5	0.5	0.5	0.5	
194			*MEAN =*	0.5			
195			*VARIANCE=*	0			
196		*STANDARD DEVIATION =*		0			
197		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
198		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
199		*NUMBER OF SAMPLES REQUIRED =*		0			
200							
201	**21. BERYLLIUM VIA SPLP**		*MCC=*	0.04	mg/l	(GB-PMC)	
202	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
203	Results (mg/l)	0.004	0.004	0.004	0.004	0.004	
204			*MEAN =*	0.004			
205			*VARIANCE=*	0			
206		*STANDARD DEVIATION =*		0			
207		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
208		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
209		*NUMBER OF SAMPLES REQUIRED =*		0			
210							
211	**22. CADMIUM VIA SPLP**		*MCC=*	0.05	mg/l	(GB-PMC)	
212	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
213	Results (mg/l)	0.005	0.005	0.005	0.005	0.005	
214			*MEAN =*	0.005			
215			*VARIANCE=*	0			
216		*STANDARD DEVIATION =*		0			
217		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
218		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
219		*NUMBER OF SAMPLES REQUIRED =*		0			
220							
221	**23. CHROMIUM, TOTAL VIA SPLP**		*MCC=*	0.5	mg/l	(GB-PMC)	
222	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
223	Results (mg/l)	0.05	0.05	0.05	0.05	0.05	
224			*MEAN =*	0.05			
225			*VARIANCE=*	4.33681E-19			
226		*STANDARD DEVIATION =*		6.58545E-10			
227		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
228		*95% UPPER CONFIDENCE LEVEL =*		0.050000001			
229		*NUMBER OF SAMPLES REQUIRED =*		9.73323E-18			
230							
231	**24. COBALT VIA SPLP**		*MCC=*	4.2	mg/l	(GB-PMC)	
232	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
233	Results (mg/l)	0.1	0.1	0.1	0.1	0.1	
234			*MEAN =*	0.1			
235			*VARIANCE=*	1.73472E-18			
236		*STANDARD DEVIATION =*		1.31709E-09			
237		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
238		*95% UPPER CONFIDENCE LEVEL =*		0.100000001			
239		*NUMBER OF SAMPLES REQUIRED =*		4.69002E-19			
240							

	A	B	C	D	E	F	G
241	**25. COPPER VIA SPLP**		*MCC=*	13	mg/l	(GB-PMC)	
242	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
243	Results (mg/l)	0.01	0.01	0.01	0.01	0.01	
244			*MEAN =*	0.01			
245			*VARIANCE=*	0			
246		*STANDARD DEVIATION =*		0			
247		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
248		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
249		*NUMBER OF SAMPLES REQUIRED =*		0			
250							
251	**26. CYANIDE, TOTAL VIA SPLP**		*MCC=*	2	mg/l	(GB-PMC)	
252	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
253	Results (mg/l)	0.05	0.05	0.05	0.05	0.05	
254			*MEAN =*	0.05			
255			*VARIANCE=*	4.33681E-19			
256		*STANDARD DEVIATION =*		6.58545E-10			
257		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
258		*95% UPPER CONFIDENCE LEVEL =*		0.050000001			
259		*NUMBER OF SAMPLES REQUIRED =*		5.18338E-19			
260							
261	**27. LEAD VIA SPLP**		*MCC=*	0.15	mg/l	(GB-PMC)	
262	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
263	Results (mg/l)	0.027	0.011	0.018	0.007	0.005	
264			*MEAN =*	0.0136			
265			*VARIANCE=*	0.0000808			
266		*STANDARD DEVIATION =*		0.008988882			
267		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
268		*95% UPPER CONFIDENCE LEVEL =*		0.021478946			
269		*NUMBER OF SAMPLES REQUIRED =*		0.019737606			
270							
271	**28. MERCURY VIA SPLP**		*MCC=*	0.02	mg/l	(GB-PMC)	
272	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
273	Results (mg/l)	0.002	0.002	0.002	0.002	0.002	
274			*MEAN =*	0.002			
275			*VARIANCE=*	0			
276		*STANDARD DEVIATION =*		0			
277		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
278		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
279		*NUMBER OF SAMPLES REQUIRED =*		0			
280							
281	**29. NICKEL VIA SPLP**		*MCC=*	1	mg/l	(GB-PMC)	
282	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
283	Results (mg/l)	0.05	0.05	0.05	0.05	0.05	
284			*MEAN =*	0.05			
285			*VARIANCE=*	4.33681E-19			
286		*STANDARD DEVIATION =*		6.58545E-10			
287		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
288		*95% UPPER CONFIDENCE LEVEL =*		0.050000001			

	A	B	C	D	E	F	G
289			*NUMBER OF SAMPLES REQUIRED =*	2.18391E-18			
290							
291	**30. SILVER VIA SPLP**		*MCC=*	0.36	mg/l	(GB-PMC)	
292	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
293	Results (mg/l)	0.01	0.01	0.01	0.01	0.01	
294			*MEAN =*	0.01			
295			*VARIANCE=*	0			
296			*STANDARD DEVIATION =*	0			
297			*SINGLE-TAILED t FOR 95%, df=3 IS*	2.131846486			
298			*95% UPPER CONFIDENCE LEVEL =*	#NUM!			
299			*NUMBER OF SAMPLES REQUIRED =*	0			
300							
301	**31. TIN VIA SPLP**		*MCC=*	42	mg/l	(GB-PMC)	
302	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
303	Results (mg/l)	0.5	0.5	0.5	0.5	0.5	
304			*MEAN =*	0.5			
305			*VARIANCE=*	0			
306			*STANDARD DEVIATION =*	0			
307			*SINGLE-TAILED t FOR 95%, df=3 IS*	2.131846486			
308			*95% UPPER CONFIDENCE LEVEL =*	#NUM!			
309			*NUMBER OF SAMPLES REQUIRED =*	0			
310							
311	**32. VANADIUM VIA SPLP**		*MCC=*	0.5	mg/l	(GB-PMC)	
312	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
313	Results (mg/l)	0.1	0.1	0.1	0.1	0.1	
314			*MEAN =*	0.1			
315			*VARIANCE=*	1.73472E-18			
316			*STANDARD DEVIATION =*	1.31709E-09			
317			*SINGLE-TAILED t FOR 95%, df=3 IS*	2.131846486			
318			*95% UPPER CONFIDENCE LEVEL =*	0.100000001			
319			*NUMBER OF SAMPLES REQUIRED =*	4.92745E-17			
320							
321	**33. ZINC VIA SPLP**		*MCC=*	50	mg/l	(GB-PMC)	
322	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
323	Results (mg/l)	0.08	0.05	0.05	0.05	0.07	
324			*MEAN =*	0.06			
325			*VARIANCE=*	0.0002			
326			*STANDARD DEVIATION =*	0.014142136			
327			*SINGLE-TAILED t FOR 95%, df=3 IS*	2.131846486			
328			*95% UPPER CONFIDENCE LEVEL =*	0.072395882			
329			*NUMBER OF SAMPLES REQUIRED =*	3.64456E-07			
330							
331	**34. BIS(2-ETHYLHEXYL)PHTHLATE**		*MCC=*	44000	ppb	(Residential DEC)	
332	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
333	Results (ppb)	34	43	49	20	20	
334			*MEAN =*	33.2			
335			*VARIANCE=*	173.7			
336			*STANDARD DEVIATION =*	13.17952958			

	A	B	C	D	E	F	G
337		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
338		*95% UPPER CONFIDENCE LEVEL =*		44.75213765			
339		*NUMBER OF SAMPLES REQUIRED =*		4.08378E-07			
340							
341	**35. DI-N-BUTYL PHTHLATE**		*MCC=*	1000000	ppb	(Residential DEC)	
342	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
343	Results (ppb)	20	20	20	20	20	
344			*MEAN =*	20			
345			*VARIANCE=*	0			
346		*STANDARD DEVIATION =*		0			
347		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
348		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
349		*NUMBER OF SAMPLES REQUIRED =*		0			
350							
351	**36. DI-N-OCTYL PHTHLATE**		*MCC=*	1000000	ppb	(Residential DEC)	
352	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
353	Results (ppb)	20	20	20	20	20	
354			*MEAN =*	20			
355			*VARIANCE=*	0			
356		*STANDARD DEVIATION =*		0			
357		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
358		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
359		*NUMBER OF SAMPLES REQUIRED =*		0			
360							
361	**37. DIMETHYL PHTHALTE**		*MCC=*	677420000	ppb	(Residential DEC)	
362	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
363	Results (ppb)	20	20	20	20	20	
364			*MEAN =*	20			
365			*VARIANCE=*	0			
366		*STANDARD DEVIATION =*		0			
367		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
368		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
369		*NUMBER OF SAMPLES REQUIRED =*		0			
370							
371	**38. PHENOL**		*MCC=*	1000	ppm	(Residential DEC)	
372	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
373	Results (ppm)	5	5	5	5	5	
374			*MEAN =*	5			
375			*VARIANCE=*	0			
376		*STANDARD DEVIATION =*		0			
377		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
378		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
379		*NUMBER OF SAMPLES REQUIRED =*		0			
380							
381	**39. OIL & GREASE (TPH)**		*MCC=*	500	ppb	(Residential DEC)	
382	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
383	Results (ppb)	80	104	300	140	360	
384			*MEAN =*	196.8			

	A	B	C	D	E	F	G
385			*VARIANCE=*	15691.2			
386		*STANDARD DEVIATION =*		125.2645201			
387		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
388		*95% UPPER CONFIDENCE LEVEL =*		306.5970128			
389		*NUMBER OF SAMPLES REQUIRED =*		0.775728272			
390							
391	**40. BIS(2-ETHYLHEXYL)PHTHLATE**		*MCC=*	11000	ppb		
392	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
393	Results (ppb)	34	43	49	20	20	
394			*MEAN =*	33.2			
395			*VARIANCE=*	173.7			
396		*STANDARD DEVIATION =*		13.17952958			
397		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
398		*95% UPPER CONFIDENCE LEVEL =*		44.75213765			
399		*NUMBER OF SAMPLES REQUIRED =*		6.56375E-06			
400							
401	**41. DI-N-BUTYL PHTHLATE**		*MCC=*	140000	ppb	(GB-PMC)	
402	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
403	Results (ppb)	20	20	20	20	20	
404			*MEAN =*	20			
405			*VARIANCE=*	0			
406		*STANDARD DEVIATION =*		0			
407		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
408		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
409		*NUMBER OF SAMPLES REQUIRED =*		0			
410							
411	**42. DI-N-OCTYL PHTHLATE**		*MCC=*	20000	ppb	(GB-PMC)	
412	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
413	Results (ppb)	20	20	20	20	20	
414			*MEAN =*	20			
415			*VARIANCE=*	0			
416		*STANDARD DEVIATION =*		0			
417		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
418		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
419		*NUMBER OF SAMPLES REQUIRED =*		0			
420							
421	**43. DIMETHYL PHTHALTE**		*MCC=*	14000000	ppb	(GB-PMC)	
422	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
423	Results (ppb)	20	20	20	20	20	
424			*MEAN =*	20			
425			*VARIANCE=*	0			
426		*STANDARD DEVIATION =*		0			
427		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
428		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
429		*NUMBER OF SAMPLES REQUIRED =*		0			
430							
431	**44. PHENOL**		*MCC=*	800	ppm	(GB-PMC)	
432	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	

	A	B	C	D	E	F	G
433	Results (ppm)	5	5	5	5	5	
434			*MEAN =*	5			
435			*VARIANCE=*	0			
436		*STANDARD DEVIATION =*		0			
437		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
438		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
439		*NUMBER OF SAMPLES REQUIRED =*		0			
440							
441	**45. OIL & GREASE (TPH)**		*MCC=*	2500	ppb	(GB-PMC)	
442	Sample I.D.	SEC-SUB-1	SEC-SUB-2	SEC-SUB-3	SEC-SUB-4	SEC-SUB-5	
443	Results (ppb)	80	104	300	140	360	
444			*MEAN =*	196.8			
445			*VARIANCE=*	15691.2			
446		*STANDARD DEVIATION =*		125.2645201			
447		*SINGLE-TAILED t FOR 95%, df=3 IS*		2.131846486			
448		*95% UPPER CONFIDENCE LEVEL =*		306.5970128			
449		*NUMBER OF SAMPLES REQUIRED =*		0.013443263			

STATISTICAL CALCULATIONS
AREA II

FORMER SYNTHETIC PRODUCTS COMPANY
375 BARNUM AVE. CUT-OFF
STRATFORD, CT
HRP#SPC0004.RC

PREPARED BY: _____
DATE: _____
CHECKED BY: _____
DATE: _____

	A	B	C	D	E	F	G
1	**1. ANTIMONY VIA MASS ANALYSIS**		*MCC=*	27	mg/kg	(Residential DEC)	
2	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
3	Results (mg/kg)	10	12				
4			*MEAN =*	11			
5			*VARIANCE=*	2			
6		*STANDARD DEVIATION =*		1.414213562			
7		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
8		*95% UPPER CONFIDENCE LEVEL =*		12.95996108			
9		*NUMBER OF SAMPLES REQUIRED =*		0.31143298			
10							
11	**2. ARSENIC VIA MASS ANALYSIS**		*MCC=*	10	mg/kg	(Residential DEC)	
12	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
13	Results (mg/kg)	2.8	2.4				
14			*MEAN =*	2.6			
15			*VARIANCE=*	0.08			
16		*STANDARD DEVIATION =*		0.282842712			
17		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
18		*95% UPPER CONFIDENCE LEVEL =*		2.991992216			
19		*NUMBER OF SAMPLES REQUIRED =*		0.058237285			
20							
21	**3. BARIUM VIA MASS ANALYSIS**		*MCC=*	4700	mg/kg	(Residential DEC)	
22	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
23	Results (mg/kg)	80.3	184				
24			*MEAN =*	132.15			
25			*VARIANCE=*	5376.845			
26		*STANDARD DEVIATION =*		73.32697321			
27		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
28		*95% UPPER CONFIDENCE LEVEL =*		233.7739821			
29		*NUMBER OF SAMPLES REQUIRED =*		0.010272554			
30							
31	**4. BERYLLIUM VIA MASS ANALYSIS**		*MCC=*	2	mg/kg	(Residential DEC)	
32	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
33	Results (mg/kg)	0.4	0.4				
34			*MEAN =*	0.4			
35			*VARIANCE=*	0			
36		*STANDARD DEVIATION =*		0			
37		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
38		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
39		*NUMBER OF SAMPLES REQUIRED =*		0			
40							
41	**5. CADMIUM VIA MASS ANALYSIS**		*MCC=*	34	mg/kg	(Residential DEC)	
42	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
43	Results (mg/kg)	16.1	27.6				
44			*MEAN =*	21.85			
45			*VARIANCE=*	66.125			
46		*STANDARD DEVIATION =*		8.131727984			
47		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
48		*95% UPPER CONFIDENCE LEVEL =*		33.11977622			

