DOCUMENTATION OF ENVIRONMENTAL INDICATOR DETERMINATION

Interim Final 2/5/99

RCRA Corrective Action
Environmental Indicator (EI) RCRIS code (CA725)

Current Human Exposures Under Control

Facility Name: William Prym Inc.
Facility Address: Dayville, CT
Facility EPA ID #: CTD001140920

1. Has **all** available relevant/significant information on known and reasonably suspected releases to soil, groundwater, surface water/sediments, and air, subject to RCRA Corrective Action (e.g., from Solid Waste Management Units (SWMU), Regulated Units (RU), and Areas of Concern (AOC)), been considered in this EI determination?

   X If yes - check here and continue with #2 below.

   _____ If no - re-evaluate existing data, or

   _____ if data are not available skip to #6 and enter "IN" (more information needed) status code.

BACKGROUND

Definition of Environmental Indicators (for the RCRA Corrective Action)

Environmental Indicators (EI) are measures being used by the RCRA Corrective Action program to go beyond programmatic activity measures (e.g., reports received and approved, etc.) to track changes in the quality of the environment. The two EI developed to-date indicate the quality of the environment in relation to current human exposures to contamination and the migration of contaminated groundwater. An EI for non-human (ecological) receptors is intended to be developed in the future.

Definition of "Current Human Exposures Under Control" EI

A positive "Current Human Exposures Under Control" EI determination ("YE" status code) indicates that there are no "unacceptable" human exposures to "contamination" (i.e., contaminants in concentrations in excess of appropriate risk-based levels) that can be reasonably expected under current land- and groundwater-use conditions (for all "contamination" subject to RCRA corrective action at or from the identified facility (i.e., site-wide)).

Relationship of EI to Final Remedies

While Final remedies remain the long-term objective of the RCRA Corrective Action program the EI are near-term objectives which are currently being used as Program measures for the Government Performance and Results Act of 1993, GPRA). The "Current Human Exposures Under Control" EI are for reasonably expected human exposures under current land- and groundwater-use conditions ONLY, and do not consider potential future land- or groundwater-use conditions or ecological receptors. The RCRA Corrective Action program's overall mission to protect human health and the environment requires that Final remedies address these issues (i.e., potential future human exposure scenarios, future land and groundwater uses, and ecological receptors).

Duration / Applicability of EI Determinations

EI Determinations status codes should remain in RCRIS national database ONLY as long as they remain true (i.e., RCRIS status codes must be changed when the regulatory authorities become aware of contrary information).

RDMS 994

2. Are groundwater, soil, surface water, sediments, or air media known or reasonably suspected to be **"contaminated"**[1] above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) from releases subject to RCRA Corrective Action (from SWMUs, RUs or AOCs)?

	Yes	No	?	Rationale / Key Contaminants
Groundwater	X			
Air (indoors)[2]		X		
Surface Soil (e.g., <2 ft)	X			
Surface Water		X		
Sediment	X			
Subsurf. Soil (e.g., >2 ft)	X			
Air (outdoors)		X		

____ If no (for all media) - skip to #6, and enter "YE," status code after providing or citing appropriate "levels," and referencing sufficient supporting documentation demonstrating that these "levels" are not exceeded.

X If yes (for any media) - continue after identifying key contaminants in each "contaminated" medium, citing appropriate "levels" (or provide an explanation for the determination that the medium could pose an unacceptable risk), and referencing supporting documentation.

____ If unknown (for any media) - skip to #6 and enter "IN" status code.

Rationale and Reference(s): See notes to 725-2.

Footnotes:

[1] "Contamination" and "contaminated" describes media containing contaminants (in any form, NAPL and/or dissolved, vapors, or solids, that are subject to RCRA) in concentrations in excess of appropriately protective risk-based "levels" (for the media, that identify risks within the acceptable risk range).

[2] Recent evidence (from the Colorado Dept. of Public Health and Environment, and others) suggest that unacceptable indoor air concentrations are more common in structures above groundwater with volatile contaminants than previously believed. This is a rapidly developing field and reviewers are encouraged to look to the latest guidance for the appropriate methods and scale of demonstration necessary to be reasonably certain that indoor air (in structures located above (and adjacent to) groundwater with volatile contaminants) does not present unacceptable risks.

3. Are there **complete pathways** between "contamination" and human receptors such that exposures can be reasonably expected under the current (land- and groundwater-use) conditions?

Summary Exposure Pathway Evaluation Table

Potential **Human Receptors** (Under Current Conditions)

"Contaminated" Media	Residents	Workers	Day-Care	Construction	Trespassers	Recreation	Food[3]
Groundwater	No	No	No	No			No
Air (indoors)	--	--	--				
Soil (surface, e.g., <2 ft)	No	Yes	No	Yes	Yes	No	No
Surface Water	--	--			--	--	--
Sediment	No	No			No	No	No
Soil (subsurface e.g., >2 ft)				Yes			No
Air (outdoors)	--	--	--	--	--		

Instructions for Summary Exposure Pathway Evaluation Table:

1. Strike-out specific Media including Human Receptors' spaces for Media which are not "contaminated") as identified in #2 above.

2. enter "yes" or "no" for potential "completeness" under each "Contaminated" Media -- Human Receptor combination (Pathway).

Note: In order to focus the evaluation to the most probable combinations some potential "Contaminated" Media - Human Receptor combinations (Pathways) do not have check spaces ("___"). While these combinations may not be probable in most situations they may be possible in some settings and should be added as necessary.

_____ If no (pathways are not complete for any contaminated media-receptor combination) - skip to #6, and enter "YE" status code, after explaining and/or referencing condition(s) in-place, whether natural or man-made, preventing a complete exposure pathway from each contaminated medium (e.g., use optional Pathway Evaluation Work Sheet to analyze major pathways).

X If yes (pathways are complete for any "Contaminated" Media - Human Receptor combination) - continue after providing supporting explanation.

_____ If unknown (for any "Contaminated" Media - Human Receptor combination) - skip to #6 and enter "IN" status code

Rationale and Reference(s): See notes to 725-3.

[3] Indirect Pathway/Receptor (e.g., vegetables, fruits, crops, meat and dairy products, fish, shellfish, etc.)

4 Can the exposures from any of the complete pathways identified in #3 be reasonably expected to be "significant"[4] (i.e., potentially "unacceptable" because exposures can be reasonably expected to be: 1) greater in magnitude (intensity, frequency and/or duration) than assumed in the derivation of the acceptable "levels" (used to identify the "contamination"); or 2) the combination of exposure magnitude (perhaps even though low) and contaminant concentrations (which may be substantially above the acceptable "levels") could result in greater than acceptable risks)?

X If no (exposures can not be reasonably expected to be significant (i.e., potentially "unacceptable") for any complete exposure pathway) - skip to #6 and enter "YE" status code after explaining and/or referencing documentation justifying why the exposures (from each of the complete pathways) to "contamination" (identified in #3) are not expected to be "significant."

_____ If yes (exposures could be reasonably expected to be "significant" (i.e., potentially "unacceptable") for any complete exposure pathway) - continue after providing a description (of each potentially "unacceptable" exposure pathway) and explaining and/or referencing documentation justifying why the exposures (from each of the remaining complete pathways) to "contamination" (identified in #3) are not expected to be "significant."

_____ If unknown (for any complete pathway) - skip to #6 and enter "IN" status code

Rationale and Reference(s): See notes to 725-4.

[4] If there is any question on whether the identified exposures are "significant" (i.e., potentially "unacceptable") consult a human health Risk Assessment specialist with appropriate education, training and experience.

5 Can the "significant" exposures (identified in #4) be shown to be within acceptable limits? N/A

_____ If yes (all "significant" exposures have been shown to be within acceptable limits) - continue and enter "YE" after summarizing and referencing documentation justifying why all "significant" exposures to "contamination" are within acceptable limits (e.g., a site-specific Human Health Risk Assessment).

_____ If no (there are current exposures that can be reasonably expected to be "unacceptable")- continue and enter "NO" status code after providing a description of each potentially "unacceptable" exposure.

_____ If unknown (for any potentially "unacceptable" exposure) - continue and enter "IN" status code

Rationale and Reference(s):_____

6. Check the appropriate RCRIS status codes for the Current Human Exposures Under Control EI event code (CA725), and obtain Supervisor (or appropriate Manager) signature and date on the EI determination below (and attach appropriate supporting documentation as well as a map of the facility):

✓ YE - Yes, "Current Human Exposures Under Control" has been verified. Based on a review of the information contained in this EI Determination, "Current Human Exposures" are expected to be "Under Control" at the _____ _____ facility, EPA ID #_____, located at _____ under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

____ NO - "Current Human Exposures" are NOT "Under Control."

____ IN - More information is needed to make a determination.

Completed by (signature) [signature] (Material provided by facility) Date 9/17/99
(print) Robert A. Meola
(title) RPM

Supervisor (signature) [signature] Date 9/20/99 RJC 9/14/99 EW 9/17/99
(print) Matthew R. Hoagland
(title) Section Chief
(EPA Region or State) Region I

Locations where References may be found:

_____
_____
_____
_____
_____

Contact telephone and e-mail numbers

(name)_____
(phone #)_____
(e-mail)_____

FINAL NOTE: THE HUMAN EXPOSURES EI IS A QUALITATIVE SCREENING OF EXPOSURES AND THE DETERMINATIONS WITHIN THIS DOCUMENT SHOULD NOT BE USED AS THE SOLE BASIS FOR RESTRICTING THE SCOPE OF MORE DETAILED (E.G., SITE-SPECIFIC) ASSESSMENTS OF RISK.

Rationale and References
For
Documentation of Environmental Indicator Determination
RCRA Corrective Action Environmental Indicator Code CA 725

WILLIAM PRYM, INC.
Dayville, CT

Data used in this evaluation were extracted from reports associated with several investigations and remediations that took place at the site between 1990 and 1998. These include the Phase I and Phase II RFI, the Tail Race Remediation and the Interim Corrective Measures (SE Technologies, Inc. 1998 and 1999). Other earlier investigations and remediations were not considered as data associated with these earlier efforts has been either made irrelevant by recent remediations or have been superceded by subsequent investigations using more rigorous data quality control measures. The exception to this is the Closure report for the electroplating sludge lagoon (Lancy Environmental Services Company, 1989)

The following notes and associated attachments expand on the conclusions reached in each step of the Environmental Indicator Determination for RCRIS Code CA 725. Headings used for these notes correspond to the item numbers in the determination worksheet.

In this evaluation, the EPA Risk Based Criteria for an Industrial Setting– April 1998 (RBCs) were used as the primary benchmark for determining the presence of site constituents in various media at concentrations of significance from a human health perspective. Where site constituents were detected in soil, the Connecticut Pollutant Mobility and Direct Exposure Criteria were used to help evaluate the risk (if any) these soils pose to future groundwater contamination. Lastly, where site constituents were found at concentrations in excess of their respective RBC's for tap water, drinking water criteria (MCLs) were used in conjunction with RBCs for tap water to evaluate the significance of the condition.

725-2 – Media Contamination Determination

1. Arsenic, nickel, trichloroethylene and tetrachloroethylene were detected in site groundwater at concentrations in excess of their respective RBCs for tap water. During the November 1998 monitoring event, the arsenic criteria (0.045 ug/L) was exceeded in 12 of 23 monitoring wells across the site with no apparent pattern associating these findings to one or more Areas of Concern (AOCs). This arsenic occurrence is currently under evaluation. During this same event, the nickel RBC for tap water (0.73 mg/L) was exceeded in two wells down gradient of AOC 10 (Nickel Plating Room). Trichloroethylene exceeded its RBC for tap water (1.3 ug/L) in one well and tetrachloroethylene exceeded its RBC for tap water (1.1 ug/L) in two wells. Attachment A provides a site base map depicting the location of the various AOCs, key site features and wells. This attachment also includes a tabulated groundwater data summary from this sampling event.

It should be noted that only one exceedance of the arsenic drinking water criteria (50 ug/L) and one exceedance of the tetrachloroethylene drinking water criteria (5 ug/L) took place during this event. The tetrachloroethylene MCL exceedance tool place at MW 20 while the arsenic MCL exceedance took place in MW 10D. It should also be noted that no constituent other than arsenic was found in MW 10D at elevated concentrations.

No drinking water criterion is in effect for nickel.

2. As can be seen in the soils data table presented in Attachment B, arsenic was detected in surface soils at concentrations above its RBC for direct exposure in an industrial setting (3.8 mg/Kg) at two AOCs. The first area, AOC 7 is relatively small (approximately 20'x30') and the second area (AOC 5), while much larger, is in a remote area of the site that is heavily vegetated.

   AOC 7 is the location of a former electroplating sludge roll-off box. As arsenic is a common contaminant in many plating baths, it is speculated that the elevated arsenic in surface soils at this location is associated with the former management of plating wastes.

   AOC 5 is the location of a small waste burning facilty. Old pallets and cardboard were burned here over many years. More significantly, this AOC and the surrounding area was used for disposal of ash from the facility boiler house from the late 1800's through the 1920s. Arsenic is a constituent of fly ash and, to a lesser degree, bottom ash. It is speculated that the ash or natural arsenic (Barosh, 1992) is the source of arsenic in soils this AOC rather than any residue from the former waste burning operations.

3. No measured constituents were detected in site surface water at concentrations above their respective RBC for tap water. The surface water data is also provided in Attachment B.

4. Nickel is present in the Mill Pond soils (sediments) (AOC 1) at concentrations far below its RBC for direct exposure (41,000 mg/Kg) but slightly above its CTDEP Pollutant Mobility Criteria (1.4 mg/L vs. 1.0 mg/L for leachate in GB classified groundwater areas).

   Nickel, lead, cadmium and copper were detected in Tail Race sediments (AOC 3) at concentrations above background, but far below their respective RBC for direct exposure. No leachate analysis was performed on sediment samples from this AOC.