	A	B	C	D	E	F	G
49		*NUMBER OF SAMPLES REQUIRED =*		17.85614482			
50							
51	**6. CHROMIUM, TOTAL VIA MASS ANALYSIS**		*MCC=*	3900	mg/kg	(Residential DEC)	
52	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
53	Results (mg/kg)	7.1	13				
54			*MEAN =*	10.05			
55			*VARIANCE=*	17.405			
56		*STANDARD DEVIATION =*		4.171930009			
57		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
58		*95% UPPER CONFIDENCE LEVEL =*		15.83188519			
59		*NUMBER OF SAMPLES REQUIRED =*		4.58522E-05			
60							
61	**7. COBALT VIA MASS ANALYSIS**		*MCC=*	4064	mg/kg	(Residential DEC)	
62	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
63	Results (mg/kg)	5.9	5.8				
64			*MEAN =*	5.85			
65			*VARIANCE=*	0.005			
66		*STANDARD DEVIATION =*		0.070710678			
67		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
68		*95% UPPER CONFIDENCE LEVEL =*		5.947998054			
69		*NUMBER OF SAMPLES REQUIRED =*		1.21029E-08			
70							
71	**8. COPPER VIA MASS ANALYSIS**		*MCC=*	2500	mg/kg	(Residential DEC)	
72	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
73	Results (mg/kg)	28.1	42.4				
74			*MEAN =*	35.25			
75			*VARIANCE=*	102.245			
76		*STANDARD DEVIATION =*		10.11162697			
77		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
78		*95% UPPER CONFIDENCE LEVEL =*		49.26372174			
79		*NUMBER OF SAMPLES REQUIRED =*		0.00067092			
80							
81	**9. CYANIDE, AMEN. VIA MASS ANALYSIS**		*MCC=*	1400	mg/kg	(Residential DEC)	
82	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
83	Results (mg/kg)	1	1				
84			*MEAN =*	1			
85			*VARIANCE=*	0			
86		*STANDARD DEVIATION =*		0			
87		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
88		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
89		*NUMBER OF SAMPLES REQUIRED =*		0			
90							
91	**10. CYANIDE, TOTAL VIA MASS ANALYSIS**		*MCC=*	1400	mg/kg	(Residential DEC)	
92	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
93	Results (mg/kg)	1	1				
94			*MEAN =*	1			
95			*VARIANCE=*	0			
96		*STANDARD DEVIATION =*		0			

	A	B	C	D	E	F	G
97		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
98		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
99		*NUMBER OF SAMPLES REQUIRED =*		0			
100							
101	**11. LEAD VIA MASS ANALYSIS**		*MCC=*	500	mg/kg	(Residential DEC)	
102	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
103	Results (mg/kg)	24.3	28.8				
104			*MEAN =*	26.55			
105			*VARIANCE=*	10.125			
106		*STANDARD DEVIATION =*		3.181980515			
107		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
108		*95% UPPER CONFIDENCE LEVEL =*		30.95991244			
109		*NUMBER OF SAMPLES REQUIRED =*		0.001800617			
110							
111	**12. MERCURY VIA MASS ANALYSIS**		*MCC=*	20	mg/kg	(Residential DEC)	
112	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
113	Results (mg/kg)	0.02	0.09				
114			*MEAN =*	0.055			
115			*VARIANCE=*	0.00245			
116		*STANDARD DEVIATION =*		0.049497475			
117		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
118		*95% UPPER CONFIDENCE LEVEL =*		0.123598638			
119		*NUMBER OF SAMPLES REQUIRED =*		0.000245512			
120							
121	**13. NICKEL VIA MASS ANALYSIS**		*MCC=*	1400	mg/kg	(Residential DEC)	
122	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
123	Results (mg/kg)	12.4	13				
124			*MEAN =*	12.7			
125			*VARIANCE=*	0.18			
126		*STANDARD DEVIATION =*		0.424264069			
127		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
128		*95% UPPER CONFIDENCE LEVEL =*		13.28798832			
129		*NUMBER OF SAMPLES REQUIRED =*		3.72826E-06			
130							
131	**14. SILVER VIA MASS ANALYSIS**		*MCC=*	340	mg/kg	(Residential DEC)	
132	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
133	Results (mg/kg)	0.2	0.2				
134			*MEAN =*	0.2			
135			*VARIANCE=*	0			
136		*STANDARD DEVIATION =*		0			
137		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
138		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
139		*NUMBER OF SAMPLES REQUIRED =*		0			
140							
141	**15. TIN VIA MASS ANALYSIS**		*MCC=*	40645	mg/kg	(Residential DEC)	
142	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
143	Results (mg/kg)	20	20				
144			*MEAN =*	20			

	A	B	C	D	E	F	G
145			*VARIANCE=*	0			
146		*STANDARD DEVIATION =*		0			
147		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
148		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
149		*NUMBER OF SAMPLES REQUIRED =*		0			
150							
151	**16. VANADIUM VIA MASS ANALYSIS**		*MCC=*	470	mg/kg	(Residential DEC)	
152	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
153	Results (mg/kg)	19	15.5				
154			*MEAN =*	17.25			
155			*VARIANCE=*	6.125			
156		*STANDARD DEVIATION =*		2.474873734			
157		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
158		*95% UPPER CONFIDENCE LEVEL =*		20.67993189			
159		*NUMBER OF SAMPLES REQUIRED =*		0.001191143			
160							
161	**17. ZINC VIA MASS ANALYSIS**		*MCC=*	20000	mg/kg	(Residential DEC)	
162	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
163	Results (mg/kg)	333	134				
164			*MEAN =*	233.5			
165			*VARIANCE=*	19800.5			
166		*STANDARD DEVIATION =*		140.7142495			
167		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
168		*95% UPPER CONFIDENCE LEVEL =*		428.5161277			
169		*NUMBER OF SAMPLES REQUIRED =*		0.002020185			
170							
171	**18. ANTIMONY VIA SPLP**		*MCC=*	0.06	mg/l	(GB-PMC)	
172	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
173	Results (mg/l)	0.033	0.087				
174			*MEAN =*	0.06			
175			*VARIANCE=*	0.001458			
176		*STANDARD DEVIATION =*		0.038183766			
177		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
178		*95% UPPER CONFIDENCE LEVEL =*		0.112918949			
179		*NUMBER OF SAMPLES REQUIRED =*		#DIV/0!			
180							
181	**19. ARSENIC VIA SPLP**		*MCC=*	0.5	mg/l	(GB-PMC)	
182	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
183	Results (mg/l)	0.05	0.05				
184			*MEAN =*	0.05			
185			*VARIANCE=*	0			
186		*STANDARD DEVIATION =*		0			
187		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
188		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
189		*NUMBER OF SAMPLES REQUIRED =*		0			
190							
191	**20. BARIUM VIA SPLP**		*MCC=*	10	mg/l	(GB-PMC)	
192	Sample I.D.	AREA II LAT-1	AREA II LAT-2				

	A	B	C	D	E	F	G
193	Results (mg/l)	0.5	0.5				
194			*MEAN =*	0.5			
195			*VARIANCE=*	0			
196			*STANDARD DEVIATION =*	0			
197			*SINGLE-TAILED t FOR 95%, df=3 IS*	6.313748599			
198			*95% UPPER CONFIDENCE LEVEL =*	#NUM!			
199			*NUMBER OF SAMPLES REQUIRED =*	0			
200							
201	**21. BERYLLIUM VIA SPLP**		*MCC=*	0.04	mg/l	(GB-PMC)	
202	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
203	Results (mg/l)	0.004	0.004				
204			*MEAN =*	0.004			
205			*VARIANCE=*	0			
206			*STANDARD DEVIATION =*	0			
207			*SINGLE-TAILED t FOR 95%, df=3 IS*	6.313748599			
208			*95% UPPER CONFIDENCE LEVEL =*	#NUM!			
209			*NUMBER OF SAMPLES REQUIRED =*	0			
210							
211	**22. CADMIUM VIA SPLP**		*MCC=*	0.05	mg/l	(GB-PMC)	
212	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
213	Results (mg/l)	0.005	0.011				
214			*MEAN =*	0.008			
215			*VARIANCE=*	0.000018			
216			*STANDARD DEVIATION =*	0.004242641			
217			*SINGLE-TAILED t FOR 95%, df=3 IS*	6.313748599			
218			*95% UPPER CONFIDENCE LEVEL =*	0.013879883			
219			*NUMBER OF SAMPLES REQUIRED =*	0.406769606			
220							
221	**23. CHROMIUM, TOTAL VIA SPLP**		*MCC=*	0.5	mg/l	(GB-PMC)	
222	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
223	Results (mg/l)	0.05	0.05				
224			*MEAN =*	0.05			
225			*VARIANCE=*	0			
226			*STANDARD DEVIATION =*	0			
227			*SINGLE-TAILED t FOR 95%, df=3 IS*	6.313748599			
228			*95% UPPER CONFIDENCE LEVEL =*	#NUM!			
229			*NUMBER OF SAMPLES REQUIRED =*	0			
230							
231	**24. COBALT VIA SPLP**		*MCC=*	4.2	mg/l	(GB-PMC)	
232	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
233	Results (mg/l)	0.1	0.1				
234			*MEAN =*	0.1			
235			*VARIANCE=*	0			
236			*STANDARD DEVIATION =*	0			
237			*SINGLE-TAILED t FOR 95%, df=3 IS*	6.313748599			
238			*95% UPPER CONFIDENCE LEVEL =*	#NUM!			
239			*NUMBER OF SAMPLES REQUIRED =*	0			
240							

	A	B	C	D	E	F	G
241	**25. COPPER VIA SPLP**		*MCC=*	13	mg/l	(GB-PMC)	
242	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
243	Results (mg/l)	0.01	0.01				
244			*MEAN =*	0.01			
245			*VARIANCE=*	0			
246		*STANDARD DEVIATION =*		0			
247		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
248		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
249		*NUMBER OF SAMPLES REQUIRED =*		0			
250							
251	**26. CYANIDE, TOTAL VIA SPLP**		*MCC=*	2	mg/l	(GB-PMC)	
252	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
253	Results (mg/l)	0.05	0.05				
254			*MEAN =*	0.05			
255			*VARIANCE=*	0			
256		*STANDARD DEVIATION =*		0			
257		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
258		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
259		*NUMBER OF SAMPLES REQUIRED =*		0			
260							
261	**27. LEAD VIA SPLP**		*MCC=*	0.15	mg/l	(GB-PMC)	
262	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
263	Results (mg/l)	0.009	0.008				
264			*MEAN =*	0.0085			
265			*VARIANCE=*	5E-07			
266		*STANDARD DEVIATION =*		0.000707107			
267		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
268		*95% UPPER CONFIDENCE LEVEL =*		0.009479981			
269		*NUMBER OF SAMPLES REQUIRED =*		0.000995478			
270							
271	**28. MERCURY VIA SPLP**		*MCC=*	0.02	mg/l	(GB-PMC)	
272	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
273	Results (mg/l)	0.002	0.002				
274			*MEAN =*	0.002			
275			*VARIANCE=*	0			
276		*STANDARD DEVIATION =*		0			
277		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
278		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
279		*NUMBER OF SAMPLES REQUIRED =*		0			
280							
281	**29. NICKEL VIA SPLP**		*MCC=*	1	mg/l	(GB-PMC)	
282	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
283	Results (mg/l)	0.05	0.05				
284			*MEAN =*	0.05			
285			*VARIANCE=*	0			
286		*STANDARD DEVIATION =*		0			
287		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
288		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			

	A	B	C	D	E	F	G
289		*NUMBER OF SAMPLES REQUIRED =*		0			
290							
291	**30. SILVER VIA SPLP**		*MCC=*	0.36	mg/l	(GB-PMC)	
292	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
293	Results (mg/l)	0.01	0.01				
294			*MEAN =*	0.01			
295			*VARIANCE=*	0			
296		*STANDARD DEVIATION =*		0			
297		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
298		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
299		*NUMBER OF SAMPLES REQUIRED =*		0			
300							
301	**31. TIN VIA SPLP**		*MCC=*	42	mg/l	(GB-PMC)	
302	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
303	Results (mg/l)	0.5	0.5				
304			*MEAN =*	0.5			
305			*VARIANCE=*	0			
306		*STANDARD DEVIATION =*		0			
307		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
308		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
309		*NUMBER OF SAMPLES REQUIRED =*		0			
310							
311	**32. VANADIUM VIA SPLP**		*MCC=*	0.5	mg/l	(GB-PMC)	
312	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
313	Results (mg/l)	0.1	0.1				
314			*MEAN =*	0.1			
315			*VARIANCE=*	0			
316		*STANDARD DEVIATION =*		0			
317		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
318		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
319		*NUMBER OF SAMPLES REQUIRED =*		0			
320							
321	**33. ZINC VIA SPLP**		*MCC=*	50	mg/l	(GB-PMC)	
322	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
323	Results (mg/l)	0.08	0.05				
324			*MEAN =*	0.065			
325			*VARIANCE=*	0.00045			
326		*STANDARD DEVIATION =*		0.021213203			
327		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
328		*95% UPPER CONFIDENCE LEVEL =*		0.094399416			
329		*NUMBER OF SAMPLES REQUIRED =*		7.19411E-06			
330							
331	**34. BIS(2-ETHYLHEXYL)PHTHLATE**		*MCC=*	44000	ppb	(Residential DEC)	
332	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
333	Results (ppb)	20	42				
334			*MEAN =*	31			
335			*VARIANCE=*	242			
336		*STANDARD DEVIATION =*		15.55634919			

	A	B	C	D	E	F	G
337		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
338		*95% UPPER CONFIDENCE LEVEL =*		52.55957191			
339		*NUMBER OF SAMPLES REQUIRED =*		4.98996E-06			
340							
341	**35. DI-N-BUTYL PHTHLATE**		*MCC=*	1000000	ppb	(Residential DEC)	
342	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
343	Results (ppb)	20	20				
344			*MEAN =*	20			
345			*VARIANCE=*	0			
346		*STANDARD DEVIATION =*		0			
347		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
348		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
349		*NUMBER OF SAMPLES REQUIRED =*		0			
350							
351	**36. DI-N-OCTYL PHTHLATE**		*MCC=*	1000000	ppb	(Residential DEC)	
352	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
353	Results (ppb)	20	20				
354			*MEAN =*	20			
355			*VARIANCE=*	0			
356		*STANDARD DEVIATION =*		0			
357		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
358		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
359		*NUMBER OF SAMPLES REQUIRED =*		0			
360							
361	**37. DIMETHYL PHTHALTE**		*MCC=*	677420000	ppb	(Residential DEC)	
362	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
363	Results (ppb)	20	20				
364			*MEAN =*	20			
365			*VARIANCE=*	0			
366		*STANDARD DEVIATION =*		0			
367		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
368		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
369		*NUMBER OF SAMPLES REQUIRED =*		0			
370							
371	**38. PHENOL**		*MCC=*	1000	ppm	(Residential DEC)	
372	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
373	Results (ppm)	5	5				
374			*MEAN =*	5			
375			*VARIANCE=*	0			
376		*STANDARD DEVIATION =*		0			
377		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
378		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
379		*NUMBER OF SAMPLES REQUIRED =*		0			
380							
381	**39. OIL & GREASE (TPH)**		*MCC=*	500	ppb	(Residential DEC)	
382	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
383	Results (ppb)	428	348				
384			*MEAN =*	388			

	A	B	C	D	E	F	G
385			*VARIANCE=*	3200			
386		*STANDARD DEVIATION =*		56.56854249			
387		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
388		*95% UPPER CONFIDENCE LEVEL =*		466.3984433			
389		*NUMBER OF SAMPLES REQUIRED =*		10.16924015			
390							
391	**40. BIS(2-ETHYLHEXYL)PHTHLATE**		*MCC=*	11000	ppb		
392	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
393	Results (ppb)	20	42				
394			*MEAN =*	31			
395			*VARIANCE=*	242			
396		*STANDARD DEVIATION =*		15.55634919			
397		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
398		*95% UPPER CONFIDENCE LEVEL =*		52.55957191			
399		*NUMBER OF SAMPLES REQUIRED =*		8.01781E-05			
400							
401	**41. DI-N-BUTYL PHTHLATE**		*MCC=*	140000	ppb	(GB-PMC)	
402	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
403	Results (ppb)	20	20				
404			*MEAN =*	20			
405			*VARIANCE=*	0			
406		*STANDARD DEVIATION =*		0			
407		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
408		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
409		*NUMBER OF SAMPLES REQUIRED =*		0			
410							
411	**42. DI-N-OCTYL PHTHLATE**		*MCC=*	20000	ppb	(GB-PMC)	
412	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
413	Results (ppb)	20	20				
414			*MEAN =*	20			
415			*VARIANCE=*	0			
416		*STANDARD DEVIATION =*		0			
417		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
418		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
419		*NUMBER OF SAMPLES REQUIRED =*		0			
420							
421	**43. DIMETHYL PHTHALTE**		*MCC=*	14000000	ppb	(GB-PMC)	
422	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
423	Results (ppb)	20	20				
424			*MEAN =*	20			
425			*VARIANCE=*	0			
426		*STANDARD DEVIATION =*		0			
427		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
428		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
429		*NUMBER OF SAMPLES REQUIRED =*		0			
430							
431	**44. PHENOL**		*MCC=*	800	ppm	(GB-PMC)	
432	Sample I.D.	AREA II LAT-1	AREA II LAT-2				