   It should be noted that no applicable human health standards for sediments were found to exist in the course of this evaluation. Therefore, the RBC for soils and CTDEP Pollutant Mobility Criteria have been used.

5. Benzo(a)anthracene is present in subsurface soils below its RBC for direct exposure (7800 ug/Kg), but slightly above its CTDEP Pollutant Mobility Criteria (1000 ug/Kg) at the Former Underground Storage Tank Area (AOC 11). Benzo(a)pyrene is present in subsurface soils at this same AOC at concentrations in excess of its RBC for direct exposure (780 ug/Kg) and its CTDEP Pollutant Mobility Criteria (1000 ug/Kg). Attachment C contains a sketch of the AOC 11 area and associated sampling results.

   Arsenic is present in subsurface soils in the Former Sludge Lagoons (AOC 2) at concentrations above its RBC for direct exposure, but below its CTDEP Pollutant Mobility

Criteria. On the contrary, nickel is present in this closed unit at concentrations below its RBC for direct exposure, but in concentrations greater than its CTDEP Pollutant Mobility criteria.

Arsenic was detected in subsurface soils at a total of four AOCs at concentrations in excess of its RBC for direct exposure (3.8 mg/Kg). However, with the exception of certain samples from AOC 5, the detected arsenic concentrations were within the 95% confidence interval for background soils at the site. See Attachment B for the tabulated soils data.

It is well documented that arsenic is a naturally occurring soil constituent in this part of Connecticut (Barosh, 1992). In addition, where available, SPLP analysis of samples from these AOCs found no arsenic present above the CTDEP Pollutant Mobility Criteria for GB groundwater areas (0.5 mg/L).

6. Surface soils are vegetated, minimizing the potential for wind entrainment of arsenic present in surface soils. All sediments containing metals in excess of either their RBC direct exposure criteria or their CTDEP Pollutant Mobility Criteria are by definition continuously underwater and not available to wind entrainment.

   Volatile organics were detected in groundwater at concentrations far below their respective CTDEP residential volatilization criteria and therefore do not pose a reasonable risk to either indoor or outdoor air. For example, the highest detected concentration of tetrachloroethylene in the most recent round of groundwater monitoring was 30 ug/L. Its corresponding residential volatilization protection criteria is 1500 ug/L. The highest concentration of trichloroethylene in the most recent groundwater monitoring event was 3.2 ug/L. Its corresponding residential volatilization protection criterion is 219 ug/L. The degradation product dichloroethylene was detected in one well at 0.71 ug/L. The corresponding residential volatilization criterion is 1 ug/L. No other degradation products were detected. Industrial volatilization criteria are considerably higher.

725-3 Exposure Pathway Determination

1. Shallow groundwater within the site exceeds the tap water RBCs for one or more constituents in 12 of 23 monitoring wells and the federal drinking water criteria in 2 of the 23 wells. However, the CTDEP classification of groundwater in the immediate site vicinity is "GB", not suitable for drinking. It should also be noted that municipal water is available at site. Therefore, future use of site groundwater for drinking water is not reasonable under current land use. It can then be concluded that there is no reasonable pathway between on-site constituents in groundwater and potential on-site human receptors under current land use.

   Evaluation of site hydrogeology has found shallow groundwater to be discharging to surface water expressions and moving off-site via deeper portions of the overburden aquifer. Constituents entering this deeper zone are apparently being heavily diluted in this highly productive aquifer. No site constituents of concern have been detected in deeper portions of the overburden aquifer (used by area home drinking water wells) near the down gradient property boundary in concentrations at or above their respective tap water RBCs.

Sampling of home drinking water wells immediately down gradient of the site has not detected any site constituents in concentrations above their respective drinking water criteria and, with the possible exception of arsenic, the RBCs for tap water. The location of the home wells sampled are depicted in a figure included in Attachment A. The detection limit for arsenic using accepted analytical methods is 2 ug/L, well above the revised arsenic RBC for tap water (0.045 ug/L). Therefore it is not possible to make a conclusive determination regarding the presence or absence of arsenic above this criterion. However, as arsenic was found to be below detection (<2 ug/L) both in down gradient deep wells and home wells down gradient of the site, any arsenic that is present is at least one order of magnitude below the drinking water criteria (50 ug/L). Therefore current exposure to arsenic in off-site drinking water wells is not considered significant.

Nearly all AOC have been present for more than 20 years and those found to be releasing site constituents to groundwater have undergone remediation. Attachment D presents a listing of the AOCs, the estimated date of their initial operation and brief comments on any remediation that has taken place at that AOC. As a result of the remediation efforts, on-site groundwater quality has improved over the past 10 years. Given this situation, it can be concluded site groundwater does not present a significant risk to off-site human receptors.

2. Site workers, construction workers and trespassers can come in contact with surface soils containing arsenic in excess of its RBC for direct exposure. No indirect exposure pathways (inhalation of air entrained surface soils and ingestion of contaminated foodstuffs or groundwater) to these surface soils are reasonable for these or other groups of potential human receptors under current land use. No foodstuffs are harvested or gathered from the site and, as noted earlier in this evaluation, there is no consumption of site surface or groundwater. In addition, as all AOCs are either well vegetated, under concrete or under water, there is no risk of airborne particulates. There is no reasonable pathway for other groups of human receptors to come in contact with surface soils.

   It must be noted that the site is surrounded by an eight-foot high chain-linked fence topped with barbed wire. All gates are kept locked. Thus, casual trespassing by children, while not impossible, is unlikely.

3. Nickel is present in sediments on the floor of AOC 1 (Mill Pond) at concentrations below its RBC for direct exposure. In addition, there is no reasonable potential for direct exposure to human receptors, such as site workers or trespassers as these sediments are below 6-8 feet of water and not accessible. Thus, there is no reasonable direct exposure pathway to these soils for most potential human receptors. Site construction workers may be exposed to the sediments, but again the concentrations of constituents are well below their respective RBCs for direct exposure. Thus, direct exposure to Mill Pond Sediments is not a concern.

   There are no reasonable pathways for most Mill Pond sediment indirect exposure, given its underwater location. Indirect exposure via consumption of fish or other aquatic life is not reasonable. This is a small industrial pond and only a minimal aquatic wildlife population is present. In addition, Dayville Pond, a popular local fishing location, is less than 1,000 feet away. Thus, there is little temptation by trespassers to fish in the Mill Pond. The wildlilfe population is far too small to be considered a viable food source and therefore does not present a reasonable exposure pathway via ingestion.

Indirect exposure via consumption of surface or groundwater has been addressed under discussion of these media.

Sediments in AOC 3 (Tail Race) contain nickel, lead and copper at concentrations above background. These constituents are, however, present at concentrations far below their respective RBCs for direct exposure and are under 1-3 feet of water. Thus, there is no reasonable direct exposure pathway to these sediments for potential human receptors, other than possible site construction workers. These site workers would be potentially exposed to the sediments. As stated before, the constituents of concern are well below their respective direct exposure RBCs. Thus, exposure to Tail Race sediments would not present an undue risk to site construction workers.

In addition, there are no reasonable pathways for most indirect exposure, given the sediment's underwater location. Indirect exposure via consumption of fish or other aquatic life is not reasonable. This is a small (approximately 40'x500') drainage way and only a minimal wildlife population is present. The wildlife population in the Tail Race is far too small to be considered a viable food source and therefore does not present a reasonable indirect exposure pathway via ingestion. In addition, Dayville Pond, a popular local fishing location, is less than 2,000 feet away. Indirect exposure via consumption of surface or groundwater has been addressed under discussions of these media.

In summary, contaminants in site sediments are below direct exposure criteria and not considered a risk from direct pathways. There are no reasonable pathways for indirect exposure via food consumption. As noted under the discussion for groundwater, there is no indication that the contaminated sediments present a risk to local groundwater supplies. Therefore, indirect exposure via consumption of contaminated groundwater is not considered reasonable under existing land use.

4. Construction workers can come in contact with subsurface soils in excess of the arsenic RBC for direct contact as a result of soil excavation for facility construction or renovation. Due to the nature of these activities, the period(s) of exposure would be limited. Again, as the site is not used for harvesting or collection of foodstuffs, indirect exposure via ingestion of contaminated food is not a viable pathway. Indirect exposure via inhalation has been previously addressed in this evaluation and found to be unreasonable as has indirect exposure via ingestion of site groundwater. There is no reasonable pathway for other groups of human receptors to come in contact with subsurface soils.

725-4 Significant Exposure Evaluation

Through the previous steps, it was determined that there are reasonable pathways for exposure of certain groups of human receptors to affected surface and subsurface soils. These groups include site workers, construction workers and trespassers for surface soils and construction workers for subsurface soils. The following notes discuss the significance of these combinations of exposure pathways and affected soils.

1. Surface Soils: Site Workers

   There are two areas where arsenic is present in surface soils in excess of its RBC for direct exposure. AOC 7 is a small area (approx. 20'x30') behind the main facility. AOC 5 is a larger area of coal ash that is in a remote portion of the site and is covered with dense vegetation. This area is also physically difficult to access as it is remote and surrounded by waterways on all sides with no safe bridges to it.

   Neither area is a location where a site worker would reasonably be expected to spend any significant amount of time as neither location is in proximity to any work areas, break areas, walkways or parking area. Thus, exposure duration would be only for limited periods of time, much less than the exposure duration used to establish the direct exposure criteria. Given this short potential exposure duration in relation to that used to develop the arsenic criteria and the fact that the arsenic measured in surface soils was less than one order of magnitude over the direct exposure criteria, direct exposure of site workers to surface soils cannot be reasonably expected to be significant. Alternatively, operational controls could be easily used to prevent workers from entering these areas.

2. Surface Soils: Construction Workers and Trespassers

   As noted above, site workers, construction workers and trespassers may be exposed to surface soils containing arsenic in excess of its RBC for direct exposure.

   RBCs for direct exposure are based on an exposure duration of 25 years of normal work days. Trespassers and construction workers would be on-site and in the potentially affected areas for much shorter periods than that used to develop this risk criteria. Given the short potential exposure duration for these two groups in relation to the time frame used to develop the arsenic criteria and the fact that arsenic measured in surficial soils was less than one order of magnitude over the direct exposure criteria, direct exposure of construction workers and trespassers cannot be reasonably expected to be significant, even for sensitive receptors, such as trespassing children.

   It should also be emphasized that both areas (AOC 5 and AOC 7) are well vegetated. Thus, exposure by sensitive trespassers would require digging in these areas, a highly unlikely scenario.

3. Subsurface Soils: Construction Workers

   Construction workers can potentially be exposed to subsurface soils containing arsenic above its RBC for direct exposure. However, as construction work is rarely of a duration

in excess of a few months for any given set of workers at a given location, anticipated exposure duration would be far below the 25 year exposure time frame used to establish the arsenic RBC for direct exposure. The average concentration of arsenic measured in subsurface soils at AOC 5 is approximately 90 mg/Kg. While this is approximately 24 times the arsenic RBC for direct exposure, a reasonable maximum exposure duration for a construction worker would be 3 months or 0.25 years. This is one one-hundredth of the exposure duration used to develop the arsenic RBC for direct exposure. Given the combination of relatively low arsenic concentrations, short duration of any potential exposure and low probability of exposure due to the remoteness of the area, risk to construction workers cannot be reasonably expected to be significant. As noted in the discussion under 725-2, arsenic in subsurface soils at other AOCs, while in excess of its RBC for direct exposure, is at or below background concentrations and therefore not an issue for this evaluation.

Benzo(a)pyrene is present in subsurface soils in the vicinity of AOC 11 in concentrations in excess of its RBC for direct exposure. As noted before, reasonably anticipated maximum periods of exposure during construction activities would be much shorter that the 25-year interval used to develop the RBCs for direct exposure. This situation combined with the fact that the maximum concentration of benzo(a)pyrene detected was approximately 140% of its RBC for direct exposure allows one to reach the conclusion that direct exposure to this constituent is not a reasonable human health risk.

References:

P.J.Barosh, 1992, Arsenic in Ground Water in Southeastern New England and Sources of Metals Found in Ground Water at the Limemaster Switch Corporation Site, Woodstock, Connecticut.

SE Technologies, 1998, Phase II RFI Report.

SE Technologies, 1997, Phase I Report.