	A	B	C	D	E	F	G
433	Results (ppm)	5	5				
434			*MEAN =*	5			
435			*VARIANCE=*	0			
436		*STANDARD DEVIATION =*		0			
437		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
438		*95% UPPER CONFIDENCE LEVEL =*		#NUM!			
439		*NUMBER OF SAMPLES REQUIRED =*		0			
440							
441	**45. OIL & GREASE (TPH)**		*MCC=*	2500	ppb	(GB-PMC)	
442	Sample I.D.	AREA II LAT-1	AREA II LAT-2				
443	Results (ppb)	428	348				
444			*MEAN =*	388			
445			*VARIANCE=*	3200			
446		*STANDARD DEVIATION =*		56.56854249			
447		*SINGLE-TAILED t FOR 95%, df=3 IS*		6.313748599			
448		*95% UPPER CONFIDENCE LEVEL =*		466.3984433			
449		*NUMBER OF SAMPLES REQUIRED =*		0.02859807			

STATISTICAL
CALCULATIONS
FRONT ROOM AREA
FIRST ROUND

FORMER SYNTHETIC PRODUCTS COMPANY
375 BARNUM AVE. CUT-OFF
STRATFORD, CT
HRP#SPC0004.RC

PREPARED BY: _____
DATE: _____
CHECKED BY: _____
DATE: _____

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	**1. ANTIMONY VIA MASS ANALYSIS**		*MCC=*	27	mg/kg	(Residential DEC)													
2	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
3	Results (mg/kg)	10	14	10	10	10	17	10	10	10	10	10	10	10	10	10	10	10	10
4			*MEAN =*	10.611															
5			*VARIANCE=*	3.4281															
6			*STANDARD DEVIATION =*	1.8515															
7			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
8			*95% UPPER CONFIDENCE LEVEL =*	11.466															
9			*NUMBER OF SAMPLES REQUIRED =*	0.0386															
10																			
11	**2. ARSENIC VIA MASS ANALYSIS**		*MCC=*	10	mg/kg	(Residential DEC)													
12	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
13	Results (mg/kg)	4.4	14.5	6.5	3.2	2.7	15.9	13.8	6.9	5.4	10.6	23.7	4.6	4.7	4.6	6.3	3.2	4.4	7.9
14			*MEAN =*	7.9611															
15			*VARIANCE=*	31.691															
16			*STANDARD DEVIATION =*	5.6295															
17			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
18			*95% UPPER CONFIDENCE LEVEL =*	10.562															
19			*NUMBER OF SAMPLES REQUIRED =*	23.07															
20																			
21	**3. BARIUM VIA MASS ANALYSIS**		*MCC=*	4700	mg/kg	(Residential DEC)													
22	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
23	Results (mg/kg)	21.2	282	25.8	16.6	17.9	48.8	44.8	32	60.2	255	80	37.1	32.9	265	24.9	17.6	23.1	53.8
24			*MEAN =*	74.372															
25			*VARIANCE=*	8186.8															
26			*STANDARD DEVIATION =*	90.481															
27			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
28			*95% UPPER CONFIDENCE LEVEL =*	116.17															
29			*NUMBER OF SAMPLES REQUIRED =*	0.0012															
30																			
31	**4. CADMIUM VIA MASS ANALYSIS**		*MCC=*	34	mg/kg	(Residential DEC)													
32	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
33	Results (mg/kg)	0.5	57.6	0.5	0.5	0.5	24.1	1.1	0.5	0.5	0.5	0.5	1.1	0.8	116	0.5	0.5	0.5	3.3
34			*MEAN =*	11.639															
35			*VARIANCE=*	878.41															
36			*STANDARD DEVIATION =*	29.638															
37			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
38			*95% UPPER CONFIDENCE LEVEL =*	25.331															
39			*NUMBER OF SAMPLES REQUIRED =*	5.3163															
40																			
41	**5. CHROMIUM, TOT. VIA MASS ANALYSIS**		*MCC=*	3900	mg/kg	(Residential DEC)													

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PREPARED BY: _____
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
42	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
43	Results (mg/kg)	8.1	10.8	9.2	6.5	5.5	14.7	19.5	12.4	31.7	13.4	13.6	10.8	13.5	15.2	10.4	8.3	11.3	31.7
44			*MEAN =*	13.7															
45			*VARIANCE=*	54.12															
46			*STANDARD DEVIATION =*	7.3566															
47			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
48			*95% UPPER CONFIDENCE LEVEL =*	17.099															
49			*NUMBER OF SAMPLES REQUIRED =*	1E-05															
50																			
51	**6. COBALT VIA MASS ANALYSIS**		*MCC=*	4064	mg/kg	(Residential DEC)													
52	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
53	Results (mg/kg)	0.2	0.2	0.2	0.2	0.2	6	10	7	9	7	10	5	8	5	5	4	4	11
54			*MEAN =*	5.1111															
55			*VARIANCE=*	13.94															
56			*STANDARD DEVIATION =*	3.7336															
57			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
58			*95% UPPER CONFIDENCE LEVEL =*	6.8359															
59			*NUMBER OF SAMPLES REQUIRED =*	3E-06															
60																			
61	**7. COPPER VIA MASS ANALYSIS**		*MCC=*	2500	mg/kg	(Residential DEC)													
62	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
63	Results (mg/kg)	6.5	74.4	9.8	7.9	9.4	22.9	20.4	9.6	51.5	23.3	37.4	20.5	26.3	14.1	8.2	11.7	7.4	6380
64			*MEAN =*	374.52															
65			*VARIANCE=*	2E+06															
66			*STANDARD DEVIATION =*	1498.9															
67			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
68			*95% UPPER CONFIDENCE LEVEL =*	1066.9															
69			*NUMBER OF SAMPLES REQUIRED =*	1.5049															
70																			
71	**8. LEAD VIA MASS ANALYSIS**		*MCC=*	500	mg/kg	(Residential DEC)													
72	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
73	Results (mg/kg)	7.2	130	12.6	5.9	4.5	6.7	6.1	9.3	66.2	45.2	15.2	33.7	31	8.1	11.7	4.3	5.5	785
74			*MEAN =*	66.011															
75			*VARIANCE=*	33184															
76			*STANDARD DEVIATION =*	182.16															
77			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
78			*95% UPPER CONFIDENCE LEVEL =*	150.17															
79			*NUMBER OF SAMPLES REQUIRED =*	0.5332															
80																			
81	**9. MERCURY VIA MASS ANALYSIS**		*MCC=*	20	mg/kg	(Residential DEC)													
82	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
83	Results (mg/kg)	0.03	0.53	0.03	0.08	0.04	0.07	0.1	0.27	12.8	0.08	0.04	0.13	0.15	0.37	0.02	0.02	0.04	0.13
84			*MEAN =*	0.8294															
85			*VARIANCE=*	8.9434															
86			*STANDARD DEVIATION =*	2.9906															
87			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
88			*95% UPPER CONFIDENCE LEVEL =*	2.211															
89			*NUMBER OF SAMPLES REQUIRED =*	0.0736															
90																			
91	**10. NICKEL VIA MASS ANALYSIS**		*MCC=*	1400	mg/kg	(Residential DEC)													
92	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
93	Results (mg/kg)	7.5	9.7	9.4	7.2	7.4	19.2	23.6	10	27.4	10.9	14.8	6.9	7.6	11.1	8.7	8	7.9	139
94			*MEAN =*	18.683															
95			*VARIANCE=*	936.94															
96			*STANDARD DEVIATION =*	30.609															
97			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
98			*95% UPPER CONFIDENCE LEVEL =*	32.824															
99			*NUMBER OF SAMPLES REQUIRED =*	0.0015															
100																			
101	**11. SILVER VIA MASS ANALYSIS**		*MCC=*	340	mg/kg	(Residential DEC)													
102	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
103	Results (mg/kg)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
104			*MEAN =*	0.2															
105			*VARIANCE=*	7E-18															
106			*STANDARD DEVIATION =*	3E-09															
107			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
108			*95% UPPER CONFIDENCE LEVEL =*	0.2															
109			*NUMBER OF SAMPLES REQUIRED =*	2E-22															
110																			
111	**12. TIN VIA MASS ANALYSIS**		*MCC=*	40645	mg/kg	(Residential DEC)													
112	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
113	Results (mg/kg)	20	80	20	20	20	110	20	20	210	80	20	20	20	90	20	20	20	300
114			*MEAN =*	61.667															
115			*VARIANCE=*	6085.3															
116			*STANDARD DEVIATION =*	78.008															
117			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
118			*95% UPPER CONFIDENCE LEVEL =*	97.704															
119			*NUMBER OF SAMPLES REQUIRED =*	1E-05															
120																			
121	**13. VANADIUM VIA MASS ANALYSIS**		*MCC=*	470	mg/kg	(Residential DEC)													
122	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
123	Results (mg/kg)	19.4	17.3	21.3	13.5	12.2	22.9	26.5	17.6	31.7	21.7	21.8	14	16.8	18.4	20	13	20.9	6.9