SE Technologies, 1999, Mill Pond ICM Report

Rust E&I, 1996, Tail Race Remediation Report

ATTACHMENT 725-A

Site Base Map
Groundwater Data
November 1988
Home Well Sampling Data

TABLE 3-7
SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER INORGANICS
PHASE II RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	EPA RISK-BASED CONCENTRATIONS TAP WATER
Date Collected	10/13/98	10/13/98	10/13/98	10/12/98	10/12/98	10/13/98	10/14/98	10/12/98	
Cyanide (MG/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	
Metals, Dissolved (MG/L)									
BARIUM	<0.010	<0.010	<0.010	0.012	0.026	<0.010	<0.010	0.014	2.6
CADMIUM	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.018
COPPER	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	1.5
LEAD	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
ARSENIC	0.0041	<0.0020	<0.0020	0.009	<0.0020	<0.0020	0.0033	<0.0020	0.000045
NICKEL	0.0057	0.032	0.16	<0.0030	<0.0030	<0.0030	0.024	<0.0030	0.73
Metals, Total (MG/L)									
BARIUM	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	2.6
CADMIUM	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.018
COPPER	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	1.5
LEAD	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
ARSENIC	0.0062	0.0026	<0.0020	0.012	<0.0020	<0.0020	0.006	<0.0020	0.000045
NICKEL	0.0076	0.029	0.20	<0.0030	<0.0030	<0.0030	0.051	<0.0030	0.73

Field Sample ID	MW-9	MW-10	MW-10D	MW-11	MW-12	MW-13	MW-13D	MW-14	EPA RISK-BASED CONCENTRATIONS TAP WATER
Date Collected	10/13/98	10/13/98	10/14/98	10/14/98	10/14/98	10/14/98	10/15/98	10/15/98	
Cyanide (MG/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	
Metals, Dissolved (MG/L)									
BARIUM	<0.010	0.047	<0.010	<0.010	0.015	0.014	<0.010	<0.010	2.6
CADMIUM	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.018
COPPER	<0.024	0.029	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	1.5
LEAD	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
ARSENIC	0.0082	0.011	0.042	0.0074	<0.0020	<0.0020	<0.0020	0.0038	0.000045
NICKEL	0.065	0.34	0.0044	0.0092	<0.0030	0.84	0.0072	<0.0030	0.73
Metals, Total (MG/L)									
BARIUM	<0.010	0.059	0.012	<0.010	<0.010	<0.010	<0.010	0.024	2.6
CADMIUM	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.018
COPPER	<0.024	0.10	0.028	<0.024	<0.024	<0.024	<0.024	0.030	1.5
LEAD	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
ARSENIC	0.0075	0.017	0.051	0.011	<0.0020	0.0023	<0.0020	0.0063	0.000045
NICKEL	0.066	0.45	0.0055	0.0067	<0.0030	0.76	0.009	<0.0030	0.73

Field Sample ID	MW-15	MW-16	MW-16D	MW-17	MW-18	MW-19	MW-20		EPA RISK-BASED CONCENTRATIONS TAP WATER
Date Collected	10/15/98	10/16/98	10/15/98	10/14/98	10/15/98	10/15/98	10/14/98		
Cyanide (MG/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020		
Metals, Dissolved (MG/L)									
BARIUM	<0.010	<0.010	<0.010	0.017	<0.010	<0.010	0.017		2.6
CADMIUM	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010		0.018
COPPER	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024		1.5
LEAD	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050		
ARSENIC	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020		0.000045
NICKEL	<0.0030	<0.0030	<0.0030	<0.0030	0.94	<0.0030	0.20		0.73
Metals, Total (MG/L)									
BARIUM	<0.010	<0.010	<0.010	0.014	<0.010	<0.010	0.023		2.6
CADMIUM	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010		0.018
COPPER	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024		1.5
LEAD	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050		
ARSENIC	<0.0020	<0.0020	<0.0020	<0.0020	0.0024	<0.0020	0.0061		0.000045
NICKEL	<0.0030	<0.0030	<0.0030	<0.0030	0.84	<0.0030	0.30		0.73

The samples for total metals were collected from 11/17 through 11/19/98.

TABLE 3-8
SUMMARY OF ANALYTICAL RESULTS -GROUNDWATER ORGANICS
PHASE II RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	EPA RISK-BASED CONCENTRATIONS TAP WATER
Date Collected	10/13/98	10/13/98	10/13/98	10/12/98	10/12/98	10/13/98	10/14/98	10/12/98	
Volatiles (ug/l)									
BROMOBENZENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
BROMODICHLOROMETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.17
BROMOFORM	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	2.33
BROMOMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	8.52
CARBON TETRACHLORIDE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.16
CHLOROBENZENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	35
CHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.6
2-CHLOROETHYL VINYL ETHER	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
CHLOROFORM	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.15
CHLOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5
DIBROMOCHLOROMETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.13
DIBROMOMETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
1,2-DICHLOROBENZENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	64
1,3-DICHLOROBENZENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	14
1,4-DICHLOROBENZENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.47
DICHLORODIFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	350
1,1-DICHLOROETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	800
1,2-DICHLOROETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.12
1,1-DICHLOROETHENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.044
CIS-1,2-DICHLOROETHENE	<0.50	<0.50	<0.50	1.1	<0.50	<0.50	<0.50	<0.50	61
TRANS-1,2-DICHLOROETHENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	120
1,2-DICHLOROPROPANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.16
CIS-1,3-DICHLOROPROPENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
TRANS-1,3-DICHLOROPROPENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
METHYLENE CHLORIDE	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	4.10
1,2,3-TRICHLOROPROPANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.0015
1,1,1,2-TETRACHLOROETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.41
1,1,2,2-TETRACHLOROETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.053
TETRACHLOROETHENE	<0.50	<0.50	<0.50	3.5	<0.50	<0.50	<0.50	<0.50	1.1
1,1,1-TRICHLOROETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	540
1,1,2-TRICHLOROETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.19
TRICHLOROETHENE (TCE)	<0.50	<0.50	<0.50	0.90	<0.50	<0.50	<0.50	<0.50	1.6
TRICHLOROFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1,300.00
VINYL CHLORIDE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.019

1 = CTDEP Remediation Criteria
EPA Region III Risk-Based Concentrations for Tap Water, April 1998

TABLE 3-b (continued)
SUMMARY OF ANALYTICAL RESULTS -GROUNDWATER ORGANICS
PHASE II RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

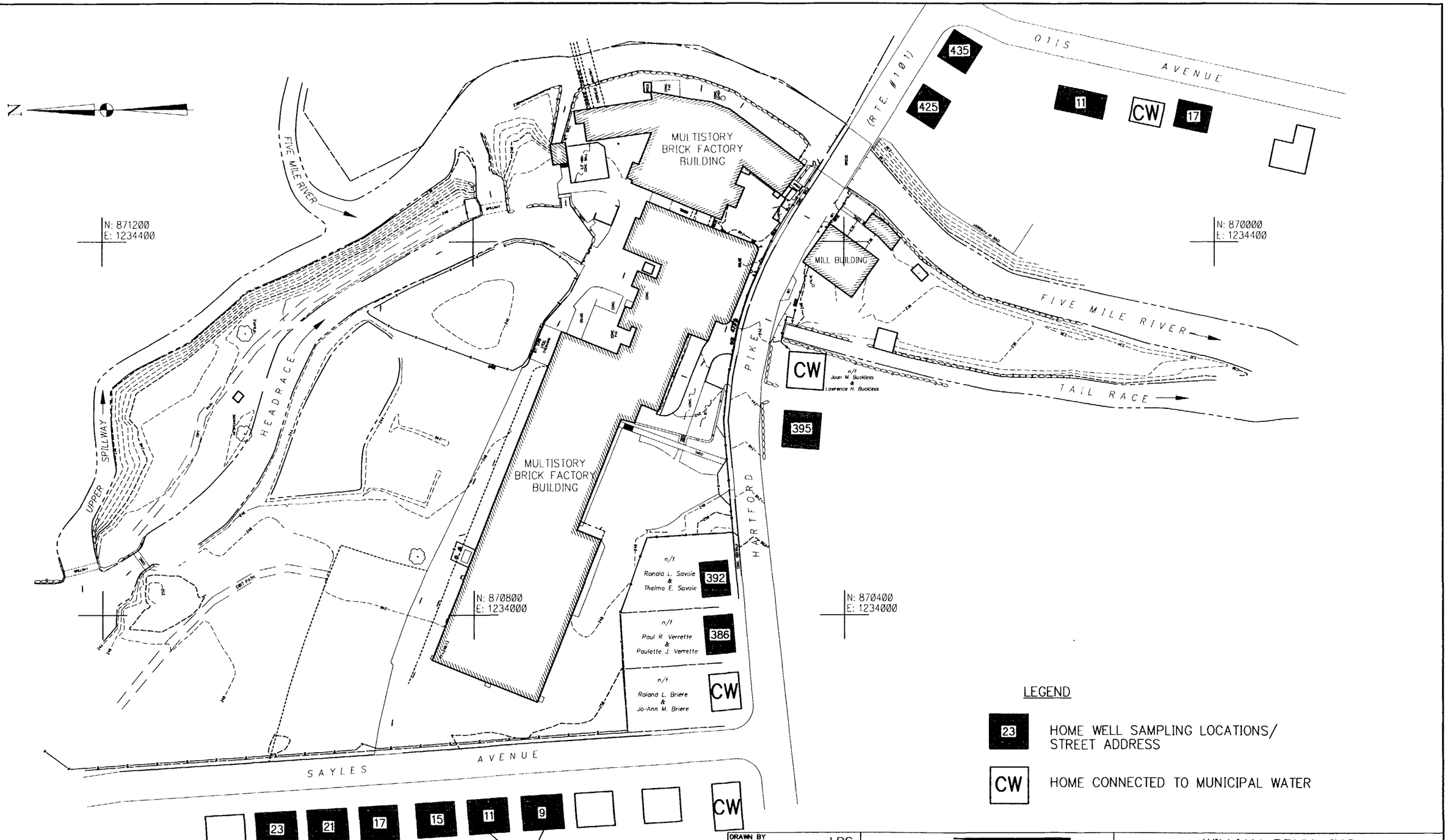
Field Sample ID	MW-9	MW-10	MW-10D	MW-11	MW-12	MW-13	MW-13D	MW-14	EPA RISK-BASED CONCENTRATIONS TAP WATER
Date Collected	10/13/98	10/13/98	10/14/98	10/14/98	10/14/98	10/14/98	10/15/98	10/15/98	
Volatiles (ug/l)									
BROMOBENZENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
BROMODICHLOROMETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.17
BROMOFORM	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	2.33
BROMOMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	8.52
CARBON TETRACHLORIDE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.16
CHLOROBENZENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	35
CHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.6
2-CHLOROETHYL VINYL ETHER	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
CHLOROFORM	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.15
CHLOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5
DIBROMOCHLOROMETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.13
DIBROMOMETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
1,2-DICHLOROBENZENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	64
1,3-DICHLOROBENZENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	14
1,4-DICHLOROBENZENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.47
DICHLORODIFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	350
1,1-DICHLOROETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	800
1,2-DICHLOROETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.12
1,1-DICHLOROETHENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.044
CIS-1,2-DICHLOROETHENE	3.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	61
TRANS-1,2-DICHLOROETHENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	120
1,2-DICHLOROPROPANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.16
CIS-1,3-DICHLOROPROPENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
TRANS-1,3-DICHLOROPROPENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
METHYLENE CHLORIDE	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	4.10
1,2,3-TRICHLOROPROPANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.0015
1,1,1,2-TETRACHLOROETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.41
1,1,2,2-TETRACHLOROETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.053
TETRACHLOROETHENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.75	1.1
1,1,1-TRICHLOROETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	0.68	<0.50	3.5	540
1,1,2-TRICHLOROETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.19
TRICHLOROETHENE (TCE)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.6
TRICHLOROFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1,300.00
VINYL CHLORIDE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.019

1 = CTDEP Remediation Criteria
EPA Region III Risk-Based Concentrations for Tap Water, April 1998

TABLE 3-8 (continued)
SUMMARY OF ANALYTICAL RESULTS -GROUNDWATER ORGANICS
PHASE II RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	MW-15	MW-16	MW-16D	MW-17	MW-18	MW-19	MW-20	EPA RISK-BASED CONCENTRATIONS TAP WATER
Date Collected	10/15/98	10/16/98	10/15/98	10/16/98	10/15/98	10/15/98	10/14/98	
Volatiles (ug/l)								
BROMOBENZENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
BROMODICHLOROMETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.17
BROMOFORM	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	2.33
BROMOMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	8.52
CARBON TETRACHLORIDE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.16
CHLOROBENZENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	35
CHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.6
2-CHLOROETHYL VINYL ETHER	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
CHLOROFORM	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.15
CHLOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5
DIBROMOCHLOROMETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.13
DIBROMOMETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
1,2-DICHLOROBENZENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	64
1,3-DICHLOROBENZENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	14
1,4-DICHLOROBENZENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.47
DICHLORODIFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	350
1,1-DICHLOROETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	800
1,2-DICHLOROETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.12
1,1-DICHLOROETHENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.044
CIS-1,2-DICHLOROETHENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.71	61
TRANS-1,2-DICHLOROETHENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	120
1,2-DICHLOROPROPANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.16
CIS-1,3-DICHLOROPROPENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
TRANS-1,3-DICHLOROPROPENE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
METHYLENE CHLORIDE	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	4.10
1,2,3-TRICHLOROPROPANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.0015
1,1,1,2-TETRACHLOROETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.41
1,1,2,2-TETRACHLOROETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.053
TETRACHLOROETHENE	<0.50	<0.50	<0.50	0.93	<0.50	<0.50	**30**	1.1
1,1,1-TRICHLOROETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	540
1,1,2-TRICHLOROETHANE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.19
TRICHLOROETHENE (TCE)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**3.2**	1.6
TRICHLOROFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1,300.00
VINYL CHLORIDE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.019

1 = CTDEP Remediation Criteria
EPA Region III Risk-Based Concentrations for Tap Water, April 1998



REFERENCE:
"TOPOGRAPHIC SURVEY PREPARED FOR PRYM MILL" BY
KWP ASSOCIATES, PROMFRET CENTER, CONNECTICUT
DATED 6/10/97

ELEVATIONS BASED ON NAD29; HORIZONTAL COORDINATES
BASED ON CONNECTICUT GRID SYSTEM

DRAWN BY	LPS
DATE	-
CHECKED BY	RAD
SET JOB NO.	970177
SET DWG FILE	990177B01.dwg
DRAWING SCALE	1"=100'

SE TECHNOLOGIES
98 Vanadium Road Bridgeville, PA 15017 (412) 221-1100

WILLIAM PRYM, INC
DAYVILLE, CONNECTICUT
PHASE III RFI
ADJACENT RESIDENTIAL WELL SAMPLING LOCATIONS

DRAWING NAME: FIGURE 1-2
REV. 0

Plot: env024 09/09/1999 07:13 G:\Prym\990177\990177B04.dwg

TABLE 4-14
SUMMARY OF ANALYTICAL RESULTS FOR CYANIDE AND METALS
HOME WELL WATER SAMPLES
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID Date Collected	11 Sayles Ave 4/8/98	15 Sayles Ave 4/8/98	17 Sayles Ave 4/23/98	21 Sayles Ave 4/8/98	23 Sayles Ave 4/8/98	386 Hartford Trpk 4/8/98	386 Hartford Trpk (Dup) 4/8/98	392 Hartford Trpk 4/23/98	EPA RISK-BASED CONCENTRATIONS TAP WATER
Cyanide (MG/l)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.73
Metals (MG/l), total									
BARIUM	<0.01	<0.02	<0.01	<0.01	<0.01	0.012	0.012	0.016	2.6
LEAD	<0.002	<0.002	0.0023	<0.002	<0.002	0.0045	<0.0020	0.0037	
ZINC	0.022	0.03	0.02	0.018	0.016	0.021	0.024	0.035	11.0
ARSENIC	<0.002 UJ	<0.002 UJ	<0.002 UJ	<0.002 UJ	<0.002 UJ	<0.002 UJ	<0.002 UJ	<0.002 UJ	0.011
CADMIUM	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.018
COPPER	0.03	0.02	0.0065	<0.004	0.012	0.045	0.046	0.014	130.0
NICKEL	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.73

Field Sample ID Date Collected	435 Hartford Trpk 4/8/98	Method Blank 4/8/98	11 Otis Ave 4/15/98	Method Blank 4/15/98	395 Hartford Trpk 4/23/98	425 Hartford Trpk 4/23/98	17 Otis Ave 4/23/98	Method Blank 4/23/98	EPA RISK-BASED CONCENTRATIONS TAP WATER
Cyanide (MG/l)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.73
Metals (MG/l), total									
BARIUM	0.026	<0.01	<0.01	<0.01	0.011	<0.01	<0.01	<0.01	2.6
LEAD	0.0033	<0.002	<0.002	<0.002	0.0024	<0.002	<0.002	<0.002	
ZINC	0.037	<0.05	0.14	<0.05	0.024	0.027	0.025	<0.05	11.0
ARSENIC	<0.002 UJ	<0.002 UJ	<0.002 UJ	<0.002 UJ	<0.002 UJ	<0.002 UJ	<0.002 UJ	<0.002 UJ	0.011
CADMIUM	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.018
COPPER	0.092	<0.004	0.021	<0.004	0.023	0.067	0.016	<0.004	130.0
NICKEL	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.73

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

TABLE 4-14
SUMMARY OF ANALYTICAL RESULTS FOR TPH AND VOCS
HOME WELL WATER SAMPLES
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID Date Collected	11 Sayles Ave 4/8/98	15 Sayles Ave 4/8/98	17 Sayles Ave 4/23/98	21 Sayles Ave 4/8/98	23 Sayles Ave 4/8/98	386 Hartford Trpk 4/8/98	386 Hartford Trpk (Dup) 4/8/98	392 Hartford Trpk 4/23/98	435 Hartford Trpk 4/8/98	EPA RISK-BASED CONCENTRATIONS TAP WATER
TPH (mg/l)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.5[1]
Volatiles (ug/l)										
ACETONE	<20	<20	<20	<20	<20	<20	<20	<20	<20	3,700
ACRYLONITRILE	<50	<50	<50	<50	<50	<50	<50	<50	<50	0.12
BENZENE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.36
BROMODICHLOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.17
BROMOFORM	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.4
BROMOMETHANE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	8.7
CARBON DISULFIDE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1,000
CARBON TETRACHLORIDE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.16
CHLOROBENZENE	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	1	<1.0	<1.0	39
CHLOROETHANE	<10 UJ	<10 UJ	<10 UJ	<10 UJ	<10 UJ	<10 UJ	<10 UJ	<10 UJ	<10 UJ	8,600
CHLOROFORM	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.15
CHLOROMETHANE	<10	<10	<10	<10	<10	<10	<10	<10	<10	1.4
DIBROMOCHLOROMETHANE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
DIBROMOMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.048
DICHLORODIFLUOROMETHANE	<10	<10	<10	<10	<10	<10	<10	<10	<10	390
1,1-DICHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	810
1,2-DICHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.12
1,1-DICHLOROETHENE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.044
TRANS-1,2-DICHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	120
1,2-DICHLOROPROPANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.16
CIS-1,3-DICHLOROPROPENE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.077
TRANS-1,3-DICHLOROPROPENE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
ETHYLBENZENE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1,300
2-HEXANONE	<10	<10	<10	<10	<10	<10	<10	<10	<10	1,500
METHACRYLONITIRILE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	3.7
4-METHYL-2-PENTANONE (MIBK)	<10	<10	<10	<10	<10	<10	<10	<10	<10	
METHYLENE CHLORIDE	<10	<10	<10	<10	<10	<10	<10	<10	<10	4.1
STYRENE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1,600
1,1,1,2-TETRACHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.41
1,1,2,2-TETRACHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.052
TETRACHLOROETHENE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1
TOLUENE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	750
1,1,1-TRICHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	540
1,1,2-TRICHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.19
TRICHLOROETHENE (TCE)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6
TRICHLOROFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1,300
VINYL ACETATE	<10	<10	<10	<10	<10	<10	<10	<10	<10	37,000
VINYL CHLORIDE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.019
XYLENES (TOTAL)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	12,000

U = The analyte was analyzed for, but was not detected above the Action Level for blank contamination.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

1 = CTDEP Remediation Criteria
EPA Region III Risk-Based Concentrations for Tap Water, October 22, 1997
DUP = Duplicate sample

TABLE 4-14
SUMMARY OF ANALYTICAL RESULTS FOR TPH AND VOCS
HOME WELL WATER SAMPLES
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID Date Collected	425 Hartford Trpk 4/23/98	17 Otis Ave 4/23/98	Method Blank 4/23/98	11 Otis Ave 4/15/98	Method Blank 4/15/98	Trip Blank 4/23/98	Method Blank 4/8/98	395 Hartford Trpk 4/23/98	EPA RISK-BASED CONCENTRATIONS TAP WATER
TPH (mg/l)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.5[1]
Volatiles (ug/l)									
ACETONE	<20	<20	<20	<20	<20	<20	<20	<20	3,700
ACRYLONITRILE	<50	<50	<50	<50	<50	<50	<50	<50	0.12
BENZENE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.36
BROMODICHLOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.17
BROMOFORM	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.4
BROMOMETHANE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	8.7
CARBON DISULFIDE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1,000
CARBON TETRACHLORIDE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.16
CHLOROBENZENE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	39
CHLOROETHANE	<10	<10	<10	<10	<10	<10	<10	<10	8,600
CHLOROFORM	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.15
CHLOROMETHANE	<10	<10	<10	<10	<10	<10	<10	<10	1.4
DIBROMOCHLOROMETHANE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
DIBROMOMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.048
DICHLORODIFLUOROMETHANE	<10	<10	<10	<10	<10	<10	<10	<10	390
1,1-DICHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	810
1,2-DICHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.12
1,1-DICHLOROETHENE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.044
TRANS-1,2-DICHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	120
1,2-DICHLOROPROPANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.16
CIS-1,3-DICHLOROPROPENE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.077
TRANS-1,3-DICHLOROPROPENE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
ETHYLBENZENE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1,300
2-HEXANONE	<10	<10	<10	<10	<10	<10	<10	<10	1,500
METHACRYLONITIRILE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	3.7
4-METHYL-2-PENTANONE (MIBK)	<10	<10	<10	<10	<10	<10	<10	<10	
METHYLENE CHLORIDE	<10	<10	<10	<10	<10	<10	<10	<10	4.1
STYRENE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1,600
1,1,1,2-TETRACHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.41
1,1,2,2-TETRACHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.052
TETRACHLOROETHENE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1
TOLUENE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	750
1,1,1-TRICHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	540
1,1,2-TRICHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.19
TRICHLOROETHENE (TCE)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6
TRICHLOROFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1,300
VINYL ACETATE	<10	<10	<10	<10	<10	<10	<10	<10	37,000
VINYL CHLORIDE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.019
XYLENES (TOTAL)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	12,000

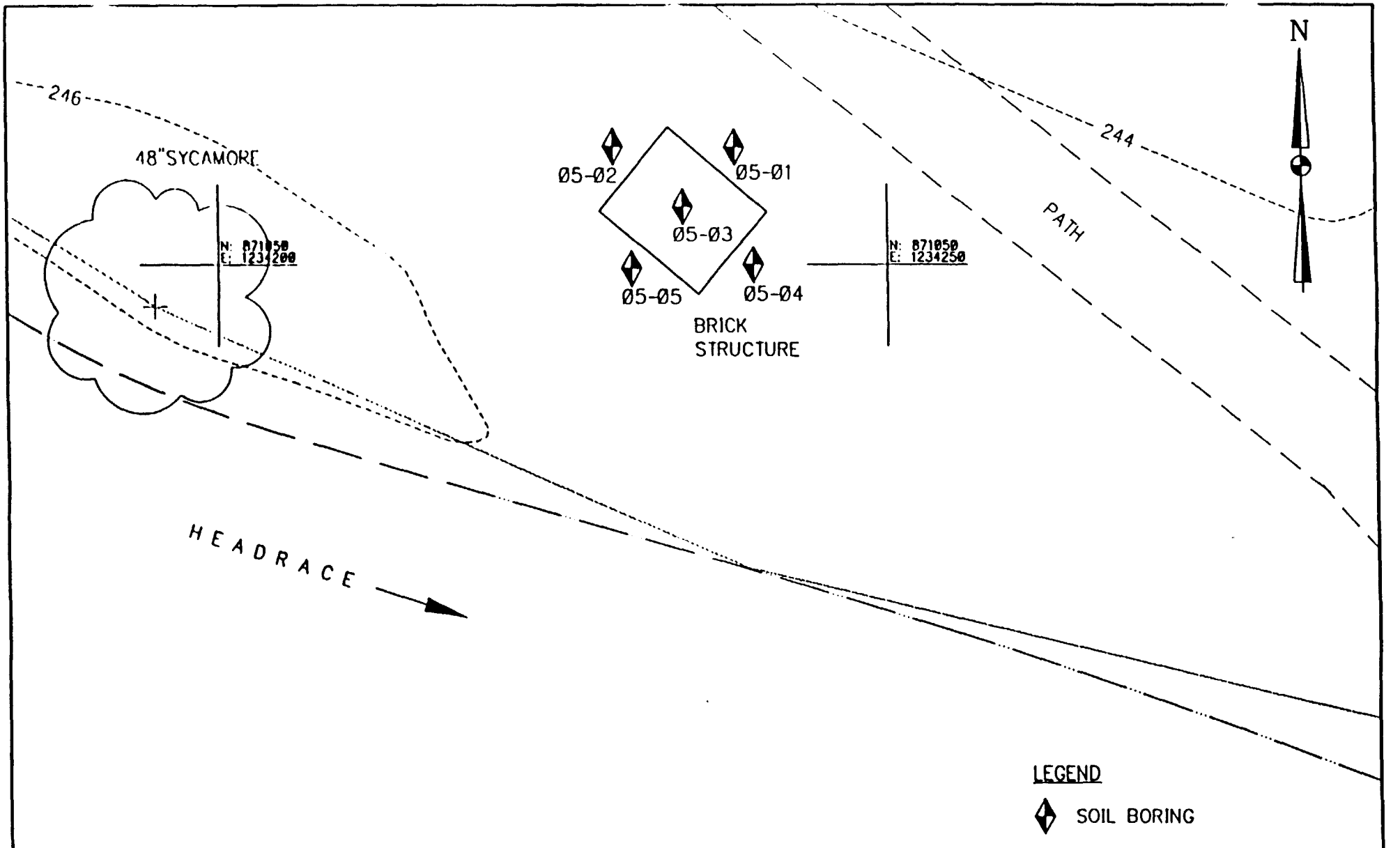
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

1 = CTDEP Remediation Criteria
EPA Region III Risk-Based Concentrations for Tap Water, October 22, 1997
DUP = Duplicate sample

ATTACHMENT 725-B

Site Soil and Sediment Data and Sample Location Maps

Phase I RFI Soils Data



DRAWN BY	LPS
DATE	1/16/98
CHECKED BY	SS/RAD
SET JOB NO.	970330
SET DWG FILE	97330a03.dwg
DRAWING SCALE	1"= 10'