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
124			*MEAN =*	18.661															
125			*VARIANCE=*	32.343															
126			*STANDARD DEVIATION =*	5.687															
127			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
128			*95% UPPER CONFIDENCE LEVEL =*	21.288															
129			*NUMBER OF SAMPLES REQUIRED =*	0.0005															
130																			
131	**14. ZINC VIA MASS ANALYSIS**		*MCC=*	20000	mg/kg	(Residential DEC)													
132	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
133	Results (mg/kg)	23.7	238	44.7	28	68.3	48.2	50.7	38.8	1135	116	57.5	109	106	490	35.2	79.6	204	2230
134			*MEAN =*	283.48															
135			*VARIANCE=*	306754															
136			*STANDARD DEVIATION =*	553.85															
137			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
138			*95% UPPER CONFIDENCE LEVEL =*	539.35															
139			*NUMBER OF SAMPLES REQUIRED =*	0.0024															
140																			
141	**15. ANTIMONY VIA SPLP**		*MCC=*	0.06	mg/l	(GB-PMC)													
142	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
143	Results (mg/l)	0.006	0.14	0.006	0.006	0.006	0.54	0.006	0.006	0.006	0.055	0.006	0.011	0.006	0.38	0.006	0.006	0.006	0.017
144			*MEAN =*	0.0675															
145			*VARIANCE=*	0.0222															
146			*STANDARD DEVIATION =*	0.149															
147			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
148			*95% UPPER CONFIDENCE LEVEL =*	0.1363															
149			*NUMBER OF SAMPLES REQUIRED =*	1194.5															
150																			
151	**16. ARSENIC VIA SPLP**		*MCC=*	0.5	mg/l	(GB-PMC)													
152	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
153	Results (mg/l)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.13	0.05	0.05	0.05	0.05	0.05	0.05	0.05
154			*MEAN =*	0.0544															
155			*VARIANCE=*	0.0004															
156			*STANDARD DEVIATION =*	0.0189															
157			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
158			*95% UPPER CONFIDENCE LEVEL =*	0.0632															
159			*NUMBER OF SAMPLES REQUIRED =*	0.0054															
160																			
161	**17. BARIUM VIA SPLP**		*MCC=*	10	mg/l	(GB-PMC)													
162	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
163	Results (mg/l)	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.5	0.7	1.3	0.5	0.5	0.5	0.9	0.5
164			*MEAN =*	0.5944															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
165			*VARIANCE=*	0.0429															
166			*STANDARD DEVIATION =*	0.2071															
167			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
168			*95% UPPER CONFIDENCE LEVEL =*	0.6901															
169			*NUMBER OF SAMPLES REQUIRED =*	0.0015															
170																			
171	**18. CADMIUM VIA SPLP**		*MCC=*	0.05	mg/l	(GB-PMC)													
172	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
173	Results (mg/l)	0.005	0.005	0.005	0.005	0.005	0.007	0.005	0.005	0.005	0.021	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
174			*MEAN =*	0.006															
175			*VARIANCE=*	1E-05															
176			*STANDARD DEVIATION =*	0.0038															
177			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
178			*95% UPPER CONFIDENCE LEVEL =*	0.0077															
179			*NUMBER OF SAMPLES REQUIRED =*	0.0223															
180																			
181	**19. CHROMIUM, TOTAL VIA SPLP**		*MCC=*	0.5	mg/l	(GB-PMC)													
182	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
183	Results (mg/l)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
184			*MEAN =*	0.05															
185			*VARIANCE=*	4E-19															
186			*STANDARD DEVIATION =*	6E-10															
187			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
188			*95% UPPER CONFIDENCE LEVEL =*	0.05															
189			*NUMBER OF SAMPLES REQUIRED =*	6E-18															
190																			
191	**20. COBALT VIA SPLP**		*MCC=*	4.2	mg/l	(GB-PMC)													
192	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
193	Results (mg/l)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
194			*MEAN =*	0.1															
195			*VARIANCE=*	2E-18															
196			*STANDARD DEVIATION =*	1E-09															
197			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
198			*95% UPPER CONFIDENCE LEVEL =*	0.1															
199			*NUMBER OF SAMPLES REQUIRED =*	3E-19															
200																			
201	**21. COPPER VIA SPLP**		*MCC=*	13	mg/l	(GB-PMC)													
202	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
203	Results (mg/l)	0.01	0.02	0.01	0.02	0.01	0.04	0.01	0.01	0.01	0.03	0.02	0.07	0.08	0.01	0.01	0.02	0.02	0.41
204			*MEAN =*	0.045															
205			*VARIANCE=*	0.0087															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
206	*STANDARD DEVIATION =*			0.0934															
207	*SINGLE-TAILED t FOR 95%, df=3 IS*			1.7396															
208	*95% UPPER CONFIDENCE LEVEL =*			0.0881															
209	*NUMBER OF SAMPLES REQUIRED =*			0.0002															
210																			
211	**22. LEAD VIA SPLP**		*MCC=*	0.15	mg/l	(GB-PMC)													
212	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
213	Results (mg/l)	0.005	0.067	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.056	0.072	0.01	0.005	0.005	0.005	0.264
214			*MEAN =*	0.0297															
215			*VARIANCE=*	0.0039															
216	*STANDARD DEVIATION =*			0.0628															
217	*SINGLE-TAILED t FOR 95%, df=3 IS*			1.7396															
218	*95% UPPER CONFIDENCE LEVEL =*			0.0587															
219	*NUMBER OF SAMPLES REQUIRED =*			0.8248															
220																			
221	**23. MERCURY VIA SPLP**		*MCC=*	0.02	mg/l	(GB-PMC)													
222	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
223	Results (mg/l)	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
224			*MEAN =*	0.011															
225			*VARIANCE=*	9E-05															
226	*STANDARD DEVIATION =*			0.0093															
227	*SINGLE-TAILED t FOR 95%, df=3 IS*			1.7396															
228	*95% UPPER CONFIDENCE LEVEL =*			0.0153															
229	*NUMBER OF SAMPLES REQUIRED =*			3.2042															
230																			
231	**24. NICKEL VIA SPLP**		*MCC=*	1	mg/l	(GB-PMC)													
232	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
233	Results (mg/l)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
234			*MEAN =*	0.05															
235			*VARIANCE=*	4E-19															
236	*STANDARD DEVIATION =*			6E-10															
237	*SINGLE-TAILED t FOR 95%, df=3 IS*			1.7396															
238	*95% UPPER CONFIDENCE LEVEL =*			0.05															
239	*NUMBER OF SAMPLES REQUIRED =*			1E-18															
240																			
241	**25. SILVER VIA SPLP**		*MCC=*	0.36	mg/l	(GB-PMC)													
242	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
243	Results (mg/l)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
244			*MEAN =*	0.01															
245			*VARIANCE=*	1E-20															
246	*STANDARD DEVIATION =*			1E-10															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
247	*SINGLE-TAILED t FOR 95%, df=3 IS*			1.7396															
248	*95% UPPER CONFIDENCE LEVEL =*			0.01															
249	*NUMBER OF SAMPLES REQUIRED =*			3E-19															
250																			
251	**26. TIN VIA SPLP**		*MCC=*	42	mg/l	(GB-PMC)													
252	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
253	Results (mg/l)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
254			*MEAN =*	0.5															
255			*VARIANCE=*	0															
256	*STANDARD DEVIATION =*			0															
257	*SINGLE-TAILED t FOR 95%, df=3 IS*			1.7396															
258	*95% UPPER CONFIDENCE LEVEL =*			#NUM!															
259	*NUMBER OF SAMPLES REQUIRED =*			0															
260																			
261	**27. VANADIUM VIA SPLP**		*MCC=*	0.5	mg/l	(GB-PMC)													
262	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
263	Results (mg/l)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
264			*MEAN =*	0.1															
265			*VARIANCE=*	2E-18															
266	*STANDARD DEVIATION =*			1E-09															
267	*SINGLE-TAILED t FOR 95%, df=3 IS*			1.7396															
268	*95% UPPER CONFIDENCE LEVEL =*			0.1															
269	*NUMBER OF SAMPLES REQUIRED =*			3E-17															
270																			
271	**28. ZINC VIA SPLP**		*MCC=*	50	mg/l	(GB-PMC)													
272	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
273	Results (mg/l)	0.06	0.5	0.23	0.11	0.13	0.05	0.05	0.05	0.11	0.18	0.05	0.08	0.11	0.05	0.17	0.07	0.38	0.23
274			*MEAN =*	0.145															
275			*VARIANCE=*	0.0155															
276	*STANDARD DEVIATION =*			0.1245															
277	*SINGLE-TAILED t FOR 95%, df=3 IS*			1.7396															
278	*95% UPPER CONFIDENCE LEVEL =*			0.2025															
279	*NUMBER OF SAMPLES REQUIRED =*			2E-05															
280																			
281	**29. BIS(2-ETHYLHEXYL)PHTHLATE**		*MCC=*	44000	ppb	(Residential DEC)													
282	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
283	Results (ppb)	20	1611	20	20	20	37775	345	20	20	1205	10	33	32	3306	10	10	10	46
284			*MEAN =*	2472.9															
285			*VARIANCE=*	8E+07															
286	*STANDARD DEVIATION =*			8851.6															
287	*SINGLE-TAILED t FOR 95%, df=3 IS*			1.7396															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
288	*95% UPPER CONFIDENCE LEVEL =*			6562.1															
289	*NUMBER OF SAMPLES REQUIRED =*			0.1375															
290																			
291	**30. DI-N-BUTYL PHTHLATE**		*MCC=*	1E+06	ppb	(Residential DEC)													
292	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
293	Results (ppb)	20	13186	20	20	20	13490	20	20	20	3654	10	157	174	9390	10	10	10	10
294			*MEAN =*	2235.6															
295			*VARIANCE=*	2E+07															
296	*STANDARD DEVIATION =*			4649.3															
297	*SINGLE-TAILED t FOR 95%, df=3 IS*			1.7396															
298	*95% UPPER CONFIDENCE LEVEL =*			4383.4															
299	*NUMBER OF SAMPLES REQUIRED =*			7E-05															
300																			
301	**31. DI-N-OCTYL PHTHLATE**		*MCC=*	1E+06	ppb	(Residential DEC)													
302	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
303	Results (ppb)	20	20	20	20	20	20	20	20	20	10	10	10	10	10	10	10	10	10
304			*MEAN =*	15															
305			*VARIANCE=*	26.471															
306	*STANDARD DEVIATION =*			5.145															
307	*SINGLE-TAILED t FOR 95%, df=3 IS*			1.7396															
308	*95% UPPER CONFIDENCE LEVEL =*			17.377															
309	*NUMBER OF SAMPLES REQUIRED =*			8E-11															
310																			
311	**32. DIMETHYL PHTHALTE**		*MCC=*	7E+08	ppb	(Residential DEC)													
312	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
313	Results (ppb)	20	20	20	20	20	20	20	20	20	10	10	10	10	438	10	10	10	10
314			*MEAN =*	38.778															
315			*VARIANCE=*	9951.6															
316	*STANDARD DEVIATION =*			99.758															
317	*SINGLE-TAILED t FOR 95%, df=3 IS*			1.7396															
318	*95% UPPER CONFIDENCE LEVEL =*			84.863															
319	*NUMBER OF SAMPLES REQUIRED =*			7E-14															
320																			
321	**33. PHENOL**		*MCC=*	1000	ppm	(Residential DEC)													
322	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
323	Results (ppm)	1	1	1	1	1	452	1	1	1	952	1	14.8	17.6	1425	1	9.6	1	1
324			*MEAN =*	160.17															
325			*VARIANCE=*	157653															
326	*STANDARD DEVIATION =*			397.06															
327	*SINGLE-TAILED t FOR 95%, df=3 IS*			1.7396															
328	*95% UPPER CONFIDENCE LEVEL =*			343.59															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
329	*NUMBER OF SAMPLES REQUIRED =*			0.6764															
330																			
331	**34. OIL & GREASE (TPH)**		*MCC=*	500	ppb	(Residential DEC)													
332	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
333	Results (ppb)	25	2600	25	25	25	6160	40	25	56	18356	44	168	508	14300	25	48	25	392
334			*MEAN =*	2380.4															
335			*VARIANCE=*	3E+07															
336			*STANDARD DEVIATION =*	5339.1															
337			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
338			*95% UPPER CONFIDENCE LEVEL =*	4846.9															
339			*NUMBER OF SAMPLES REQUIRED =*	24.397															
340																			
341	**35. 2-BUTANONE (MEK)**		*MCC=*	500000	ppb	(Residential DEC)													
342	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
343	Results (ppb)	10	165	10	10	10	10	10	10	10	115	10	235	340	972	10	10	10	128
344			*MEAN =*	115.28															
345			*VARIANCE=*	54967															
346			*STANDARD DEVIATION =*	234.45															
347			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
348			*95% UPPER CONFIDENCE LEVEL =*	223.59															
349			*NUMBER OF SAMPLES REQUIRED =*	7E-07															
350																			
351	**36. BENZENE**		*MCC=*	21000	ppb	(Residential DEC)													
352	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
353	Results (ppb)	10	17	25	10	10	10	10	10	10	21	10	121	133	239	42	10	153	37
354			*MEAN =*	48.778															
355			*VARIANCE=*	4436.5															
356			*STANDARD DEVIATION =*	66.607															
357			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
358			*95% UPPER CONFIDENCE LEVEL =*	79.548															
359			*NUMBER OF SAMPLES REQUIRED =*	3E-05															
360																			
361	**37. 4-METHYL-2-PENTANONE (MIBK)**		*MCC=*	500000	ppb	(Residential DEC)													
362	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
363	Results (ppb)	10	34	10	10	10	64	10	10	10	43	10	10	10	59	10	10	10	10
364			*MEAN =*	18.889															
365			*VARIANCE=*	327.05															
366			*STANDARD DEVIATION =*	18.084															
367			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
368			*95% UPPER CONFIDENCE LEVEL =*	27.243															
369			*NUMBER OF SAMPLES REQUIRED =*	4E-09															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
370																			
371	**38. TOLUENE**		*MCC=*	500000	ppb	(Residential DEC)													
372	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
373	Results (ppb)	10	1639	10	10	10	10	10	10	10	402	10	17	10	9036	10	10	10	13
374			*MEAN =*	624.28															
375			*VARIANCE=*	5E+06															
376			*STANDARD DEVIATION =*	2134.9															
377			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
378			*95% UPPER CONFIDENCE LEVEL =*	1610.5															
379			*NUMBER OF SAMPLES REQUIRED =*	6E-05															
380																			
381	**39. ETHYLBENZENE**		*MCC=*	500000	ppb	(Residential DEC)													
382	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
383	Results (ppb)	10	12	10	10	10	10	10	10	10	10	10	10	10	15	10	10	10	10
384			*MEAN =*	10.389															
385			*VARIANCE=*	1.5458															
386			*STANDARD DEVIATION =*	1.2433															
387			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
388			*95% UPPER CONFIDENCE LEVEL =*	10.963															
389			*NUMBER OF SAMPLES REQUIRED =*	2E-11															
390																			
391	**40. P/M XYLENES**		*MCC=*	500000	ppb	(Residential DEC)													
392	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
393	Results (ppb)	10	51	10	10	10	10	10	10	10	26	10	10	10	29	10	10	12	10
394			*MEAN =*	14.333															
395			*VARIANCE=*	115.53															
396			*STANDARD DEVIATION =*	10.748															
397			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
398			*95% UPPER CONFIDENCE LEVEL =*	19.299															
399			*NUMBER OF SAMPLES REQUIRED =*	1E-09															
400																			
401	**41. O-XYLENE**		*MCC=*	500000	ppb	(Residential DEC)													
402	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
403	Results (ppb)	10	20	10	10	10	10	10	10	10	10	10	10	10	14	10	10	10	10
404			*MEAN =*	10.778															
405			*VARIANCE=*	6.183															
406			*STANDARD DEVIATION =*	2.4866															
407			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
408			*95% UPPER CONFIDENCE LEVEL =*	11.926															
409			*NUMBER OF SAMPLES REQUIRED =*	7E-11															
410																			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
411	**42. STYRENE**		*MCC=*	20000	ppb	(Residential DEC)													
412	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
413	Results (ppb)	10	32	10	10	10	10	10	10	10	10	10	10	10	20	10	10	10	10
414			*MEAN =*	11.778															
415			*VARIANCE=*	31.007															
416			*STANDARD DEVIATION =*	5.5684															
417			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
418			*95% UPPER CONFIDENCE LEVEL =*	14.35															
419			*NUMBER OF SAMPLES REQUIRED =*	2E-07															
420																			
421	**43. 2-HEXANONE (MBK)**		*MCC=*	500000	ppb	(Residential DEC)													
422	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
423	Results (ppb)	10	10	10	10	10	10	10	10	10	43	10	28	37	33	10	10	10	10
424			*MEAN =*	15.611															
425			*VARIANCE=*	123.78															
426			*STANDARD DEVIATION =*	11.126															
427			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
428			*95% UPPER CONFIDENCE LEVEL =*	20.751															
429			*NUMBER OF SAMPLES REQUIRED =*	1E-09															
430																			
431	**44. METHYL CHLORIDE**		*MCC=*	500000	ppb	(Residential DEC)													
432	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
433	Results (ppb)	10	10	10	10	10	10	10	10	10	10	10	10	10	21	10	10	10	14
434			*MEAN =*	10.833															
435			*VARIANCE=*	7.3235															
436			*STANDARD DEVIATION =*	2.7062															
437			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
438			*95% UPPER CONFIDENCE LEVEL =*	12.084															
439			*NUMBER OF SAMPLES REQUIRED =*	9E-11															
440																			
441	**45. BIS(2-ETHYLHEXYL)PHTHLATE**		*MCC=*	11000	ppb														
442	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
443	Results (ppb)	20	1611	20	20	20	37775	345	20	20	1205	10	33	32	3306	10	10	10	46
444			*MEAN =*	2472.9															
445			*VARIANCE=*	8E+07															
446			*STANDARD DEVIATION =*	8851.6															
447			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
448			*95% UPPER CONFIDENCE LEVEL =*	6562.1															
449			*NUMBER OF SAMPLES REQUIRED =*	3.261															
450																			
451	**46. DI-N-BUTYL PHTHLATE**		*MCC=*	140000	ppb	(GB-PMC)													

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
452	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
453	Results (ppb)	20	13186	20	20	20	13490	20	20	20	3654	10	157	174	9390	10	10	10	10
454			*MEAN =*	2235.6															
455			*VARIANCE=*	2E+07															
456			*STANDARD DEVIATION =*	4649.3															
457			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
458			*95% UPPER CONFIDENCE LEVEL =*	4383.4															
459			*NUMBER OF SAMPLES REQUIRED =*	0.0034															
460																			
461	**47. DI-N-OCTYL PHTHLATE**		*MCC=*	20000	ppb	(GB-PMC)													
462	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
463	Results (ppb)	20	20	20	20	20	20	20	20	20	10	10	10	10	10	10	10	10	10
464			*MEAN =*	15															
465			*VARIANCE=*	26.471															
466			*STANDARD DEVIATION =*	5.145															
467			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
468			*95% UPPER CONFIDENCE LEVEL =*	17.377															
469			*NUMBER OF SAMPLES REQUIRED =*	2E-07															
470																			
471	**48. DIMETHYL PHTHALTE**		*MCC=*	1E+07	ppb	(GB-PMC)													
472	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
473	Results (ppb)	20	20	20	20	20	20	20	20	20	10	10	10	10	438	10	10	10	10
474			*MEAN =*	38.778															
475			*VARIANCE=*	9951.6															
476			*STANDARD DEVIATION =*	99.758															
477			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
478			*95% UPPER CONFIDENCE LEVEL =*	84.863															
479			*NUMBER OF SAMPLES REQUIRED =*	2E-10															
480																			
481	**49. PHENOL**		*MCC=*	800	ppm	(GB-PMC)													
482	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
483	Results (ppm)	1	1	1	1	1	452	1	1	1	952	1	14.8	17.6	1425	1	9.6	1	1
484			*MEAN =*	160.17															
485			*VARIANCE=*	157653															
486			*STANDARD DEVIATION =*	397.06															
487			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
488			*95% UPPER CONFIDENCE LEVEL =*	343.59															
489			*NUMBER OF SAMPLES REQUIRED =*	1.1654															
490																			
491	**50. OIL & GREASE (TPH)**		*MCC=*	2500	ppb	(GB-PMC)													
492	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
493	Results (ppb)	25	2600	25	25	25	6160	40	25	56	18356	44	168	508	14300	25	48	25	392
494			*MEAN =*	2380.4															
495			*VARIANCE=*	3E+07															
496			*STANDARD DEVIATION =*	5339.1															
497			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
498			*95% UPPER CONFIDENCE LEVEL =*	4846.9															
499			*NUMBER OF SAMPLES REQUIRED =*	6029.7															
500																			
501	**51. 2-BUTANONE (MEK)**		*MCC=*	80000	ppb	(GB-PMC)													
502	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
503	Results (ppb)	10	165	10	10	10	10	10	10	10	115	10	235	340	972	10	10	10	128
504			*MEAN =*	115.28															
505			*VARIANCE=*	54967															
506			*STANDARD DEVIATION =*	234.45															
507			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
508			*95% UPPER CONFIDENCE LEVEL =*	223.59															
509			*NUMBER OF SAMPLES REQUIRED =*	3E-05															
510																			
511	**52. BENZENE**		*MCC=*	200	ppb	(GB-PMC)													
512	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
513	Results (ppb)	10	17	25	10	10	10	10	10	10	21	10	121	133	239	42	10	153	37
514			*MEAN =*	48.778															
515			*VARIANCE=*	4436.5															
516			*STANDARD DEVIATION =*	66.607															
517			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
518			*95% UPPER CONFIDENCE LEVEL =*	79.548															
519			*NUMBER OF SAMPLES REQUIRED =*	0.5871															
520																			
521	**53. 4-METHYL-2-PENTANONE (MIBK)**		*MCC=*	14000	ppb	(GB-PMC)													
522	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
523	Results (ppb)	10	34	10	10	10	64	10	10	10	43	10	10	10	59	10	10	10	10
524			*MEAN =*	18.889															
525			*VARIANCE=*	327.05															
526			*STANDARD DEVIATION =*	18.084															
527			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
528			*95% UPPER CONFIDENCE LEVEL =*	27.243															
529			*NUMBER OF SAMPLES REQUIRED =*	5E-06															
530																			
531	**54. TOLUENE**		*MCC=*	67000	ppb	(GB-PMC)													
532	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
533	Results (ppb)	10	1639	10	10	10	10	10	10	10	402	10	17	10	9036	10	10	10	13