SE TECHNOLOGIES
98 Vanadium Road Bridgeville, PA 15017 (412) 221-1100

WILLIAM PRYM, INC.
DAYVILLE, CONNECTICUT
PHASE I RFI
AOC No. 5
SOIL BORING LOCATIONS

DRAWING NAME: FIGURE 3-1

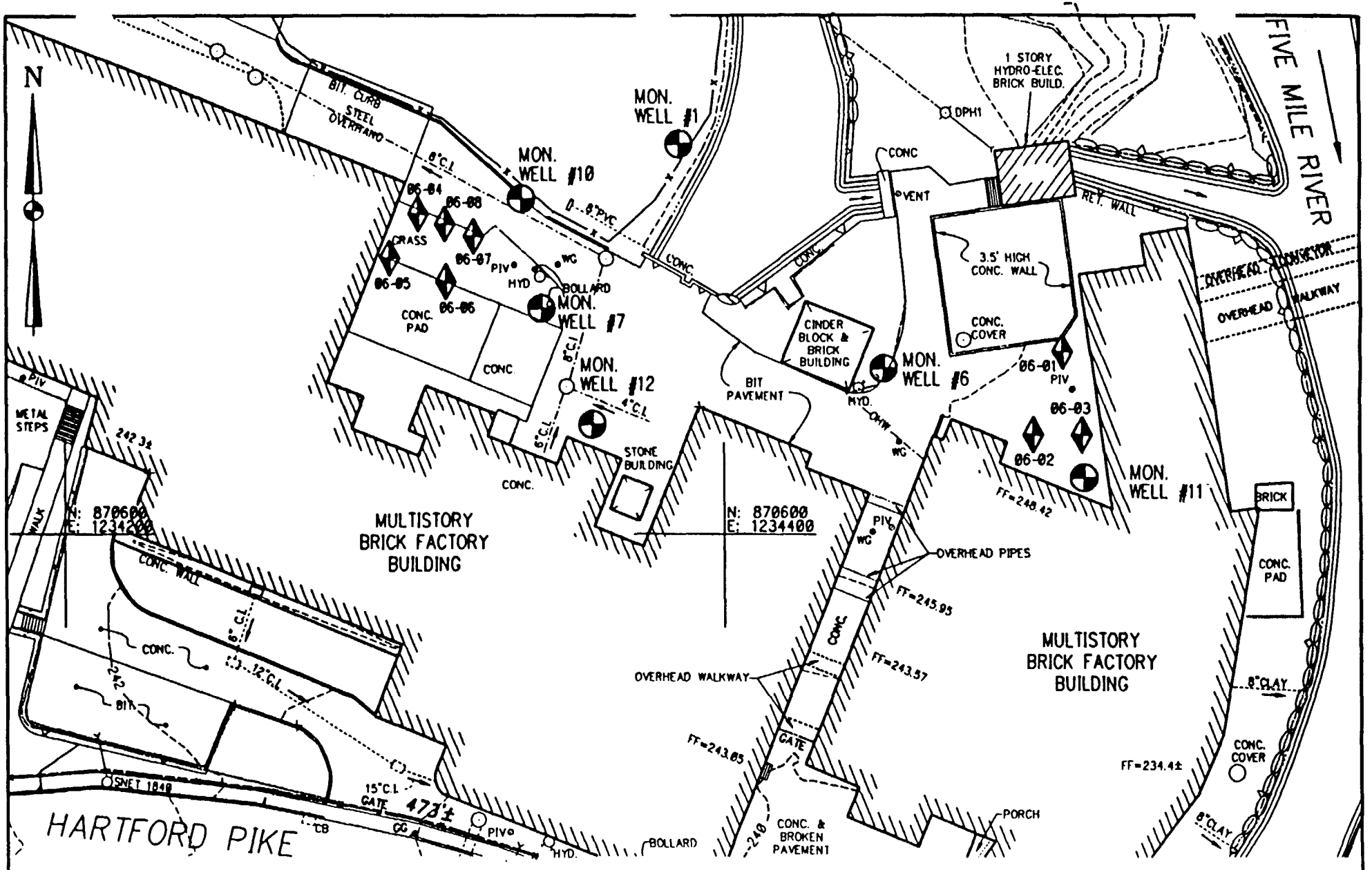
REV. B

TABLE 4-2
SUMMARY OF ANALYTICAL RESULTS FOR CYANIDE AND METALS
AOC 5 - FORMER INCINERATOR
PHASE I RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SS-05-01-01	SB-05-01-01	SB-05-01-02	SB-05-02-01	SB-05-02-02	SB-05-03-01	SB-05-03-02	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	10/7/97	10/6/97	10/6/97	10/6/97	10/6/97	10/7/97	10/7/97		
Depth (feet bgs)	0-1	1-2	2-3	5-6	9-10	2-3	7.5-8		
Cyanide (MG/KG)	<0.17	<0.11	<0.26	<0.14	0.16	<0.11	<0.13	41,000	1,600
Metals (MG/KG)									
BARIUM, TOTAL	360	43	51	230	56	57	110	140,000	5,500
LEAD, TOTAL	60	24	27	130	69	36	220		
ZINC, TOTAL	240	67	86	57	52	34	130	610,000	23,000
ARSENIC, TOTAL	5.7	2.2	12	470	19	30	200	610	23
CADMIUM, TOTAL	0.76	1.1	1.9	0.82	<0.21	<0.20	0.54	1,000	39
COPPER, TOTAL	330	160	290	240	120	51	100	82,000	3,100
NICKEL, TOTAL	37	14	18	13	17	1.7	3.7	41,000	1,600

Field Sample ID	SB-05-04-01	SB-05-04-01 (DUP)	SB-05-04-02	SB-05-05-01	SB-05-05-02	EQB-11-01	METHOD BLANK	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	10/7/97	10/7/97	10/7/97	10/7/97	10/7/97	10/7/97	10/6/97		
Depth (feet bgs)	4-5	4-5	7-8	2-3	6-7				
Cyanide (MG/KG)	<0.14	<0.19	<0.10	<0.15	<0.14	<0.02	<0.1	41,000	1,600
Metals (MG/KG)									
BARIUM, TOTAL	260	300	49	290	110	<0.01	<0.9	140,000	5,500
LEAD, TOTAL	190	210	170	38	45	<0.002	<4.5		
ZINC, TOTAL	37	85	42	39	23	<0.05	<4.5	610,000	23,000
ARSENIC, TOTAL	330	370	5.1	14	11	<0.002	<0.18	610	23
CADMIUM, TOTAL	0.45	0.7	<0.23	<0.2	<0.23	<0.002	<0.18	1,000	39
COPPER, TOTAL	110	120	13	68	30	<0.004	<0.36	82,000	3,100
NICKEL, TOTAL	6.7	14	2.9	9.1	3.3	<0.003	<0.3	41,000	1,600

EPA Region III Risk-Based Concentration Tables for Direct Exposure
DUP = Duplicate sample



LEGEND

- SOIL BORING
- MONITORING WELL

DRAWN BY	LPS
DATE	1/16/98
CHECKED BY	SS/RAD
SET JOB NO.	970330
SET DWG FILE	97330a04.dwg
DRAWING SCALE	1"= 40'

SE TECHNOLOGIES
98 Vanadium Road Bridgeville, PA 15017 (412) 221-1100

WILLIAM PRYM, INC.
DAYVILLE, CONNECTICUT
PHASE I RFI
AOC No. 6
SOIL BORING AND MONITORING WELL LOCATIONS

DRAWING NAME: FIGURE 3-2
REV. B

Plot: eng035 01/19/1998 10:38 C:\970330\97330a04.dwg

TABLE 4-3
SUMMARY OF ANALYTICAL RESULTS FOR TPH AND VOCS
AOC 6 - FORMER DRUM STORAGE AREAS
PHASE I RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

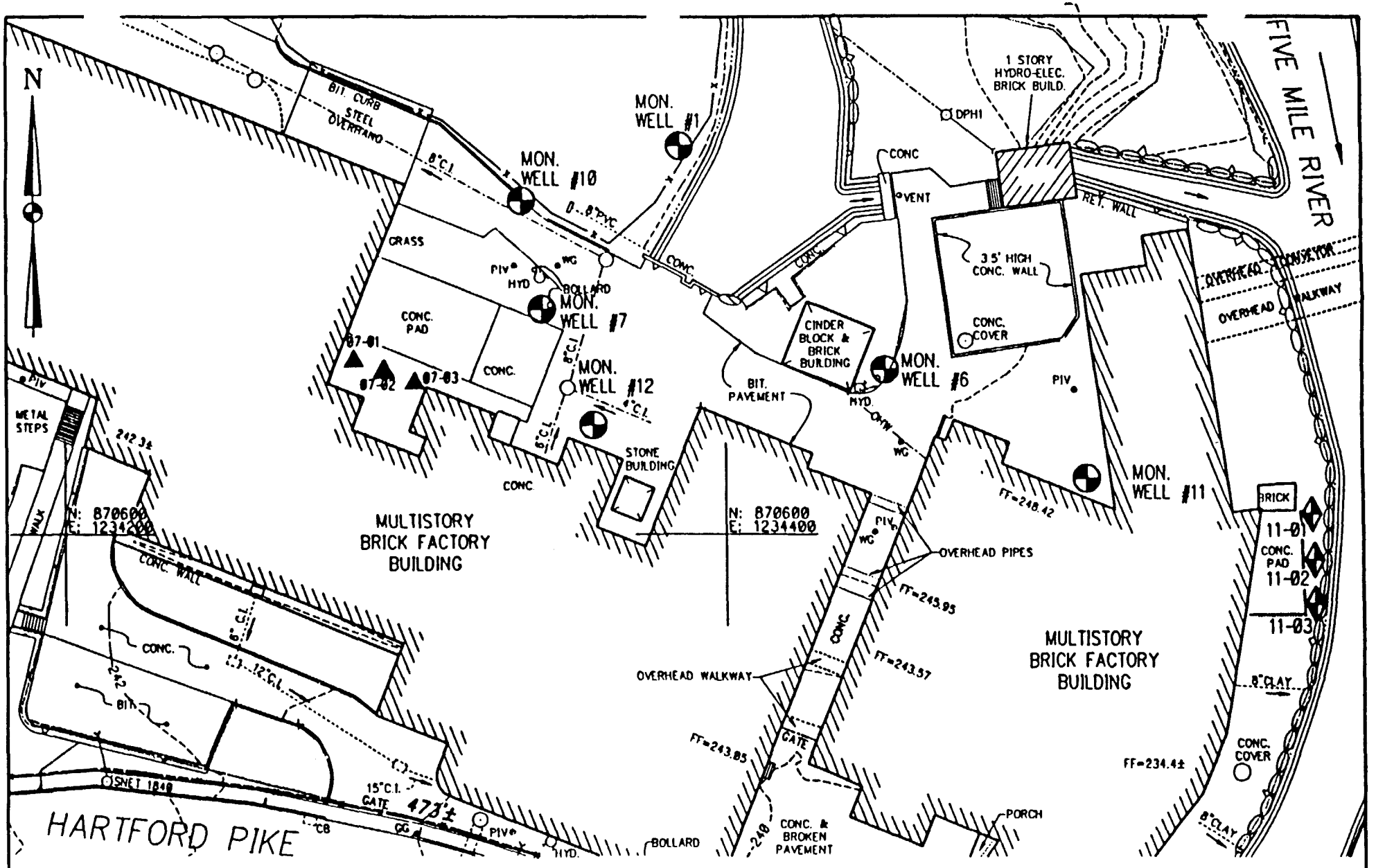
Field Sample ID	SB-06-01-01	SB-06-02-01	SB-06-02-01 (DUP)	SB-06-03-01	SB-06-04-01	SB-06-05-01	SB-06-06-01	SB-06-07-01	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	10/11/97	10/11/97	10/11/97	10/11/97	10/9/97	10/9/97	10/9/97	10/9/97		
Depth (feet bgs)	6-8	8-10	8-10	14-16	2-4	6-8	6-8	6-8		
TPH (MG/KG)	550	79	92	14	<11	<11	320	<12	2500[1]	500[1]
Volatiles (ug/kg)										
ACETONE	<23	<22	<23	<21	<23	<23	<24	<25	200,000,000	7,800,000
ACRYLONITRILE	<23	<22	<23	<21	<23	<23	<24	<25	11,000	1,000
BENZENE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	200,000	22,000
BROMODICHLOROMETHANE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	92,000	10,000
BROMOFORM	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	720,000	81,000
BROMOMETHANE	<11	<11	<11	<11	<11	<12	<12	<12	2,900,000	110,000
CARBON DISULFIDE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	200,000,000	7,800,000
CARBON TETRACHLORIDE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	44,000	5,000
CHLOROBENZENE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	410,000,000	1,600,000
CHLOROETHANE	<11	<11	<11	<11	<11	<12	<12	<12	820,000,000	31,000,000
CHLOROFORM	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	940,000	100,000
CHLOROMETHANE	<11	<12	<11	<11	<11	<12	<12	<12	440,000	49,000
DIBROMOCHLOROMETHANE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2		
DIBROMOMETHANE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2		
DICHLORODIFLUOROMETHANE	<23	<22	<22	<21	<23	<23	<24	<25	410,000,000	16,000,000
1,1-DICHLOROETHANE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	200,000,000	7,800,000
1,2-DICHLOROETHANE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	63,000	7,000
1,1-DICHLOROETHENE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	200,000,000	7,800,000
TRANS-1,2-DICHLOROETHANE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	9,500	1,100
1,2-DICHLOROPROPANE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	84,000	9,000
CIS-1,3-DICHLOROPROPENE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2		
TRANS-1,3-DICHLOROPROPENE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2		
ETHYLBENZENE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	200,000,000	7,800,000
2-HEXANONE	<11	<11	<11	<11	<11	<12	<12	<12	820,000,000	3,100,000
4-METHYL-2-PENTANONE (MIBK)	<11	<11	<11	<11	<11	<12	<12	<12		
METHYLENE CHLORIDE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	760,000	85,000
STYRENE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	410,000,000	16,000,000
1,1,1,2-TETRACHLOROETHANE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	220,000	25,000
1,1,2,2-TETRACHLOROETHANE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	29,000	32,000
TETRACHLOROETHENE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	110,000	12,000
TOLUENE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	410,000,000	160,000,000
1,1,1-TRICHLOROETHANE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	410,000,000	160,000,000
1,1,2-TRICHLOROETHANE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	100,000	11,000
TRICHLOROETHENE (TCE)	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	520,000	58,000
VINYL ACETATE	<11	<11	<11	<11	<11	<12	<12	<12	1,000,000	78,000,000
VINYL CHLORIDE	<11	<11	<11	<11	<11	<12	<12	<12	3,000	340
XYLENES (TOTAL)	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	1,000,000,000	160,000,000
METHACRYLONITIRILE	<23	<22	<23	<21	<23	<23	<24	<25	200,000	78,000
1,2-DIBROMO-3-CHLOROPROPANE (DBCP	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	41,000	460
TRICHLOROFLUOROMETHANE	<5.6	<5.6	<5.7	<5.4	<5.7	<5.9	<5.9	<6.2	610,000,000	23,000,000

1 = CTDEP Remediation Criteria
EPA Region III Risk-Based Concentration Tables for Direct Exposure, October 22, 1997
DUP = Dupl[illegible] ample
MS/MSD = [illegible] spike/matrix spike duplicate

TABLE 4-3
SUMMARY OF ANALYTICAL RESULTS FOR TPH AND VOCS
AOC 6 - FORMER DRUM STORAGE AREAS
PHASE I RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB-06-07-01 (DUP)	SB-06-08-01 (MS/MSD)	EQB-03	TB-03	METHOD BLANK	METHOD BLANK	EQB-05	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	10/9/97	10/7/97	10/9/97	10/9/97	10/9/97	10/11/97	10/11/97		
Depth (feet bgs)	6-8	4-6	--	--	--	--	--		
TPH (MG/KG)	<12	<11	<0.10	<0.10	<10	<10	<0.10	2500[1]	500[1]
Volatiles (ug/kg)									
ACETONE	<25	<23	<20	<20	<20	<20	<20	200,000,000	7,800,000
ACRYLONITRILE	<25	<23	<50	<50	<50	<20	<50	11,000	1,000
BENZENE	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0	200,000	22,000
BROMODICHLOROMETHANE	<6.2	<5.6	2.1	<1.0	<1.0	<5.0	2.1	92,000	10,000
BROMOFORM	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0	720,000	81,000
BROMOMETHANE	<12	<11	<5.0	<5.0	<5.0	<10	<5.0	2,900,000	110,000
CARBON DISULFIDE	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0	200,000,000	7,800,000
CARBON TETRACHLORIDE	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0	44,000	5,000
CHLOROBENZENE	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0	410,000,000	1,600,000
CHLOROETHANE	<12	<11	<10	<10	<10	<10	<1.0	820,000,000	31,000,000
CHLOROFORM	<6.2	<5.6	3.2	<1.0	<1.0	<5.0	3.6	940,000	100,000
CHLOROMETHANE	<12	<11	<10	<10	<10	<10	<10	440,000	49,000
DIBROMOCHLOROMETHANE	<6.2	<5.6	<1.0	<1.0	<5.0	<5.0	<1.0		
DIBROMOMETHANE	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0		
DICHLORODIFLUOROMETHANE	<23	<23	<10	<10	<1.0	<20	<10	410,000,000	16,000,000
1,1-DICHLOROETHANE	<6.2	<5.6	<1.0	<1.0	<10	<5.0	<10	200,000,000	7,800,000
1,2-DICHLOROETHANE	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0	63,000	7,000
1,1-DICHLOROETHENE	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0	200,000,000	7,800,000
TRANS-1,2-DICHLOROETHANE	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0	9,500	1,100
1,2-DICHLOROPROPANE	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0	84,000	9,000
CIS-1,3-DICHLOROPROPENE	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0		
TRANS-1,3-DICHLOROPROPENE	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0		
ETHYLBENZENE	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0	200,000,000	7,800,000
2-HEXANONE	<12	<11	<10	<10	<1.0	<10	<10	820,000,000	3,100,000
4-METHYL-2-PENTANONE (MIBK)	<12	<11	<10	<10	<10	<10	<5.0		
METHYLENE CHLORIDE	<6.2	<5.6	<1.0	<1.0	<5.0	<5.0	<1.0	760,000	85,000
STYRENE	<6.2	<5.6	<1.0	<1.0	<10	<5.0	<1.0	410,000,000	16,000,000
1,1,1,2-TETRACHLOROETHANE	<6.2	<5.6	<1.0	<1.0	<10	<5.0	<1.0	220,000	25,000
1,1,2,2-TETRACHLOROETHANE	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0	29,000	32,000
TETRACHLOROETHENE	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0	110,000	12,000
TOLUENE	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0	410,000,000	160,000,000
1,1,1-TRICHLOROETHANE	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0	410,000,000	160,000,000
1,1,2-TRICHLOROETHANE	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0	100,000	11,000
TRICHLOROETHENE (TCE)	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0	520,000	58,000
VINYL ACETATE	<12	<11	<10	<10	<1.0	<10	<10	1,000,000	78,000,000
VINYL CHLORIDE	<12	<11	<5.0	<5.0	<1.0	<10	<5.0	3,000	340
XYLENES (TOTAL)	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0	1,000,000,000	160,000,000
METHACRYLONITIRILE	<25	<23	<5.0	<5.0	<10	<20	<5.0	200,000	78,000
1,2-DIBROMO-3-CHLOROPROPANE (DBCP	<6.2	<5.6	<5.0	<5.0	<5.0	<5.0	<5.0	41,000	460
TRICHLOROFLUOROMETHANE	<6.2	<5.6	<1.0	<1.0	<1.0	<5.0	<1.0	610,000,000	23,000,000

1 = CTDEP Remediation Criteria
EPA Region III Risk-Based Concentration Tables for Direct Exposure, October 22, 1997
DUP = Dupl[illegible]mple
MS/MSD = [illegible]spike/matrix spike duplicate



LEGEND

- ▲ SHALLOW SOIL SAMPLING LOCATION
- ◆ SOIL BORING
- ⊕ MONITORING WELL

DRAWN BY	LPS
DATE	1/16/98
CHECKED BY	SS/RAD
SET JOB NO.	970330
SET DWG FILE	97330a05dwg
DRAWING SCALE	1"= 40'

SE TECHNOLOGIES
98 Vanadium Road Bridgeville, PA 15017 (412) 221-1100

WILLIAM PRYM, INC.
DAYVILLE, CONNECTICUT
PHASE I RFI
AOC No.s 7 AND 11
SOIL BORING LOCATIONS

DRAWING NAME: FIGURE 3-3
REV. B

Plot: eng035 01/19/1998 10:40 C:\970330\97330a05.dwg

TABLE 4-4
SUMMARY OF ANALYTICAL RESULTS FOR METALS
AOC 7 - ROLL-OFF BOX AREA
PHASE I RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SS-07-01-01	SS-07-02-01	SS-07-03-01	SS-07-03-01 (DUP)	EQB-02	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	10/8/97	10/8/97	10/8/97	10/8/97	10/8/97		
Depth (feet bgs)	0-1	0-1	0-1	0-1	--		
Metals (MG/KG)							
BARIUM, TOTAL	41	49	35	47	<0.010	140,000	5,500
LEAD, TOTAL	57	130	64	320	<0.002		
ZINC, TOTAL	280	970	1,800	1,200	<0.05	610,000	23,000
ARSENIC, TOTAL	2.8 J	3.9 J	2.3 J	3.1 J	<0.002 UJ	610	23
CADMIUM, TOTAL	0.96	1.6	0.98	0.95	<0.002	1,000	39
COPPER, TOTAL	980 J	710 J	1600 J	2100 J	<0.004 UJ	82,000	3,100
NICKEL, TOTAL	42 J	130 J	280 J	100 J	<0.003 UJ	41,000	1,600

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
A = The % R for the MS/MSD exceeded 125%.

TABLE 4-6
SUMMARY OF ANALYTICAL RESULTS FOR TPH AND VOCS
AOC 11 - CLOSED OIL STORAGE TANK
PHASE I RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

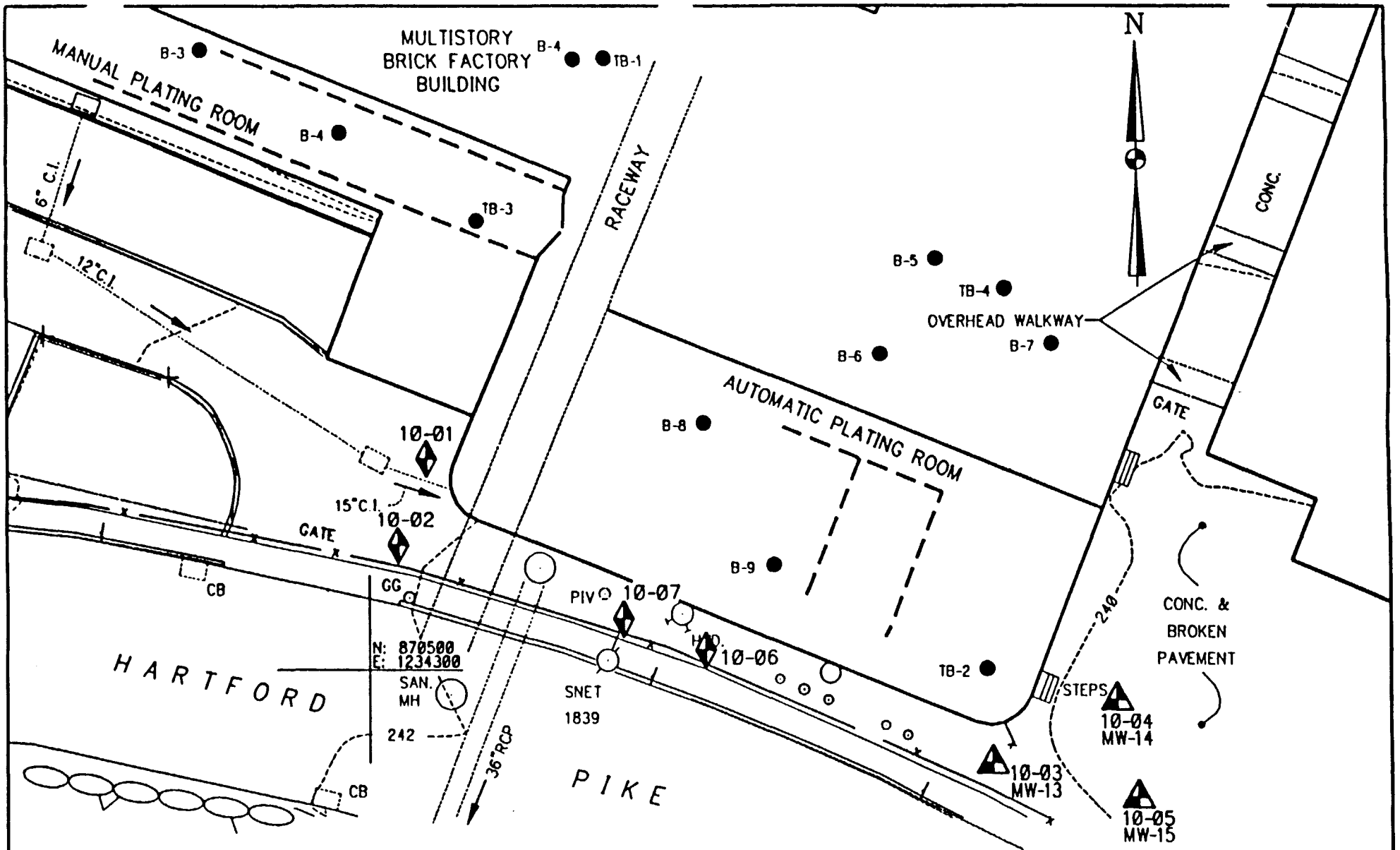
Field Sample ID	SB-11-01-01	SB-11-01-02	SB-11-02-01	SB-11-02-02	SB-11-02-02 (DUP)	SB-11-03-01	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	10/7/97	10/7/97	10/7/97	10/7/97	10/7/97	10/7/97		
Depth (feet bgs)	2-3	4-5	2-3	4-5	4-5	2.5-3.5		
TPH (MG/KG)	16,000	22,000	3,200	680	740	600	2500[1]	500[1]
Volatiles (ug/kg)								
ACETONE	<31	<1,800	<28	<40	<36	<30	200,000,000	7,800,000
ACRYLONITRILE	<31	<1,800	<28	<40	<36	<30	11,000	1,000
BENZENE	<7.8	<450	<6.9	<10	<9.1	<7.5	200,000	22,000
BROMODICHLOROMETHANE	<7.8	<450	<6.9	<10	<9.1	<7.5	92,000	10,000
BROMOFORM	<7.8	<450	<6.9	<10	<9.1	<7.5	720,000	81,000
BROMOMETHANE	<16	<890	<14	<20	<18	<15	2,900,000	110,000
CARBON DISULFIDE	<7.8	<450	<6.9	<10	<9.1	<7.5	200,000,000	7,800,000
CARBON TETRACHLORIDE	<7.8	<450	<6.9	<10	<9.1	<7.5	44,000	5,000
CHLOROBENZENE	<7.8	<450	<6.9	<10	<9.1	<7.5	410,000,000	1,600,000
CHLOROETHANE	<16	<890	<14	<20	<18	<15	820,000,000	31,000,000
CHLOROFORM	<7.8	<450	<6.9	<10	<9.1	<7.5	940,000	100,000
CHLOROMETHANE	<16	<890	<14	<20	<18	<15	440,000	49,000
DIBROMOCHLOROMETHANE	<7.8	<450	<6.9	<10	<9.1	<7.5		
DIBROMOMETHANE	<7.8	<450	<6.9	<10	<9.1	<7.5		
DICHLORODIFLUOROMETHANE	<31	<1800	<28	<40	<36	<30	410,000,000	16,000,000
1,1-DICHLOROETHANE	<7.8	<450	<6.9	<10	<9.1	<7.5	200,000,000	7,800,000
1,2-DICHLOROETHANE	<7.8	<450	<6.9	<10	<9.1	<7.5	63,000	7,000
1,1-DICHLOROETHENE	<7.8	<450	<6.9	<10	<9.1	<7.5	200,000,000	7,800,000
TRANS-1,2-DICHLOROETHANE	<7.8	<450	<6.9	<10	<9.1	<7.5	9,500	1,100
1,2-DICHLOROPROPANE	<7.8	<450	<6.9	<10	<9.1	<7.5	84,000	9,000
CIS-1,3-DICHLOROPROPENE	<7.8	<450	<6.9	<10	<9.1	<7.5		
TRANS-1,3-DICHLOROPROPENE	<7.8	<450	<6.9	<10	<9.1	<7.5		
ETHYLBENZENE	<7.8	<450	<6.9	<10	<9.1	<7.5	200,000,000	7,800,000
2-HEXANONE	<16	<890	<14	<20	<18	<15	820,000,000	3,100,000
4-METHYL-2-PENTANONE (MIBK)	<16	<890	<14	<20	<18	<15		
METHYLENE CHLORIDE	<7.8	<450	<6.9	<10	<9.1	<7.5	760,000	85,000
STYRENE	<7.8	<450	<6.9	<10	<9.1	<7.5	410,000,000	16,000,000
1,1,1,2-TETRACHLOROETHANE	<7.8	<450	<6.9	<10	<9.1	<7.5	220,000	25,000
1,1,2,2-TETRACHLOROETHANE	<7.8	<450	<6.9	<10	<9.1	<7.5	29,000	32,000
TETRACHLOROETHENE	<7.8	<450	<6.9	<10	<9.1	<7.5	110,000	12,000
TOLUENE	<7.8	<450	<6.9	<10	<9.1	<7.5	410,000,000	160,000,000
1,1,1-TRICHLOROETHANE	<7.8	<450	<6.9	<10	<9.1	<7.5	410,000,000	160,000,000
1,1,2-TRICHLOROETHANE	<7.8	<450	<6.9	<10	<9.1	<7.5	100,000	11,000
TRICHLOROETHENE (TCE)	<7.8	<450	<6.9	<10	<9.1	<7.5	520,000	58,000
VINYL ACETATE	<16	<890	<14	<20	<18	<15	1,000,000	78,000,000
VINYL CHLORIDE	<16	<890	<14	<20	<18	<15	3,000	340
XYLENES (TOTAL)	<7.8	<450	<6.9	<10	<9.1	<7.5	1,000,000,000	160,000,000
METHACRYLONITIRILE	<31	<1800	<28	<40	<36	<30	200,000	78,000
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<7.8	<450	<6.9	<10	<9.1	<7.5	41,000	460
TRICHLOROFLUOROMETHANE	<7.8	<450	<6.9	<10	<9.1	<7.5	610,000,000	23,000,000