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
534			*MEAN =*	624.28															
535			*VARIANCE=*	5E+06															
536			*STANDARD DEVIATION =*	2134.9															
537			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
538			*95% UPPER CONFIDENCE LEVEL =*	1610.5															
539			*NUMBER OF SAMPLES REQUIRED =*	0.0031															
540																			
541	**55. ETHYLBENZENE**		*MCC=*	10100	ppb	(GB-PMC)													
542	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
543	Results (ppb)	10	12	10	10	10	10	10	10	10	10	10	10	10	15	10	10	10	10
544			*MEAN =*	10.389															
545			*VARIANCE=*	1.5458															
546			*STANDARD DEVIATION =*	1.2433															
547			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
548			*95% UPPER CONFIDENCE LEVEL =*	10.963															
549			*NUMBER OF SAMPLES REQUIRED =*	5E-08															
550																			
551	**56. P/M XYLENES**		*MCC=*	19500	ppb	(GB-PMC)													
552	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
553	Results (ppb)	10	51	10	10	10	10	10	10	10	26	10	10	10	29	10	10	12	10
554			*MEAN =*	14.333															
555			*VARIANCE=*	115.53															
556			*STANDARD DEVIATION =*	10.748															
557			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
558			*95% UPPER CONFIDENCE LEVEL =*	19.299															
559			*NUMBER OF SAMPLES REQUIRED =*	9E-07															
560																			
561	**57. O-XYLENE**		*MCC=*	19500	ppb	(GB-PMC)													
562	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
563	Results (ppb)	10	20	10	10	10	10	10	10	10	10	10	10	10	14	10	10	10	10
564			*MEAN =*	10.778															
565			*VARIANCE=*	6.183															
566			*STANDARD DEVIATION =*	2.4866															
567			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
568			*95% UPPER CONFIDENCE LEVEL =*	11.926															
569			*NUMBER OF SAMPLES REQUIRED =*	5E-08															
570																			
571	**58. STYRENE**		*MCC=*	20000	ppb	(GB-PMC)													
572	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
573	Results (ppb)	10	32	10	10	10	10	10	10	10	10	10	10	10	20	10	10	10	10
574			*MEAN =*	11.778															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
575			*VARIANCE=*	31.007															
576			*STANDARD DEVIATION =*	5.5684															
577			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
578			*95% UPPER CONFIDENCE LEVEL =*	14.35															
579			*NUMBER OF SAMPLES REQUIRED =*	2E-07															
580																			
581	**59. 2-HEXANONE (MBK)**		*MCC=*	56000	ppb	(GB-PMC)													
582	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
583	Results (ppb)	10	10	10	10	10	10	10	10	10	43	10	28	37	33	10	10	10	10
584			*MEAN =*	15.611															
585			*VARIANCE=*	123.78															
586			*STANDARD DEVIATION =*	11.126															
587			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
588			*95% UPPER CONFIDENCE LEVEL =*	20.751															
589			*NUMBER OF SAMPLES REQUIRED =*	1E-07															
590																			
591	**60. METHYL CHLORIDE**		*MCC=*	1000	ppb	(GB-PMC)													
592	Sample I.D.	FTRM1	FTRM2	FTRM3	FTRM4	FTRM5	FTRM6	FTRM7	FTRM8	FTRM9	FTRM10	FTRM11	FTRM12	FTRM13	FTRM14	FTRM15	FTRM16	FTRM17	FTRM18
593	Results (ppb)	10	10	10	10	10	10	10	10	10	10	10	10	10	21	10	10	10	14
594			*MEAN =*	10.833															
595			*VARIANCE=*	7.3235															
596			*STANDARD DEVIATION =*	2.7062															
597			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.7396															
598			*95% UPPER CONFIDENCE LEVEL =*	12.084															
599			*NUMBER OF SAMPLES REQUIRED =*	2E-05															

STATISTICAL
CALCULATIONS
FRONT ROOM AREA
SECOND ROUND

FORMER SYNTHETIC PRODUCTS COMPANY
375 BARNUM AVE. CUT-OFF
STRATFORD, CT
HRP#SPC0004.RC

PREPARED BY: _____
DATE: _____
CHECKED BY: _____
DATE: _____

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	**1. ARSENIC VIA MASS ANALYSIS**		*MCC=*	10	mg/kg	(Residential DEC)										
2	Sample I.D.	F-EXC-1	F-EXC-2	F-EXC-3	F-EXC-4	F-EXC-5	F-EXC-6	F-EXC-7	F-EXC-8	F-EXC-9	F-EXC-10	F-EXC-11	F-EXC-12	F-EXC-13	F-EXC-14	F-EXC-15
3	Results (mg/kg)	2.2	2.6	2.7	2.6	2.7	4.6	3.9	2.9	3.6	2.7	2.9	14.9	13.4	15.2	10.1
4			*MEAN =*	5.8												
5			*VARIANCE=*	24.0286												
6			*STANDARD DEVIATION =*	4.90189												
7			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.76131												
8			*95% UPPER CONFIDENCE LEVEL =*	8.28065												
9			*NUMBER OF SAMPLES REQUIRED =*	4.22572												
10																
11	**2. CADMIUM VIA MASS ANALYSIS**		*MCC=*	34	mg/kg	(Residential DEC)										
12	Sample I.D.	F-EXC-1	F-EXC-2	F-EXC-3	F-EXC-4	F-EXC-5	F-EXC-6	F-EXC-7	F-EXC-8	F-EXC-9	F-EXC-10	F-EXC-11	F-EXC-12	F-EXC-13	F-EXC-14	F-EXC-15
13	Results (mg/kg)	22	200	0.5	0.5	0.5	10.8	0.5	39	1.6	0.5	0.5	0.5	0.5	0.5	0.9
14			*MEAN =*	18.5867												
15			*VARIANCE=*	2638.95												
16			*STANDARD DEVIATION =*	51.3707												
17			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.76131												
18			*95% UPPER CONFIDENCE LEVEL =*	44.5833												
19			*NUMBER OF SAMPLES REQUIRED =*	34.4595												
20																
21	**3. COPPER VIA MASS ANALYSIS**		*MCC=*	2500	mg/kg	(Residential DEC)										
22	Sample I.D.	F-EXC-3	F-EXC-4	F-EXC-10	F-EXC-11	F-EXC-15										
23	Results (mg/kg)	8.6	12.3	8	11.6	2500										
24			*MEAN =*	10.125												
25			*VARIANCE=*	4.5825												
26			*STANDARD DEVIATION =*	2.14068												
27			*SINGLE-TAILED t FOR 95%, df=3 IS*	2.35336												
28			*95% UPPER CONFIDENCE LEVEL =*	12.2228												
29			*NUMBER OF SAMPLES REQUIRED =*	4.1E-06												
30																
31	**4. LEAD VIA MASS ANALYSIS**		*MCC=*	500	mg/kg	(Residential DEC)										
32	Sample I.D.	F-EXC-1	F-EXC-2	F-EXC-3	F-EXC-4	F-EXC-5	F-EXC-6	F-EXC-7	F-EXC-8	F-EXC-9	F-EXC-10	F-EXC-11	F-EXC-12	F-EXC-13	F-EXC-14	F-EXC-15
33	Results (mg/kg)	11.7	20.8	12.8	8.7	11.6	14.9	18.9	12	9.7	10.4	7.1	8.8	10.2	8.5	15.3
34			*MEAN =*	12.0933												
35			*VARIANCE=*	15.2564												
36			*STANDARD DEVIATION =*	3.90594												
37			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.76131												
38			*95% UPPER CONFIDENCE LEVEL =*	14.07												
39			*NUMBER OF SAMPLES REQUIRED =*	0.0002												

STATISTICAL
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SECOND ROUND

FORMER SYNTHETIC PRODUCTS COMPANY
375 BARNUM AVE. CUT-OFF
STRATFORD, CT
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PREPARED BY: _____
DATE: _____
CHECKED BY: _____
DATE: _____

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
40																
41	**5. ANTIMONY VIA SPLP**		*MCC=*	0.06	mg/l	(GB-PMC)										
42	Sample I.D.	F-EXC-1	F-EXC-2	F-EXC-3	F-EXC-4	F-EXC-5	F-EXC-6	F-EXC-7	F-EXC-8	F-EXC-9	F-EXC-10	F-EXC-11	F-EXC-12	F-EXC-13	F-EXC-14	F-EXC-15
43	Results (mg/l)	0.064	0.128	0.006	0.006	0.006	0.006	0.006	0.008	0.006	0.006	0.006	0.019	0.06	0.06	0.032
44			*MEAN =*	0.02793												
45			*VARIANCE=*	0.00127												
46			*STANDARD DEVIATION =*	0.03557												
47			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.76131												
48			*95% UPPER CONFIDENCE LEVEL =*	0.04593												
49			*NUMBER OF SAMPLES REQUIRED =*	3.81703												
50																
51	**6. LEAD VIA SPLP**		*MCC=*	0.15	mg/l	(GB-PMC)										
52	Sample I.D.	F-EXC-1	F-EXC-2	F-EXC-3	F-EXC-4	F-EXC-5	F-EXC-6	F-EXC-7	F-EXC-8	F-EXC-9	F-EXC-10	F-EXC-11	F-EXC-12	F-EXC-13	F-EXC-14	F-EXC-15
53	Results (mg/l)	0.005	0.005	0.005	0.005	0.006	0.009	0.005	0.008	0.005	0.006	0.006	0.005	0.005	0.005	0.005
54			*MEAN =*	0.00567												
55			*VARIANCE=*	1.5E-06												
56			*STANDARD DEVIATION =*	0.00123												
57			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.76131												
58			*95% UPPER CONFIDENCE LEVEL =*	0.00629												
59			*NUMBER OF SAMPLES REQUIRED =*	0.00023												
60																
61	**7. OIL & GREASE (TPH)**		*MCC=*	500	ppm	(Residential DEC)										
62	Sample I.D.	F-EXC-1	F-EXC-2	F-EXC-3	F-EXC-4	F-EXC-5	F-EXC-6	F-EXC-7	F-EXC-8	F-EXC-9	F-EXC-10	F-EXC-11	F-EXC-12	F-EXC-13	F-EXC-14	F-EXC-15
63	Results (ppm)	6860	16100	196	48	25	40	25	29700	6700	72	100	76	64	52	108
64			*MEAN =*	4011.07												
65			*VARIANCE=*	7.1E+07												
66			*STANDARD DEVIATION =*	8417.68												
67			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.76131												
68			*95% UPPER CONFIDENCE LEVEL =*	8270.92												
69			*NUMBER OF SAMPLES REQUIRED =*	17.8311												
70																
71	**8. BENZENE**		*MCC=*	21000	ppb	(Residential DEC)										
72	Sample I.D.	F-EXC-1	F-EXC-2	F-EXC-3	F-EXC-4	F-EXC-8										
73	Results (ppb)	981	100	100	100	736										
74			*MEAN =*	403.4												
75			*VARIANCE=*	180100												
76			*STANDARD DEVIATION =*	424.382												
77			*SINGLE-TAILED t FOR 95%, df=3 IS*	2.13185												
78			*95% UPPER CONFIDENCE LEVEL =*	775.38												

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
79	*NUMBER OF SAMPLES REQUIRED =*			0.00193												
80																
81	**8. BIS(2-ETHYLHEXYL)PHTHLATE**		*MCC=*	11000	ppb	(Residential DEC)										
82	Sample I.D.	F-EXC-12	F-EXC-13	F-EXC-14	F-EXC-15											
83	Results (ppb)	53	124	166	107											
84			*MEAN =*	112.5												
85			*VARIANCE=*	2188.33												
86			*STANDARD DEVIATION =*	46.7796												
87			*SINGLE-TAILED t FOR 95%, df=3 IS*	2.35336												
88			*95% UPPER CONFIDENCE LEVEL =*	158.343												
89			*NUMBER OF SAMPLES REQUIRED =*	0.0001												
90																
91	**9. PHENOL**		*MCC=*	1000	ppm	(Residential DEC)										
92	Sample I.D.	F-EXC-1	F-EXC-2	F-EXC-3	F-EXC-4	F-EXC-8										
93	Results (ppm)	550	575	2	3	1300										
94			*MEAN =*	486												
95			*VARIANCE=*	285540												
96			*STANDARD DEVIATION =*	534.359												
97			*SINGLE-TAILED t FOR 95%, df=3 IS*	2.13185												
98			*95% UPPER CONFIDENCE LEVEL =*	954.377												
99			*NUMBER OF SAMPLES REQUIRED =*	4.91193												
100																
101	**10. OIL & GREASE (TPH)**		*MCC=*	2500	ppm	(GB-PMC)										
102	Sample I.D.	F-EXC-1	F-EXC-2	F-EXC-3	F-EXC-4	F-EXC-5	F-EXC-6	F-EXC-7	F-EXC-8	F-EXC-9	F-EXC-10	F-EXC-11	F-EXC-12	F-EXC-13	F-EXC-14	F-EXC-15
103	Results (ppm)	6860	16100	196	48	25	40	25	29700	6700	72	100	76	64	52	108
104			*MEAN =*	4011.07												
105			*VARIANCE=*	7.1E+07												
106			*STANDARD DEVIATION =*	8417.68												
107			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.76131												
108			*95% UPPER CONFIDENCE LEVEL =*	8270.92												
109			*NUMBER OF SAMPLES REQUIRED =*	96.2695												
110																
111	**11. BENZENE**		*MCC=*	200	ppb	(GB-PMC)										
112	Sample I.D.	F-EXC-1	F-EXC-2	F-EXC-3	F-EXC-4	F-EXC-8										
113	Results (ppb)	981	100	100	100	736										
114			*MEAN =*	403.4												
115			*VARIANCE=*	180100												
116			*STANDARD DEVIATION =*	424.382												
117			*SINGLE-TAILED t FOR 95%, df=3 IS*	2.13185												

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
118	*95% UPPER CONFIDENCE LEVEL =*			775.38												
119	*NUMBER OF SAMPLES REQUIRED =*			19.7844												
120																
121	**12. BIS(2-ETHYLHEXYL)PHTHLATE**		*MCC=*	44000	ppb	(GB-PMC)										
122	Sample I.D.	F-EXC-12	F-EXC-13	F-EXC-14	F-EXC-15											
123	Results (ppb)	53	124	166	107											
124			*MEAN =*	112.5												
125			*VARIANCE=*	2188.33												
126	*STANDARD DEVIATION =*			46.7796												
127	*SINGLE-TAILED t FOR 95%, df=3 IS*			2.35336												
128	*95% UPPER CONFIDENCE LEVEL =*			158.343												
129	*NUMBER OF SAMPLES REQUIRED =*			6.3E-06												
130																
131	**13. PHENOL**		*MCC=*	800	ppm	(GB-PMC)										
132	Sample I.D.	F-EXC-1	F-EXC-2	F-EXC-3	F-EXC-4	F-EXC-8										
133	Results (ppm)	550	575	2	3	1300										
134			*MEAN =*	486												
135			*VARIANCE=*	285540												
136	*STANDARD DEVIATION =*			534.359												
137	*SINGLE-TAILED t FOR 95%, df=3 IS*			2.13185												
138	*95% UPPER CONFIDENCE LEVEL =*			954.377												
139	*NUMBER OF SAMPLES REQUIRED =*			13.1619												