1 = CTDEP Remediation Criteria
EPA Region '-Based Concentration Tables for Direct Exposure, October 22, 1997
N/A = Not A d

T. .: 4-6
SUMMARY OF ANALYTICAL RESULTS FOR TPH AND VOCS
AOC 11 - CLOSED OIL STORAGE TANK
PHASE I RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB-11-03-02	EQB-11-01	TRIP-VOC	TB-02	METHOD BLANK	METHOD BLANK	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	10/7/97	10/7/97	10/7/97	10/8/97	10/7/97	10/7/97		
Depth (feet bgs)	3.5-4.5	--	--	--	--	--		
TPH (MG/KG)	4,900	N/A	N/A	N/A	<9.9	<9.9	2500[1]	500[1]
Volatiles (ug/kg)								
ACETONE	<31	<20	<20	<20	<20	<20	200,000,000	7,800,000
ACRYLONITRILE	<31	<50	<50	<50	<50	<50	11,000	1,000
BENZENE	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0	200,000	22,000
BROMODICHLOROMETHANE	<7.7	2	2.4	<1.0	<1.0	<1.0	92,000	10,000
BROMOFORM	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0	720,000	81,000
BROMOMETHANE	<15	<5.0	<5.0	<5.0	<5.0	<5.0	2,900,000	110,000
CARBON DISULFIDE	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0	200,000,000	7,800,000
CARBON TETRACHLORIDE	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0	44,000	5,000
CHLOROBENZENE	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0	410,000,000	1,600,000
CHLOROETHANE	<15	<10	<10	<10	<10	<10	820,000,000	31,000,000
CHLOROFORM	<7.7	3.1	3.9	<1.0	<1.0	<1.0	940,000	100,000
CHLOROMETHANE	<15	<10	<10	<10	<10	<10	440,000	49,000
DIBROMOCHLOROMETHANE	<7.7	<1.0	1	<1.0	<5.0	<5.0		
DIBROMOMETHANE	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0		
DICHLORODIFLUOROMETHANE	<15	<10	<10	<10	<1.0	<1.0	410,000,000	16,000,000
1,1-DICHLOROETHANE	<7.7	<1.0	<1.0	<1.0	<10	<10	200,000,000	7,800,000
1,2-DICHLOROETHANE	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0	63,000	7,000
1,1-DICHLOROETHENE	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0	200,000,000	7,800,000
TRANS-1,2-DICHLOROETHANE	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0	9,500	1,100
1,2-DICHLOROPROPANE	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0	84,000	9,000
CIS-1,3-DICHLOROPROPENE	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0		
TRANS-1,3-DICHLOROPROPENE	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0		
ETHYLBENZENE	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0	200,000,000	7,800,000
2-HEXANONE	<15	<10	<10	<10	<1.0	<1.0	820,000,000	3,100,000
4-METHYL-2-PENTANONE (MIBK)	<15	<1.0	<10	<1.0	<10	<10		
METHYLENE CHLORIDE	<7.7	<10	<10	<10	<5.0	<5.0	760,000	85,000
STYRENE	<7.7	<1.0	<1.0	<1.0	<10	<10	410,000,000	16,000,000
1,1,1,2-TETRACHLOROETHANE	<7.7	<1.0	<1.0	<1.0	<10	<10	220,000	25,000
1,1,2,2-TETRACHLOROETHANE	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0	29,000	32,000
TETRACHLOROETHENE	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0	110,000	12,000
TOLUENE	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0	410,000,000	160,000,000
1,1,1-TRICHLOROETHANE	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0	410,000,000	160,000,000
1,1,2-TRICHLOROETHANE	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0	100,000	11,000
TRICHLOROETHENE (TCE)	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0	520,000	58,000
VINYL ACETATE	<15	<10	<10	<10	<1.0	<1.0	1,000,000	78,000,000
VINYL CHLORIDE	<15	<5.0	<5.0	<5.0	<1.0	<1.0	3,000	340
XYLENES (TOTAL)	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0	1,000,000,000	160,000,000
METHACRYLONITIRILE	<31	<5.0	<5.0	<5.0	<10	<10	200,000	78,000
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<7.7	<5.0	<5.0	<5.0	<5.0	<5.0	41,000	460
TRICHLOROFLUOROMETHANE	<7.7	<1.0	<1.0	<1.0	<1.0	<1.0	610,000,000	23,000,000

1 = CTDEP Remediation Criteria
EPA Region III Risk-Based Concentration Tables for Direct Exposure, October 22, 1997
N/A = Not Analyzed



LEGEND

- SOIL BORING
- SOIL BORING/WELL
- PAST PLATING ROOM BORINGS
- TRENCH

DRAWN BY	LPS
DATE	1/16/98
CHECKED BY	SS/RAD
SET JOB NO.	970330
SET DWG FILE	97330a06.dwg
DRAWING SCALE	1" = 20'

SE TECHNOLOGIES
98 Venedium Road Bridgeville, PA 15017 (412) 221-1100

WILLIAM PRYM, INC.
DAYVILLE, CONNECTICUT
PHASE I RFI
PLATING ROOM (AOC 10)
SOIL BORING AND MONITORING WELL LOCATIONS

DRAWING NAME: FIGURE 3-4
REV. B

Plot: eng035 01/19/1998 15:34 C:\970330\97330a06.dwg

TABLE 4-5
SUMMARY OF ANALYTICAL RESULTS FOR CYANIDE AND METALS
AOC-10 PLATING ROOM
PHASE I RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB-10-01-01	SB-10-01-02	SB-10-02-01	SB-10-02-02	SB-10-02-02 (DUP)	SB-10-03-01 (MS/MSD)	EQB-10-01[1]	EQB-10-02	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	10/12/97	10/12/97	10/16/97	10/16/97	10/16/97	10/13/97	10/12/97	10/13/97		
Depth (feet bgs)	5-7	7-8	7-9	9-11	7-9	5-7	--	--		
Total Cyanide (MG/KG)	<0.13	<0.12	<0.11	<0.11	<0.13	<0.12	<0.020	<0.02	41,000	1,600
Metals (MG/KG)										
BARIUM, TOTAL	11	72	29	32	13	25	<0.010	<0.01	140,000	5,500
LEAD, TOTAL	<5	6.6	26	63	<6.7	<6.1	<0.050	<0.05		
ZINC, TOTAL	12	36	21	22	9.2	33	<0.002	<0.002	610,000	23,000
ARSENIC, TOTAL	3	2.7	2.2	2	0.89	3.8	<0.002	<0.002	610	23
CADMIUM, TOTAL	<0.20	<0.19	<0.2	<0.20	<0.22	<0.2	<0.004	<0.004	1,000	39
COPPER, TOTAL	5.1	9.7	17	20	14	7.7	<0.002	<0.002	82,000	3,100
NICKEL, TOTAL	4.1	12	5.6	5.6	7.2	8.9	<0.0033	<0.0033	41,000	1,600

Field Sample ID	SB-10-03-02	SB-10-04-01	SB-10-04-02	SB-10-05-01	SB-10-05-02	EQB-10-03	EQB-10-04	EQB-10-05	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	10/13/97	10/15/97	10/15/97	10/13/97	10/13/97	10/14/97	10/15/97	10/16/97		
Depth (feet bgs)	7-9	5-7	7-9	5-7	7-9	--	--	--		
Total Cyanide (MG/KG)	<0.11	<0.12	<0.12	<0.099	<0.11	<0.02	<0.02	<0.02	41,000	1,600
Metals (MG/KG)										
BARIUM, TOTAL	39	37	25	36	63	<0.01	<0.01	<0.05	140,000	5,500
LEAD, TOTAL	<5.7	50	9	23	<6	<0.05	<0.05	<0.05		
ZINC, TOTAL	21	18	26	360	29	<0.002	<0.002	<0.002	610,000	23,000
ARSENIC, TOTAL	2.4	1.6	1.4	2.4	3.0	<0.002	<0.002	<0.002	610	23
CADMIUM, TOTAL	<0.19	<0.19	<0.21	<0.19	<0.2	<0.004	<0.004	<0.004	1,000	39
COPPER, TOTAL	8.5	16	11	13	9.7	<0.002	<0.002	<0.002	82,000	3,100
NICKEL, TOTAL	11	5.2	6.9	19	19	<0.0033	<0.0033	<0.0033	41,000	1,600

Field Sample ID	SB-10-06-01	SB-10-06-01 (DUP)	SB-10-07-01	SB-10-07-02 (MS/MSD)	METHOD BLANK (S)	METHOD BLANK (W)	METHOD BLANK (S)	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	10/14/97	10/14/97	10/14/97	10/14/97	10/14/97	10/12/97	10/12/97		
Depth (feet bgs)	4-5	4-5	4-6	6-7	--	--	--		
Total Cyanide (MG/KG)	<0.12	<0.12	<0.13	<0.098	<0.10	<0.020	<0.10	41,000	1,600
Metals (MG/KG)									
BARIUM, TOTAL	42	68	28	44	<0.90	<0.010	<0.90	140,000	5,500
LEAD, TOTAL	33	30	9.3	14	<5.5	<0.050	<4.5		
ZINC, TOTAL	41	33	17	22	<4.5	<0.002	<4.5	610,000	23,000
ARSENIC, TOTAL	<0.41	<0.41	3.4	2.5	<0.18	<0.002	<0.18	610	23
CADMIUM, TOTAL	0.34	<0.20	<0.19	<0.19	<0.18	<0.004	<0.18	1,000	39
COPPER, TOTAL	18	15	8.3	11	<0.36	<0.002	<0.36	82,000	3,100
NICKEL, TOTAL	10	9	8.1	9.8	<0.30	<0.0033	<0.30	41,000	1,600

EPA Region III Risk-Based Concentration Tables for Direct Exposure, October 22, 1997
DUP = Duplicate sample
MS/MSD = M[illegible]ke/matrix spike duplicate

TAL 3-4
SUMMARY OF ANALYTICAL RESULTS FOR CYANIDE AND METALS-SOILS
AOC 10 - FORMER NICKEL PLATING ROOM AREA
PHASE II RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB2-MW13D-01	SB2-MW16-01	SB-MW16-02 (SB-MW16-01 DUP)	SB2-MW16D-01	SB2-MW17-01	EQB-MW13D-01	EQB-MW16D-01	EQB-MW16-01	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	9/14/98	9/17/98	9/17/98	9/16/98	9/18/98	9/14/98	9/16/98	9/17/98		
Depth (feet bgs)	7-9	9-11	9-11	9-11	15-17	-	-	-		
						mg/L	mg/L			
Cyanide (MG/KG)	<0.14	<0.22	<0.33	<0.43	<0.39	<0.02	<0.02	<0.02	41,000	1,600
Metals, Total (MG/KG)										
BARIUM	53	29	31	32	48	<0.01	<0.01	<0.01	140,000	5,500
CADMIUM	<0.96	<0.94	<0.94	<0.95	<0.94	<0.01	<0.01	<0.01	1,000	390
COPPER	25	5.8	8.4	8.5	11	<0.024	<0.024	<0.024	8,200	3,100
LEAD	<4.8	<4.7	<4.7	<4.8	<4.7	<0.05	<0.05	<0.05		
ARSENIC	3.4	0.88	1.9	1.5	1.3	<0.002	<0.002	<0.002	3.8	0.43
NICKEL	22	4.4	7.3	8.4	8	<0.003	<0.003	<0.003	41,000	1,600

Field Sample ID	SB2-MW18-01	SB2-MW18-02	SB2-MW18-03	SB-MW18-04	SB2-MW18-05	SB2-MW18-06	SB2-MW18-07	EQB-MW17-01	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	9/10/98	9/10/98	9/10/98	9/10/98	9/10/98	9/10/98	9/11/98	9/18/98		
Depth (feet bgs)	0-2	2-4	4-6	6-8	8-10	10-12	12-14	-		
								mg/L		
Cyanide (MG/KG)	<0.12	<0.14	<0.15	<0.11	<0.14	<0.12	<0.14	<0.02	41,000	1,600
Metals, Total (MG/KG)										
BARIUM	38	38	41	36	49	32	34	<0.01	140,000	5,500
CADMIUM	<0.92	<0.92	<0.96	<0.93	<0.95	<0.93	<0.95	<0.01	1,000	390
COPPER	26	15	17	16	22	12	88	<0.024	8,200	3,100
LEAD	<4.6	8.6	30	<4.7	9.2	<4.7	<4.8	<0.05		
ARSENIC	3.1	2.7	2.4	2.3	1.8	1.6	2.3	<0.002	3.8	0.43
NICKEL	730	980	360	97	270	19	49	<0.003	41,000	1,600