STATISTICAL CALCULATIONS BACK ROOM

FORMER SYNTHETIC PRODUCTS COMPANY
375 BARNUM AVE. CUT-OFF
STRATFORD, CT
HRP#SPC0004.RC

PREPARED BY: _____
DATE: _____
CHECKED BY: _____
DATE: _____

	A	B	C	D	E	F	G	H	I
1	**1. ANTIMONY VIA MASS ANALYSIS**		*MCC=*	27	mg/kg	(Residential DEC)			
2	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
3	Results (mg/kg)	10	10	10	10	10	10	10	10
4			*MEAN =*	10					
5			*VARIANCE=*	0					
6			*STANDARD DEVIATION =*	0					
7			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
8			*95% UPPER CONFIDENCE LEVEL =*	#NUM!					
9			*NUMBER OF SAMPLES REQUIRED =*	0					
10									
11	**2. ARSENIC VIA MASS ANALYSIS**		*MCC=*	10	mg/kg	(Residential DEC)			
12	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
13	Results (mg/kg)	1	1		1	1	3	1	2.7
14			*MEAN =*	1.52857					
15			*VARIANCE=*	0.82238					
16			*STANDARD DEVIATION =*	0.90685					
17			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.94318					
18			*95% UPPER CONFIDENCE LEVEL =*	2.20036					
19			*NUMBER OF SAMPLES REQUIRED =*	0.04327					
20									
21	**3. BARIUM VIA MASS ANALYSIS**		*MCC=*	4700	mg/kg	(Residential DEC)			
22	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
23	Results (mg/kg)	17	16	173	18	29	23	15	376
24			*MEAN =*	83.375					
25			*VARIANCE=*	16879.7					
26			*STANDARD DEVIATION =*	129.922					
27			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
28			*95% UPPER CONFIDENCE LEVEL =*	173.404					
29			*NUMBER OF SAMPLES REQUIRED =*	0.00284					
30									
31	**4. CADMIUM VIA MASS ANALYSIS**		*MCC=*	34	mg/kg	(Residential DEC)			
32	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
33	Results (mg/kg)	0.5	0.5	17.6	0.5	0.5	0.5	0.5	22
34			*MEAN =*	5.325					
35			*VARIANCE=*	81.2021					
36			*STANDARD DEVIATION =*	9.01122					
37			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
38			*95% UPPER CONFIDENCE LEVEL =*	11.5693					
39			*NUMBER OF SAMPLES REQUIRED =*	0.35447					
40									
41	**5. CHROMIUM, TOTAL VIA MASS ANALYSIS**		*MCC=*	3900	mg/kg	(Residential DEC)			
42	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
43	Results (mg/kg)	6.8	5.1	7	6.2	9.5	6.9	4.3	7.2
44			*MEAN =*	6.625					
45			*VARIANCE=*	2.39357					
46			*STANDARD DEVIATION =*	1.54712					
47			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
48			*95% UPPER CONFIDENCE LEVEL =*	7.69708					

	A	B	C	D	E	F	G	H	I
49			*NUMBER OF SAMPLES REQUIRED =*	5.7E-07					
50									
51	**6. COBALT VIA MASS ANALYSIS**		*MCC=*	4064	mg/kg	(Residential DEC)			
52	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
53	Results (mg/kg)	4	3	3	4	5	4	3	3.9
54			*MEAN =*	3.7375					
55			*VARIANCE=*	0.49411					
56			*STANDARD DEVIATION =*	0.70293					
57			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
58			*95% UPPER CONFIDENCE LEVEL =*	4.22459					
59			*NUMBER OF SAMPLES REQUIRED =*	1.1E-07					
60									
61	**7. COPPER VIA MASS ANALYSIS**		*MCC=*	2500	mg/kg	(Residential DEC)			
62	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
63	Results (mg/kg)	6.1	7	7.4	6.4	9.3	7.6	7.5	9
64			*MEAN =*	7.5375					
65			*VARIANCE=*	1.27411					
66			*STANDARD DEVIATION =*	1.12876					
67			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
68			*95% UPPER CONFIDENCE LEVEL =*	8.31968					
69			*NUMBER OF SAMPLES REQUIRED =*	7.4E-07					
70									
71	**8. LEAD VIA MASS ANALYSIS**		*MCC=*	500	mg/kg	(Residential DEC)			
72	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
73	Results (mg/kg)	4.4	4.5	5.8	6.3	27.6	26.9	3.4	8.2
74			*MEAN =*	10.8875					
75			*VARIANCE=*	104.116					
76			*STANDARD DEVIATION =*	10.2037					
77			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
78			*95% UPPER CONFIDENCE LEVEL =*	17.9582					
79			*NUMBER OF SAMPLES REQUIRED =*	0.00156					
80									
81	**9. MERCURY VIA MASS ANALYSIS**		*MCC=*	20	mg/kg	(Residential DEC)			
82	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
83	Results (mg/kg)	0.02	0.02	0.02	0.02	0.02	0.04	0.02	0.02
84			*MEAN =*	0.0225					
85			*VARIANCE=*	5E-05					
86			*STANDARD DEVIATION =*	0.00707					
87			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
88			*95% UPPER CONFIDENCE LEVEL =*	0.0274					
89			*NUMBER OF SAMPLES REQUIRED =*	4.5E-07					
90									
91	**10. NICKEL VIA MASS ANALYSIS**		*MCC=*	1400	mg/kg	(Residential DEC)			
92	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
93	Results (mg/kg)	5.9	5	6.7	5.5	9.9	6.1	5.3	8.3
94			*MEAN =*	6.5875					
95			*VARIANCE=*	2.85554					
96			*STANDARD DEVIATION =*	1.68983					

	A	B	C	D	E	F	G	H	I
97			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
98			*95% UPPER CONFIDENCE LEVEL =*	7.75847					
99			*NUMBER OF SAMPLES REQUIRED =*	5.3E-06					
100									
101	**11. SILVER VIA MASS ANALYSIS**		*MCC=*	340	mg/kg	(Residential DEC)			
102	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
103	Results (mg/kg)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
104			*MEAN =*	0.2					
105			*VARIANCE=*	1.6E-17					
106			*STANDARD DEVIATION =*	4E-09					
107			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
108			*95% UPPER CONFIDENCE LEVEL =*	0.2					
109			*NUMBER OF SAMPLES REQUIRED =*	4.9E-22					
110									
111	**12. TIN VIA MASS ANALYSIS**		*MCC=*	40645	mg/kg	(Residential DEC)			
112	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
113	Results (mg/kg)	20	20	20	20	20	20	20	800
114			*MEAN =*	117.5					
115			*VARIANCE=*	76050					
116			*STANDARD DEVIATION =*	275.772					
117			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
118			*95% UPPER CONFIDENCE LEVEL =*	308.596					
119			*NUMBER OF SAMPLES REQUIRED =*	0.00017					
120									
121	**13. VANADIUM VIA MASS ANALYSIS**		*MCC=*	470	mg/kg	(Residential DEC)			
122	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
123	Results (mg/kg)	15	9.5	13	13.5	20	15	9	16.2
124			*MEAN =*	13.9					
125			*VARIANCE=*	12.7514					
126			*STANDARD DEVIATION =*	3.57091					
127			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
128			*95% UPPER CONFIDENCE LEVEL =*	16.3745					
129			*NUMBER OF SAMPLES REQUIRED =*	0.00022					
130									
131	**14. ZINC VIA MASS ANALYSIS**		*MCC=*	20000	mg/kg	(Residential DEC)			
132	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
133	Results (mg/kg)	15.3	15.4	27.7	186	1030	21.9	34	36.6
134			*MEAN =*	170.863					
135			*VARIANCE=*	123737					
136			*STANDARD DEVIATION =*	351.762					
137			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
138			*95% UPPER CONFIDENCE LEVEL =*	414.617					
139			*NUMBER OF SAMPLES REQUIRED =*	0.00113					
140									
141	**15. ANTIMONY VIA SPLP**		*MCC=*	0.06	mg/l	(GB-PMC)			
142	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
143	Results (mg/l)	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.093
144			*MEAN =*	0.01688					

	A	B	C	D	E	F	G	H	I
145			*VARIANCE=*	0.00095					
146			*STANDARD DEVIATION =*	0.03076					
147			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
148			*95% UPPER CONFIDENCE LEVEL =*	0.03819					
149			*NUMBER OF SAMPLES REQUIRED =*	1.82606					
150									
151	**16. ARSENIC VIA SPLP**		*MCC=*	0.5	mg/l	(GB-PMC)			
152	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
153	Results (mg/l)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
154			*MEAN =*	0.05					
155			*VARIANCE=*	9.9E-19					
156			*STANDARD DEVIATION =*	1E-09					
157			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
158			*95% UPPER CONFIDENCE LEVEL =*	0.05					
159			*NUMBER OF SAMPLES REQUIRED =*	1.8E-17					
160									
161	**17. BARIUM VIA SPLP**		*MCC=*	10	mg/l	(GB-PMC)			
162	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
163	Results (mg/l)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
164			*MEAN =*	0.55					
165			*VARIANCE=*	0.02					
166			*STANDARD DEVIATION =*	0.14142					
167			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
168			*95% UPPER CONFIDENCE LEVEL =*	0.648					
169			*NUMBER OF SAMPLES REQUIRED =*	0.0008					
170									
171	**18. CADMIUM VIA SPLP**		*MCC=*	0.05	mg/l	(GB-PMC)			
172	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
173	Results (mg/l)	0.005	0.005	0.028	0.005	0.005	0.005	0.005	0.007
174			*MEAN =*	0.00813					
175			*VARIANCE=*	6.5E-05					
176			*STANDARD DEVIATION =*	0.00806					
177			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
178			*95% UPPER CONFIDENCE LEVEL =*	0.01371					
179			*NUMBER OF SAMPLES REQUIRED =*	0.13302					
180									
181	**19. CHROMIUM, TOTAL VIA SPLP**		*MCC=*	0.5	mg/l	(GB-PMC)			
182	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
183	Results (mg/l)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
184			*MEAN =*	0.05					
185			*VARIANCE=*	9.9E-19					
186			*STANDARD DEVIATION =*	1E-09					
187			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
188			*95% UPPER CONFIDENCE LEVEL =*	0.05					
189			*NUMBER OF SAMPLES REQUIRED =*	1.8E-17					
190									
191	**20. COBALT VIA SPLP**		*MCC=*	4.2	mg/l	(GB-PMC)			
192	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3

	A	B	C	D	E	F	G	H	I
193	Results (mg/l)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
194			*MEAN =*	0.1					
195			*VARIANCE=*	4E-18					
196			*STANDARD DEVIATION =*	2E-09					
197			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
198			*95% UPPER CONFIDENCE LEVEL =*	0.1					
199			*NUMBER OF SAMPLES REQUIRED =*	8.5E-19					
200									
201	**21. COPPER VIA SPLP**		*MCC=*	13	mg/l	(GB-PMC)			
202	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
203	Results (mg/l)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
204			*MEAN =*	0.01125					
205			*VARIANCE=*	1.3E-05					
206			*STANDARD DEVIATION =*	0.00354					
207			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
208			*95% UPPER CONFIDENCE LEVEL =*	0.0137					
209			*NUMBER OF SAMPLES REQUIRED =*	2.7E-07					
210									
211	**22. LEAD VIA SPLP**		*MCC=*	0.15	mg/l	(GB-PMC)			
212	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
213	Results (mg/l)	0.006	0.006	0.007	0.005	0.007	0.028	0.007	0.008
214			*MEAN =*	0.00925					
215			*VARIANCE=*	5.8E-05					
216			*STANDARD DEVIATION =*	0.00763					
217			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
218			*95% UPPER CONFIDENCE LEVEL =*	0.01454					
219			*NUMBER OF SAMPLES REQUIRED =*	0.01055					
220									
221	**23. MERCURY VIA SPLP**		*MCC=*	0.02	mg/l	(GB-PMC)			
222	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
223	Results (mg/l)	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
224			*MEAN =*	0.002					
225			*VARIANCE=*	0					
226			*STANDARD DEVIATION =*	0					
227			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
228			*95% UPPER CONFIDENCE LEVEL =*	#NUM!					
229			*NUMBER OF SAMPLES REQUIRED =*	0					
230									
231	**24. NICKEL VIA SPLP**		*MCC=*	1	mg/l	(GB-PMC)			
232	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
233	Results (mg/l)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
234			*MEAN =*	0.05					
235			*VARIANCE=*	9.9E-19					
236			*STANDARD DEVIATION =*	1E-09					
237			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
238			*95% UPPER CONFIDENCE LEVEL =*	0.05					
239			*NUMBER OF SAMPLES REQUIRED =*	3.9E-18					
240									

	A	B	C	D	E	F	G	H	I
241	**25. SILVER VIA SPLP**		*MCC=*	0.36	mg/l	(GB-PMC)			
242	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
243	Results (mg/l)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
244			*MEAN =*	0.01					
245			*VARIANCE=*	1.5E-20					
246			*STANDARD DEVIATION =*	1.2E-10					
247			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
248			*95% UPPER CONFIDENCE LEVEL =*	0.01					
249			*NUMBER OF SAMPLES REQUIRED =*	4.5E-19					
250									
251	**26. TIN VIA SPLP**		*MCC=*	42	mg/l	(GB-PMC)			
252	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
253	Results (mg/l)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
254			*MEAN =*	0.5					
255			*VARIANCE=*	0					
256			*STANDARD DEVIATION =*	0					
257			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
258			*95% UPPER CONFIDENCE LEVEL =*	#NUM!					
259			*NUMBER OF SAMPLES REQUIRED =*	0					
260									
261	**27. VANADIUM VIA SPLP**		*MCC=*	0.5	mg/l	(GB-PMC)			
262	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
263	Results (mg/l)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1
264			*MEAN =*	0.45					
265			*VARIANCE=*	0.02					
266			*STANDARD DEVIATION =*	0.14142					
267			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
268			*95% UPPER CONFIDENCE LEVEL =*	0.548					
269			*NUMBER OF SAMPLES REQUIRED =*	28.7154					
270									
271	**28. ZINC VIA SPLP**		*MCC=*	50	mg/l	(GB-PMC)			
272	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
273	Results (mg/l)	0.05	0.05	0.12	0.05	0.21	0.05	0.05	0.1
274			*MEAN =*	0.085					
275			*VARIANCE=*	0.00331					
276			*STANDARD DEVIATION =*	0.05757					
277			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
278			*95% UPPER CONFIDENCE LEVEL =*	0.12489					
279			*NUMBER OF SAMPLES REQUIRED =*	4.8E-06					
280									
281	**29. BENZENE**		*MCC=*	21000	ppb	(Residential DEC)			
282	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
283	Results (ppb)	10	10	90	10	10	10	10	2416
284			*MEAN =*	320.75					
285			*VARIANCE=*	717530					
286			*STANDARD DEVIATION =*	847.072					
287			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
288			*95% UPPER CONFIDENCE LEVEL =*	907.729					

	A	B	C	D	E	F	G	H	I
289			*NUMBER OF SAMPLES REQUIRED =*	0.00602					
290									
291	**30. TOLUENE**		*MCC=*	500000	ppb	(Residential DEC)			
292	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
293	Results (ppb)	10	10	1404	38	391	10	162	18068
294			*MEAN =*	2511.63					
295			*VARIANCE=*	4E+07					
296			*STANDARD DEVIATION =*	6303.5					
297			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
298			*95% UPPER CONFIDENCE LEVEL =*	6879.64					
299			*NUMBER OF SAMPLES REQUIRED =*	0.00058					
300									
301	**31. P/M XYLENES**		*MCC=*	500000	ppb	(Residential DEC)			
302	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
303	Results (ppb)	10	10	30	10	11	10	10	181
304			*MEAN =*	34					
305			*VARIANCE=*	3576.29					
306			*STANDARD DEVIATION =*	59.8021					
307			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
308			*95% UPPER CONFIDENCE LEVEL =*	75.4399					
309			*NUMBER OF SAMPLES REQUIRED =*	5.1E-08					
310									
311	**32. O-XYLENES**		*MCC=*	500000	ppb	(Residential DEC)			
312	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
313	Results (ppb)	10	10	10	10	10	10	10	100
314			*MEAN =*	21.25					
315			*VARIANCE=*	1012.5					
316			*STANDARD DEVIATION =*	31.8198					
317			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
318			*95% UPPER CONFIDENCE LEVEL =*	43.2996					
319			*NUMBER OF SAMPLES REQUIRED =*	1.5E-08					
320									
321	**33. ACETONE**		*MCC=*	500000	ppb	(Residential DEC)			
322	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
323	Results (ppb)	500	500	8170	6060	500	500	11497	500
324			*MEAN =*	3528.38					
325			*VARIANCE=*	2E+07					
326			*STANDARD DEVIATION =*	4428.93					
327			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
328			*95% UPPER CONFIDENCE LEVEL =*	6597.41					
329			*NUMBER OF SAMPLES REQUIRED =*	0.00029					
330									
331	**34. BIS(2-ETHYLHEXYL)PHTHLATE**		*MCC=*	44000	ppb	(Residential DEC)			
332	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
333	Results (ppb)	114	589	2694	112	563	95	1170	2130
334			*MEAN =*	933.375					
335			*VARIANCE=*	984626					
336			*STANDARD DEVIATION =*	992.283					

	A	B	C	D	E	F	G	H	I
337			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
338			*95% UPPER CONFIDENCE LEVEL =*	1620.98					
339			*NUMBER OF SAMPLES REQUIRED =*	0.00191					
340									
341	**35. DI-N-BUTYL PHTHLATE**		*MCC=*	1000000	ppb	(Residential DEC)			
342	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
343	Results (ppb)	20	20	200	20	20	20	200	451
344			*MEAN =*	118.875					
345			*VARIANCE=*	24621.6					
346			*STANDARD DEVIATION =*	156.913					
347			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
348			*95% UPPER CONFIDENCE LEVEL =*	227.608					
349			*NUMBER OF SAMPLES REQUIRED =*	8.8E-08					
350									
351	**36. DI-N-OCTYL PHTHLATE**		*MCC=*	1000000	ppb	(Residential DEC)			
352	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
353	Results (ppb)	20	20	200	20	20	20	200	320
354			*MEAN =*	102.5					
355			*VARIANCE=*	14335.7					
356			*STANDARD DEVIATION =*	119.732					
357			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
358			*95% UPPER CONFIDENCE LEVEL =*	185.468					
359			*NUMBER OF SAMPLES REQUIRED =*	5.1E-08					
360									
361	**37. DIMETHYL PHTHALTE**		*MCC=*	6.8E+08	ppb	(Residential DEC)			
362	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
363	Results (ppb)	20	20	200	20	20	20	200	200
364			*MEAN =*	87.5					
365			*VARIANCE=*	8678.57					
366			*STANDARD DEVIATION =*	93.1589					
367			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
368			*95% UPPER CONFIDENCE LEVEL =*	152.055					
369			*NUMBER OF SAMPLES REQUIRED =*	6.8E-14					
370									
371	**38. PHENOL**		*MCC=*	1000	ppm	(Residential DEC)			
372	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
373	Results (ppm)	1	1	120	1	1	1	1	2300
374			*MEAN =*	303.25					
375			*VARIANCE=*	652675					
376			*STANDARD DEVIATION =*	807.883					
377			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
378			*95% UPPER CONFIDENCE LEVEL =*	863.073					
379			*NUMBER OF SAMPLES REQUIRED =*	4.82578					
380									
381	**39. OIL & GREASE (TPH)**		*MCC=*	500	ppm	(Residential DEC)			
382	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
383	Results (ppm)	25	452	5408	32	25	40	488	16840
384			*MEAN =*	2913.75					

	A	B	C	D	E	F	G	H	I
385			*VARIANCE=*	3.5E+07					
386		*STANDARD DEVIATION =*		5920.41					
387		*SINGLE-TAILED t FOR 95%, df=3 IS*		1.89458					
388		*95% UPPER CONFIDENCE LEVEL =*		7016.3					
389		*NUMBER OF SAMPLES REQUIRED =*		21.5945					
390									
391	**40. BENZENE**		*MCC=*	200	ppb	(GB-PMC)			
392	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
393	Results (ppb)	10	10	90	10	10	10	10	2416
394			*MEAN =*	320.75					
395			*VARIANCE=*	717530					
396		*STANDARD DEVIATION =*		847.072					
397		*SINGLE-TAILED t FOR 95%, df=3 IS*		1.89458					
398		*95% UPPER CONFIDENCE LEVEL =*		907.729					
399		*NUMBER OF SAMPLES REQUIRED =*		176.641					
400									
401	**41. TOLUENE**		*MCC=*	67000	ppb	(GB-PMC)			
402	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
403	Results (ppb)	10	10	1404	38	391	10	162	18068
404			*MEAN =*	2511.63					
405			*VARIANCE=*	4E+07					
406		*STANDARD DEVIATION =*		6303.5					
407		*SINGLE-TAILED t FOR 95%, df=3 IS*		1.89458					
408		*95% UPPER CONFIDENCE LEVEL =*		6879.64					
409		*NUMBER OF SAMPLES REQUIRED =*		0.03429					
410									
411	**42. P/M XYLENES**		*MCC=*	19500	ppb	(GB-PMC)			
412	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
413	Results (ppb)	10	10	30	10	11	10	10	181
414			*MEAN =*	34					
415			*VARIANCE=*	3576.29					
416		*STANDARD DEVIATION =*		59.8021					
417		*SINGLE-TAILED t FOR 95%, df=3 IS*		1.89458					
418		*95% UPPER CONFIDENCE LEVEL =*		75.4399					
419		*NUMBER OF SAMPLES REQUIRED =*		3.4E-05					
420									
421	**43. O-XYLENES**		*MCC=*	19500	ppb	(GB-PMC)			
422	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
423	Results (ppb)	10	10	10	10	10	10	10	100
424			*MEAN =*	21.25					
425			*VARIANCE=*	1012.5					
426		*STANDARD DEVIATION =*		31.8198					
427		*SINGLE-TAILED t FOR 95%, df=3 IS*		1.89458					
428		*95% UPPER CONFIDENCE LEVEL =*		43.2996					
429		*NUMBER OF SAMPLES REQUIRED =*		9.6E-06					
430									
431	**44. ACETONE**		*MCC=*	140000	ppb	(GB-PMC)			
432	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3

	A	B	C	D	E	F	G	H	I
433	Results (ppb)	500	500	8170	6060	500	500	11497	500
434			*MEAN =*	3528.38					
435			*VARIANCE=*	2E+07					
436			*STANDARD DEVIATION =*	4428.93					
437			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
438			*95% UPPER CONFIDENCE LEVEL =*	6597.41					
439			*NUMBER OF SAMPLES REQUIRED =*	0.00378					
440									
441	**45. BIS(2-ETHYLHEXYL)PHTHLATE**		*MCC=*	11000	ppb	(GB-PMC)			
442	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
443	Results (ppb)	114	589	2694	112	563	95	1170	2130
444			*MEAN =*	933.375					
445			*VARIANCE=*	984626					
446			*STANDARD DEVIATION =*	992.283					
447			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
448			*95% UPPER CONFIDENCE LEVEL =*	1620.98					
449			*NUMBER OF SAMPLES REQUIRED =*	0.03488					
450									
451	**46. DI-N-BUTYL PHTHLATE**		*MCC=*	140000	ppb	(GB-PMC)			
452	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
453	Results (ppb)	20	20	200	20	20	20	200	451
454			*MEAN =*	118.875					
455			*VARIANCE=*	24621.6					
456			*STANDARD DEVIATION =*	156.913					
457			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
458			*95% UPPER CONFIDENCE LEVEL =*	227.608					
459			*NUMBER OF SAMPLES REQUIRED =*	4.5E-06					
460									
461	**47. DI-N-OCTYL PHTHLATE**		*MCC=*	20000	ppb	(GB-PMC)			
462	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
463	Results (ppb)	20	20	200	20	20	20	200	320
464			*MEAN =*	102.5					
465			*VARIANCE=*	14335.7					
466			*STANDARD DEVIATION =*	119.732					
467			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
468			*95% UPPER CONFIDENCE LEVEL =*	185.468					
469			*NUMBER OF SAMPLES REQUIRED =*	0.00013					
470									
471	**48. DIMETHYL PHTHALTE**		*MCC=*	1.4E+07	ppb	(GB-PMC)			
472	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
473	Results (ppb)	20	20	200	20	20	20	200	200
474			*MEAN =*	87.5					
475			*VARIANCE=*	8678.57					
476			*STANDARD DEVIATION =*	93.1589					
477			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
478			*95% UPPER CONFIDENCE LEVEL =*	152.055					
479			*NUMBER OF SAMPLES REQUIRED =*	1.6E-10					
480									

	A	B	C	D	E	F	G	H	I
481	**49. PHENOL**		*MCC=*	800	ppm	(GB-PMC)			
482	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
483	Results (ppm)	1	1	120	1	1	1	1	2300
484			*MEAN =*	303.25					
485			*VARIANCE=*	652675					
486			*STANDARD DEVIATION =*	807.883					
487			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
488			*95% UPPER CONFIDENCE LEVEL =*	863.073					
489			*NUMBER OF SAMPLES REQUIRED =*	9.49392					
490									
491	**50. OIL & GREASE (TPH)**		*MCC=*	2500	ppb	(GB-PMC)			
492	Sample I.D.	TKRM-1	TKRM-2	TKRM-3	TKRM-4	TKRM-5	TKRM-6	TKRM-7	TKRM-3
493	Results (ppb)	25	452	5408	32	25	40	488	16840
494			*MEAN =*	2913.75					
495			*VARIANCE=*	3.5E+07					
496			*STANDARD DEVIATION =*	5920.41					
497			*SINGLE-TAILED t FOR 95%, df=3 IS*	1.89458					
498			*95% UPPER CONFIDENCE LEVEL =*	7016.3					
499			*NUMBER OF SAMPLES REQUIRED =*	734.941					

APPENDIX Z

NOVEMBER 10, 1989 TRUST FUND

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Trust Agreement

Trust agreement, the "Agreement," entered into as of November 10, 1989
(date)

by and between Synthetic Products Company
(name of the owner or operator)

a Delaware Corporation
"(Name of State) (insert "corporation," "partnership," "association," or "proprietorship")

the "Grantor," and First Fidelity Bank, N.A. ~~North~~ New Jersey
(name of corporate trustee)

(insert "incorporated in the State of a national bank" or "a national bank")

the "Trustee."

Whereas, the Connecticut Department of Environmental Protection an agency of the State of Connecticut has established certain regulations applicable to the Grantor, requiring that an owner or operator of a hazardous waste management facility shall provide assurance that funds will be available when needed for closure and/or post-closure care of the facility.

Whereas, the Grantor has elected to establish a trust to provide all or part of such financial assurance for the facilities identified herein,

Whereas, the Grantor, acting through its duly authorized officers, has selected the Trustee to be the trustee under this Agreement, and the Trustee is willing to act as trustee,

PST I and PST II

Now, Therefore, the Grantor and the Trustee agree as follows:

SECTION 1. Definitions. As used in this Agreement:

(a) The term "Grantor" means the owner or operator who enters into this agreement and any successors or assigns of the Grantor.

(b) The term "Trustee" means the Trustee who enters into this Agreement and any successor trustee.

SECTION 2. Identification of Facilities and Cost Estimates. This Agreement pertains to the facilities and cost estimates identified on attached Schedule A (on Schedule A, for each facility list the EPA Identification Number, name, address, and the current closure and/or post-closure cost estimates, or portions thereof, for which financial assurance is demonstrated by this Agreement).

SECTION 3. Establishment of Fund. The Grantor and the Trustee hereby establish a Trust Fund, the "Fund", for the benefit of the Department of Environmental Protection. The Grantor and the Trustee intend that no third party have access to the Fund except as herein provided. The Fund is established initially as consisting of the property, which is acceptable to the Trustee, described in Schedule B attached hereto. Such property and any other property subsequently transferred to the Trustee is referred to as the Fund together with all earnings and profits thereon, less any payments or distributions made by the Trustee pursuant to this Agreement. The Fund shall be held by the Trustee, IN TRUST, as hereinafter provided. The Trustee shall not be responsible nor shall it undertake any responsibility for the amount or adequacy of, nor any duty to collect from the Grantor, any payments necessary to discharge any liabilities of the Grantor established by the Department of Environmental Protection.

SECTION 4. Payment for Closure and Post-Closure Care. The Trustee shall make payments from the Fund as the Commissioner of Environmental Protection shall direct, in writing, to provide for the payment of the costs of closure and/or post-closure care of the facilities covered by this Agreement. The Trustee shall reimburse the Grantor or other persons as specified by the Commissioner of Environmental Protection from the Fund for closure and post-closure expenditures in such amounts as the Commissioner of Environmental Protection shall direct in writing. In addition, the Trustee shall refund to the Grantor such amounts as the Commissioner of Environmental Protection specifies in writing. Upon refund, such funds shall no longer constitute part of the Fund as defined herein.

SECTION 5. Payments Comprising the Fund. Payments made to the Trustee for the Fund shall consist of cash or securities acceptable to the Trustee.

SECTION 6. Trustee Management. The Trustee shall invest and reinvest the principal and income of the Fund and keep the Fund invested as a single fund, without distinction between principal and income, in accordance with general investment policies and guidelines which the Grantor may communicate in writing to the Trustee from time to time, subject, however, to the provisions of this SECTION. In investing, reinvesting, exchanging, selling, and managing the Fund, the Trustee shall discharge his duties with respect to the Trust Fund solely in the interest of the beneficiary and with the care, skill, prudence, and diligence under the circumstances then prevailing which persons of prudence, acting in a like capacity and familiar with such matters, would use in the conduct of an enterprise of a like character and with like aims; except that:

(i) Securities or other obligations of the Grantor, or any other owner or operator of the facilities, or any of their affiliates as defined in the Investment Company Act of 1940, as amended, 15 USC 80a-2(a) shall not be acquired or held, unless they are securities or other obligations of the Federal or a State government;

(ii) The Trustee is authorized to invest the Fund in time or demand deposits of the Trustee, to the extent insured by an agency of the Federal or State government; and

(iii) The Trustee is authorized to hold cash awaiting investment or distribution uninvested for a reasonable time and without liability for the payment of interest thereon.

SECTION 7. Commingling and Investment. The Trustee is expressly authorize in its discretion.

(a) To transfer from time to time any or all of the assets of the Fund to any common, commingled or collective Trust Fund created by the Trustee in which the Fund is eligible to participate, subject to all of the provisions thereof, to be commingled with the assets of other trusts participating therein; and

(b) To purchase shares in any investment company registered under the Investment Company Act of 1940, 15 USC 80a-1 et seq., including one which may be created, managed, underwritten, or to which investment advice is rendered or the shares of which are sold by the

Trustee. The Trustee may vote such shares in its discretion.

SECTION 8. Express Powers of Trustee. Without in any way limiting the powers and discretions conferred upon the Trustee by the other provisions of this Agreement or by law, the Trustee is expressly authorized and empowered:

(a) To sell, exchange, convey, transfer or otherwise dispose of any property held by it, by public or private sale. No person dealing with the Trustee shall be bound to see to the application of the purchase money or to inquire into the validity or expediency of any such sale or other disposition;

(b) To make, execute, acknowledge and deliver any and all documents of transfer and conveyance and any and all other instruments that may be necessary or appropriate to carry out the powers herein granted;

(c) To register any securities held in the Fund in its own name or in the name of a nominee and to hold any security in bearer form or in book entry, or to combine certificates representing such securities with certificates of the same issue held by the Trustee in other fiduciary capacities, or to deposit or arrange for the deposit of such securities in a qualified central depositary even though, when so deposited, such securities may be merged and held in bulk in the name of the nominee of such depositary with other securities deposited therein by another person, or to deposit or arrange for the deposit of any securities issued by the United States Government, or any agency or instrumentality thereof, with a Federal Reserve bank, but the books and records of the Trustee shall at all times show that all such securities are part of the Fund;

(d) To deposit any cash in the Fund in interest-bearing accounts maintained or savings certificates issued by the Trustee, in its separate corporate capacity, or in any other banking institution affiliated with the Trustee, to the extent insured by an agency of the federal or state government; and

(e) To compromise or otherwise adjust all claims in favor of or against the fund.

SECTION 9. Taxes and Expenses. All taxes of any kind that may be assessed or levied against or in respect of the Fund and all brokerage commissions incurred by the Fund shall be paid from the Fund. All other expenses incurred by the Trustee in connection with

the administration of this Trust, including fees for legal services rendered to the Trustee, the compensation of the Trustee to the extent not paid directly by the Grantor, and all other proper charges and disbursements of the Trustee shall be paid from the Fund.

SECTION 10. Annual Valuation. The Trustee shall annually, at least thirty (30) days prior to the anniversary date of establishment of the Fund, furnish to the Grantor and to the Commissioner of Environmental Protection a statement confirming the value of the Trust. Any securities in the Fund shall be valued at market value as of no more than sixty (60) days prior to the anniversary date of establishment of the Fund. The failure of the Grantor to object in writing to the Trustee within ninety (90) days after the statement has been furnished to the Grantor and the Commissioner of Environmental Protection shall constitute a conclusively binding assent by the Grantor, barring the Grantor from asserting any claim or liability against the Trustee with respect to matters disclosed in the statement.

SECTION 11. Advice of Counsel. The Trustee may from time to time consult with counsel, who may be counsel to the Grantor, with respect to any question arising as to the construction of this Agreement or any action to be taken hereunder. The Trustee will be fully protected, to the extent permitted by law, in acting upon the advice of counsel.

SECTION 12. Trustee Compensation. The Trustee shall be entitled to reasonable compensation for its services as agreed upon in writing from time to time with the Grantor.

SECTION 13. Successor Trustee. The Trustee may resign or the Grantor may replace the Trustee, but such resignation or replacement shall not be effective until the Grantor has appointed a successor trustee and this successor accepts the appointment. The successor trustee shall have the same powers and duties as those conferred upon the Trustee hereunder. Upon the successor trustee's acceptance of the appointment, the Trustee shall assign, transfer, and pay over to the successor trustee the funds and properties then constituting the Fund. If for any reason the Grantor cannot or does not act in the event of the resignation of the Trustee, the Trustee may apply to a court of competent jurisdiction for the appointment of a successor trustee or for instructions. The successor trustee shall specify the date on which it assumes administration of the Trust in a writing sent to the Grantor, the Commissioner of Environmental Protection and the present Trustee by certified mail ten (10) days before such change becomes

effective. Any expenses incurred by the Trustee as a result of any of the acts contemplated by this Section shall be paid as provided in Section 9.

SECTION 14. Instructions to the Trustee. All orders, requests and instructions by the Grantor to the Trustee shall be in writing, signed by such persons as are designated in the attached Exhibit A or such other designees as the Grantor may designate by amendment to Exhibit A. The Trustee shall be fully protected in acting without inquiry in accordance with the Grantor's orders, requests and instructions. All orders, requests, and instructions by the Commissioner of Environmental Protection to the Trustee shall be in writing, signed by the Commissioner of Environmental Protection or his/her Designee and the Trustee shall act and shall be fully protected in acting in accordance with such orders, requests, and instructions. The Trustee shall have the right to assume, in the absence of written notice to the contrary, that no event constituting a change or a termination of the authority of any person to act on behalf of the Grantor or the Department of Environmental Protection hereunder has occurred. The Trustee shall have no duty to act in the absence of such orders, requests, and instructions from the Grantor and/or the Department of Environmental Protection except as provided for herein.

SECTION 15. Notice of Nonpayment. The Trustee shall notify the Grantor and the Commissioner of Environmental Protection by certified mail within ten (10) days following the expiration of the thirty (30) day period after the anniversary of the establishment of the Trust, if no payment is received from the Grantor during that period. After the pay-in period is completed, the Trustee shall not be required to send a notice of nonpayment.

SECTION 16. Amendment of Agreement. This Agreement may be amended by an instrument in writing executed by the Grantor, the Trustee, and the Commissioner of Environmental Protection or by the Trustee and Commissioner of Environmental Protection if the Grantor ceases to exist.

SECTION 17. Irrevocability and Termination. Subject to the right of the parties to amend this Agreement as provided in SECTION 16, this Trust shall be irrevocable and shall continue until terminated at the written agreement of the Grantor, the Trustee, and the Commissioner of Environmental Protection, or by the Trustee and the Commissioner of Environmental Protection if the Grantor ceases to exist. Upon

termination of the Trust, all remaining Trust property, less final trust administration expenses, shall be delivered to the Grantor.

SECTION 18. Immunity and Indemnification. The Trustee shall not incur personal liability of any nature in connection with any act or omission, made in good faith, in the administration of this Trust, or in carrying out any directions by the Grantor or the Commissioner of Environmental Protection issued in accordance with this Agreement. The Trustee shall be indemnified and saved harmless by the Grantor or from the Trust Fund, or both, from and against any personal liability to which the Trustee may be subjected by reason of any act or conduct in its official capacity, including all expenses reasonably incurred in its defense in the event the Grantor fails to provide such defense.

SECTION 19. Choice of Law. This Agreement shall be administered, construed, and enforced according to the laws of the STATE OF CONNECTICUT.

SECTION 20. Interpretation. As used in this Agreement, words in the singular include the plural and words in the plural include the singular. The descriptive headings for each Section of the Agreement shall not affect the interpretation or the legal efficacy of this Agreement.

In Witness Whereof the parties have caused this Agreement to be executed by their respective officers duly authorized and their corporate seals to be hereunto affixed and attested as of the date first above written. The parties below certify that the wording of this Agreement is identical to the wording as specified in 40 CFR Part 264.151(a)(1) as such regulation was constituted on the date first above written.

By

(Signature of Grantor)

Charles W. Fletcher
Executive Vice President

(Title)

Attest:

(Signature)

James Cahill
Vice President of Finance

(Title)

A Corporate Seal is not required.
This corporation does not have a
Corporate Seal.

(Seal)

By

(Signature of Trustee)

Corporate Trust Officer

(Title)

Attest:

M Bandell

(Signature)

Corporate Trust Officer

(Title)

(Seal)

Approved:

CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION

By: _____

_____
Title

_____
Date

CERTIFICATION OF ACKNOWLEDGEMENT

STATE OF OHIO

County of Cuyahoga

(insert name of county)

On this 12/20/89

(date)

before me personally came Charles W. Fletcher

(owner or operator)

to me known, who, being by me duly sworn, did depose and say that she/he

resides at 1010 Hillcreek Lane
Gates Mills, OH 44040

(address)

that she/he is Executive Vice President

(title)

of Synthetic Products Company

(corporation)

the corporation described in and which executed the above instrument; that she/he knows the seal of said corporation; that the seal affixed to such instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; and that she/he signed her/his name thereto by like order.

Peggy A. Covey

(Signature of Notary Public)

12/18/93

(Date Notary Public Commission Expires)

PEGGY A. COVEY, Notary Public
STATE OF OHIO
My Commission Expires Dec. 18, 1993
(Recorded in Lake County)

(Seal of Notary Public)

TRUST FUND SCHEDULE A

(Plant #1)

CTD 001179688

(EPA Identification Number)

Synthetic Products Company

(Facility Name)

1525 Stratford Avenue

(Street Name)

Stratford, CT 06497

(City, State, Zip)

$11,125

(Closure Cost Estimate)

-0-

(Post-Closure Cost Estimate)

RST I

TRUST FUND SCHEDULE B

(Plant #1)

The Fund consists of $ 3,555.40 as of November 10, 1989
Date

on direct deposit and maintained by First Fidelity Bank, N.A., ~~North~~ New Jersey on behalf of Synthetic Products Company and on behalf of the Connecticut Department of Environmental Protection.

RST I

TRUST FUND SCHEDULE A
(Plant #2)

CTD 000844365

(EPA Identification Number)

Synthetic Products Company

(Facility Name)

375 Barnum Avenue Cutoff

(Street Name)

Stratford, CT 06497

(City, State, Zip)

$108,903

(Closure Cost Estimate)

-0-

(Post-Closure Cost Estimate)

PST II

TRUST FUND SCHEDULE B

(Plant #2)

The Fund consists of $ 42,374.16 as of November 16, 1989
Date

on direct deposit and maintained by First Fidelity Bank, N.A., ~~North~~ New Jersey on behalf of Synthetic Products Company and on behalf of the Connecticut Department of Environmental Protection.

PST II

TRUST FUND EXHIBIT A

The following is a list of all persons who are authorized by the Grantor to give orders, requests, and instructions to the Trustee:

Charles W. Fletcher
James J. Kalanta
James Cahill

CONNELL, FOLEY & GEISER
ATTORNEYS AT LAW

85 LIVINGSTON AVENUE
ROSELAND, N. J. 07068
(201) 535-0500
TELECOPIER: (201) 535-9217

ONE GATEWAY CENTER
NEWARK, N. J. 07102
(201) 643-2060

REPLY TO ROSELAND

JOHN A. PINDAR (1948-1989)

GEORGE W. CONNELL
ADRIAN M. FOLEY, JR.
THEODORE W. GEISER
JOHN B. LA VECCHIA
GEORGE J. KENNY
KENNETH F. KUNZMAN
SAMUEL D. LORD
RICHARD D. CATENACCI
RICHARD J. BADOLATO
PETER D. MANAHAN
JOHN B. MURRAY
MARK L. FLEDER
JEROME M. LYNES
KEVIN J. COAKLEY
LINDA A. PALAZZOLO
JOHN F. NEARY
THOMAS S. COSMA
KATHLEEN S. MURPHY
KEITH A. KRAUSS
PATRICK J. MCAULEY
PETER J. PIZZI
KEVIN R. GARDNER
ROBERT E. RYAN
MICHAEL P. MURPHY
MICHAEL X. McBRIDE
JEFFREY W. MORYAN

DONALD S. MACLACHLAN
PATRICIA J. PINDAR
PETER J. SMITH
BRIAN G. STELLER
FRANK A. LATTAL
WILLIAM O PESSEL, JR.
JUDITH A. WAHRENBERGER
PHILIP F. McGOVERN, JR.
KAREN MUNSTER CASSIDY
STEPHEN D. KINNARD
KAREN PAINTER RANDALL
BRIAN T. MURNANE
CHRISTOPHER J. PALADINO
CAROL M. ROMANO
LIZA M. WALSH
MAUREEN A MAHONEY
JOHN M. BYRNE
TIMOTHY E. CORRISTON
MICHAEL R. HANNISIAN
MARIE T. QUINN
ERNEST W. SCHOELLKOPFF
HEIDI WILLIS CURRIER
JOSEPH C. LAURIA, JR.
WILLIAM C. PENKETHMAN, JR.
JOHN D. CROMIE
JANET ZAORSKI KALAPOS
GUY T. LYTLE
ANGELA A. IUSO

OF COUNSEL
MORRIS M. SCHNITZER
MARGARET L. MOSES

June 29, 1989

Federal Express
Airbill No. 2274145171

Patricia Kroll-Shiner
Synthetic Products Company
100 Wayside Road
Cleveland, Ohio 44110

RE: Connecticut Facility EPA ID Nos.

Dear Pat:

In furtherance of our telephone coversation, I am sending to you by Federal Express a copy of the Assignment of Trust Funds with the appropriate supporting materials. Please note that the funds are now maintained by First Fidelity Bank, Newark, New Jersey. In April 1987 PS&T elected to transfer the funds from Marine Midland to its accounts with First Fidelity.

Should you have any further questions in this regard, please feel free to contact me directly.

Thank you.

Very truly yours,

PHILIP F. McGOVERN, JR.

PFM/d
Enclosures

APPENDIX AA

EARTH TECHNOLOGY INC.'S AND SPC'S CLOSURE ACTIVITY SUMMARIES

EARTH TECHNOLOGY INC.
Site & Environmental Services

February 13, 2001

Mr. James Kalanta
SPC Divestitures, Inc.
22 Hedgefield Court
Orange, CT 06477

RE: 375 Barnum Ave.
Stratford, CT
RCRA Closure Plan

Dear Mr. Kalanta:

Submitted for your review is a summary of work performed by Earth Technology personnel as part of the RCRA closure activities at the referenced facility.

8/4/98-	Break up, remove and stockpile concrete floor
8/11/98-	Excavate contaminated soil to elevation of ground water in areas designated as contaminated. Excavated soils staged at on site stockpile.
8/15/98-	Backfill and compact excavation
8/23/98-	Backfill and compact excavation
9/26/98-	Backfill, compact and grade excavation
10/12/98-	Fine grade floor slab subbase

The following Earth Technology personnel were on site:

Frank Ruocco	William Knowlton
James Zaiko	Rui Costa
John Moore	Charles Gagne
Manuel Esteves	Roger Sherman

12/2/98 – 12/4/98- Install concrete floor slab

Concrete work was performed by the following subcontractor:

Crosby's Northeast Foundation Co., Inc.
146R Chestnut Street
Branford, CT

12/31/98 – 1/8/99- Remove contaminated soil from site. Contaminated soil was disposed at the Branford Landfill in Branford, CT. The CTDEP Special Waste Disposal Authorization and Permit Application are attached.

250 Sackett Point Road • North Haven, CT 06473 • 203/230-2040 Office • 203/230-0302 Fax

Please contact me if you require additional information.

Respectfully,

Christopher Dickman

Christopher Dickman

Attachment: CTDEP Special Waste Authorization
CTDEP Special Waste Authorization Permit Application

EARTH TECHNOLOGY INC.
Site & Environmental Services

October 13, 2000

Mr. James Kalanta
SPC Divestitures, Inc.
22 Hedgefield Court
Orange, CT 06477

RE: 375 Barnum Ave.
Stratford, CT
RCRA Closure Plan

Dear Mr. Kalanta:

Submitted for your review is a summary of work performed by Earth Technology personnel as part of the RCRA closure activities at the referenced facility.

8/25/97 - Enter and clean (1) 300 gallon reaction water tank and (1) 3,000 gallon intermediate storage tank using. Waste left on site

8/26/97 - Enter and clean (1) 5,000 gallon reaction water storage tank and (1) 5,000 gallon organic waste storage tank. Waste left on site

8/27/97 - Clean residual sludge from turbo vacuum truck on site. Residual waste and rinse water left on site.

The following Earth Technology personnel were on site:

Dirk Barry
Eric Montgomery
Glen Magyar
John Ahern

Cleaning of all tanks involved removing solids/sludge using a turbo vacuum truck, pressure washing tank interiors and vacuuming out rinse water. All waste was transferred to 55 gallon drums and left on site.

Please contact me if you require additional information.

Respectfully,

Christopher Dickman

Christopher Dickman

Attachment: Tank Removal Certification

250 Sackett Point Road • North Haven, CT 06473 • 203/230-2040 Office • 203/230-0302 Fax

Frank McKane, Jr.
620 Chestnut Tree Hill Road
Oxford, CT 06478
(203) 720-2448

January 31, 2001

Cookson Discontinued Operations Group
22 Hedgefield Court
Orange, CT 06477

Attn.: Jamie Kalanta

Jamie,

Below is a note to document my involvement with the closure operations at the former Synthetic Products Company site at 375 Barnum Avenue Cut-Off in Stratford.

August 1997: The four waste tanks – a 300 gallon reaction water tank, a 3,000 gallon intermediate storage tank, a 5,000 gallon reaction water storage tank, and a 5,000 gallon organic hazardous waste storage tank – were emptied and cleaned by Earth Technology L.L.C.

September 1997: The four tanks were loaded on tractor trailers by Earth Technology, Inc. and transported off site for recycling.

August 1998: Earth Technology, Inc. chopped out the concrete floor in 375 building and excavated the soil down two to three feet throughout much of the building. In the identified contaminated areas (the back room where the waste tanks were located and the front room near the overhead door), Earth Technology, Inc. excavated down to ground water level. Shortly thereafter, a Kraft contractor installed a soil vapor extraction system through the center of the building.

August 1998: Earth Technology, Inc. excavated the waste storage areas behind the building and adjacent to the fence line at the rear of the property. Both areas are marked in the Volume I report.

September - October 1998: Earth Technology, Inc. delivered clean soil and refilled all excavated areas back to grade.

December 1998: Earth Technology, Inc. hired a masonry contractor to pour a new cement floor in the building. The floor included access caps to the soil vapor extraction system and the Kraft monitoring wells.

December 1998 – January 1999: Earth Technology, Inc. loaded and transported all stockpiled excavated soil and the former cement floor from the 375 Barnum Avenue Cut-Off property.

Sincerely,

Frank W. McKane, Jr.

APPENDIX BB

95% UPPER CONFIDENCE LIMIT FOR ARSENIC DETECTED IN SOIL BENEATH THE FRONT ROOM

	4.4
	6.5
	3.2
	2.7
	6.9
	5.4
	4.6
	4.7
	4.6
	6.3
	3.2
	4.4
	7.9
	11.3
AVERAGE	5.435714
ST DEV	2.254093
t stat	2.16
95 UCL	5.783489