Field Sample ID	SB2-MW19-01	SB2-MW19-02	SB2-MW19-08 (SB-MW19-02 DUP)	SB2-MW19-03	SB2-MW19-04	SB2-MW19-05	EQB-MW19-01	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	9/10/98	9/10/98	9/10/98	9/11/98	9/11/98	9/11/98	9/11/98		
Depth (feet bgs)	0-2	2-4	4-6	4-6	6-8	10-12	-		
							mg/L		
Cyanide (MG/KG)	<0.13	<0.13	<0.15	<0.62	<0.68	<0.56	<0.02	41,000	1,600
Metals, Total (MG/KG)									
BARIUM	28	39	53	32	24	43	<0.01	140,000	5,500
CADMIUM	5.1	7.1	9	1.8	<0.95	3.3	<0.01	1,000	390
COPPER	9	10	17	33	44	190	<0.024	8,200	3,100
LEAD	<5.3	<4.6	<4.7	38	<4.8	<4.8	<0.05		
ARSENIC	1.5	1.4	2.0	3.5	3.7	2.3	<0.002	3.8	0.43
NICKEL	390	590	540	19	17	360	<0.003	41,000	1,600

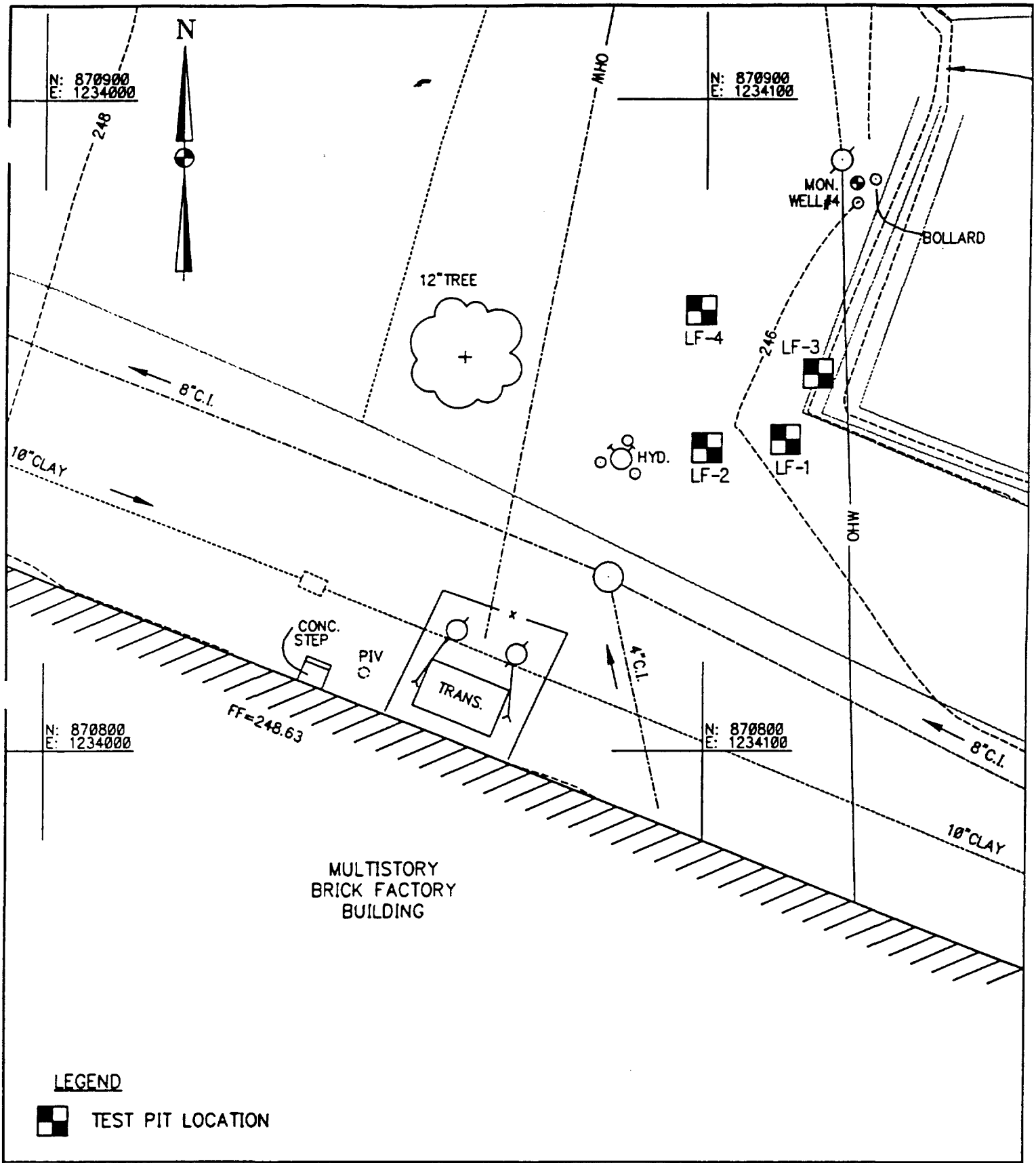
TABLE 3-4 (continued)
SUMMARY OF ANALYTICAL RESULTS FOR VOCS-SOILS
AOC 10 - FORMER NICKEL PLATING ROOM AREA
PHASE II RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB2-MW18-01	SB2-MW18-02	SB2-MW-18-03	SB2-MW18-04	SB2-MW18-05	SB2-MW18-06	SB2-MW18-07	SB2-MW19-01	SB2-MW19-02	SB-MW19-08 (SB2-MW19-02 DUP)	SB2-MW19-03	SB2-MW19-04	EPA RISK-BASED CONCENTRATIONS	EPA RISK-BASED CONCENTRATIONS
Date Collected	9/10/98	9/10/98	9/10/98	9/10/98	9/10/98	9/10/98	9/11/98	9/10/98	9/10/98	9/10/98	9/11/98	9/11/98		
Depth Collected	0-2	2-4	4-6	6-8	8-10	10-12	12-14	0-2	2-4	2-4	4-6	6-8	INDUSTRIAL	RESIDENTIAL
Volatiles (ug/kg)														
ACETONE	<100	<100	<110	<100	<110	<100	<110	<120	<100	<100	<110	<110	200,000,000	7,800,000
ACRYLONITRILE	<200	<200	<210	<210	<210	<210	<210	<240	<200	<210	<220	<210	11,000	1,200
BENZENE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	200,000	22,000
BROMODICHLOROMETHANE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	92,000	10,000
BROMOFORM	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	720,000	81,000
BROMOMETHANE	<25	<25	<27	<26	<26	<26	<26	<30	<26	<26	<27	<26	2,900,000	110,000
CARBON DISULFIDE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	200,000,000	7,800,000
CARBON TETRACHLORIDE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	44,000	4,900
CHLOROBENZENE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	41,000,000	1,600,000
CHLOROETHANE	<51	<51	<53	<52	<53	<52	<53	<59	<51	<52	<54	<53	2,000,000	220,000
CHLOROFORM	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	940,000	100,000
CHLOROMETHANE	<51	<51	<53	<52	<53	<52	<53	<59	<51	<52	<54	<53	440,000	49,000
1,2-DIBROMO-3-CHLOROPROPANE	<25	<25	<27	<26	<26	<26	<26	<30	<26	<26	<27	<26	41,000	460
DIBROMOCHLOROMETHANE	<51	<51	<53	<52	<53	<52	<53	<59	<51	<52	<54	<53	68,000	7,600
DIBROMOMETHANE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3		
DICHLORODIFLUOROMETHANE	<51	<51	<53	<52	<53	<52	<53	<59	<51	<52	<54	<53	410,000,000	16,000,000
1,1-DICHLOROETHANE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	200,000,000	7,800,000
1,2-DICHLOROETHANE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	63,000	7,000
1,1-DICHLOROETHENE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	9,500	110
TRANS-1,2-DICHLOROETHENE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	41,000,000	16,000,000
1,2-DICHLOROPROPANE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	84,000	9,000
CIS-1,3-DICHLOROPROPENE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3		
TRANS-1,3-DICHLOROPROPENE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3		
ETHYLBENZENE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	200,000,000	7,800,000
2-HEXANONE	<51	<51	<53	<52	<53	<52	<53	<59	<51	<52	<54	<53	82,000,000	3,100,000
METHACRYLONITRILE	<25	<25	<27	<26	<26	<26	<26	<30	<26	<26	<27	<26	200,000	7,800
4-METHYL-2-PENTANONE (MIBK)	<51	<51	<53	<52	<53	<52	<53	<59	<51	<52	<54	<53	160,000,000	6,300,000
METHYLENE CHLORIDE	<51	<51	<53	<52	<53	<52	<53	<59	<51	<52	<54	<53	760,000	85,000
STYRENE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	410,000,000	16,000,000
1,1,1,2-TETRACHLOROETHANE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	220,000	25,000
1,1,2,2-TETRACHLOROETHANE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	29,000	3,200
TETRACHLOROETHENE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	110,000	12,000
TOLUENE	<5.1	<5.1	<5.3	7.9	<5.3	<5.2	<5.3	<5.9	10	<5.2	<5.4	<5.3	410,000,000	16,000,000
1,1,1-TRICHLOROETHANE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	41,000,000	1,600,000
1,1,2-TRICHLOROETHANE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	100,000	11,000
TRICHLOROETHENE (TCE)	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	520,000	58,000
TRICHLOROFLUOROMETHANE	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	610,000,000	23,000,000
VINYL ACETATE	<51	<51	<53	<52	<53	<52	<53	<59	<51	<52	<54	<53	2,000,000,000	78,000,000
VINYL CHLORIDE	<25	<25	<27	<26	<26	<26	<26	<30	<26	<26	<27	<26	3,000	340
XYLENES (TOTAL)	<5.1	<5.1	<5.3	<5.2	<5.3	<5.2	<5.3	<5.9	<5.1	<5.2	<5.4	<5.3	4,100,000,000	160,000,000

TABLE 3-4 (continued)
SUMMARY OF ANALYTICAL RESULTS FOR VOCS-SOILS
AOC 10 - FORMER NICKEL PLATING ROOM AREA
PHASE II RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB2-MW19-05	EQB-MW19-01	TB-02	EQB-MW17-01	SB2-MW-17-01	EQB-MW16-01	SB2-MW16-01	SB2-MW16-02 (SB2-MW16-01 DUP)	TB-05	EQB-MW-16D-01	SB2-MW16D-01	SB2-MW13D-01	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	9/11/98	9/11/98	9/10/98	9/18/98	9/18/98	9/17/98	9/17/98	9/17/98	9/16/98	9/18/98	9/16/98	9/14/98		
Depth Collected	8-10	-	-	-	15-17	-	9-11	9-11	-	-	9-11	7-9		
Volatiles (ug/kg)		ug/L	ug/L	ug/L		ug/L				ug/l				
ACETONE	<110	<20	<20	<20	<100	<20	<100	<100	<20	<20	<110	<110	200,000,000	7,800,000
ACRYLONITRILE	<220	<50	<50	<50	<210	<50	<210	<210	<50	<50	<210	<210	11,000	1,200
BENZENE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	200,000	22,000
BROMODICHLOROMETHANE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	92,000	10,000
BROMOFORM	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	720,000	81,000
BROMOMETHANE	<27	<5.0	<5.0	<5.0	<26	<5.0	<26	<26	<5.0	<5.0	<27	<27	2,900,000	110,000
CARBON DISULFIDE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	200,000,000	7,800,000
CARBON TETRACHLORIDE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	44,000	4,900
CHLOROBENZENE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	41,000,000	1,600,000
CHLOROETHANE	<54	<10	<10	<10 UJ	<52 UJ	<10 UJ	<52 UJ	<52 UJ	<10 UJ	<10 UJ	<53	<53 UJ	2,000,000	220,000
CHLOROFORM	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	940,000	100,000
CHLOROMETHANE	<54	<10	<10	<10 UJ	<52 UJ	<10 UJ	<52 UJ	<52 UJ	<10 UJ	<10 UJ	<53	<53 UJ	440,000	49,000
1,2-DIBROMO-3-CHLOROPROPANE	<27	<5.0	<5.0	<5.0	<26	<5.0	<26	<26	<5.0	<5.0	<27	<27	41,000	460
DIBROMOCHLOROMETHANE	<54	<1.0	<1.0	<5.0	<52	<5.0	<52	<52	<1.0	<1.0	<53	<53	68,000	7,600
DIBROMOMETHANE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3		
DICHLORODIFLUOROMETHANE	<54	<10	<10	<10	<52	<10	<52	<52	<10	<10	<53	<53	410,000,000	16,000,000
1,1-DICHLOROETHANE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	200,000,000	7,800,000
1,2-DICHLOROETHANE	<5.4	<10	<10	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	63,000	7,000
1,1-DICHLOROETHENE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	9,500	110
TRANS-1,2-DICHLOROETHANE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	41,000,000	16,000,000
1,2-DICHLOROPROPANE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	84,000	9,000
CIS-1,3-DICHLOROPROPENE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3		
TRANS-1,3-DICHLOROPROPENE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3		
ETHYLBENZENE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	200,000,000	7,800,000
2-HEXANONE	<54	<10	<10	<10	<52	<10	<52	<52	<10	<10	<53	<53	82,000,000	3,100,000
METHACRYLONITRILE	<27	<5.0	<5.0	<5.0	<26	<5.0	<26	<26	<5.0	<5.0	<27	<27	200,000	7,800
4-METHYL-2-PENTANONE (MIBK)	<54	<10	<10	<10	<52	<10	<52	<52	<10	<10	<53	<53	160,000,000	6,300,000
METHYLENE CHLORIDE	<54	<10	<10	<10	<52	<10	<52	<52	<10	<10	<53	<53	760,000	85,000
STYRENE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	410,000,000	16,000,000
1,1,1,2-TETRACHLOROETHANE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	220,000	25,000
1,1,2,2-TETRACHLOROETHANE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	29,000	3,200
TETRACHLOROETHENE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	110,000	12,000
TOLUENE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	21	410,000,000	16,000,000
1,1,1-TRICHLOROETHANE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	41,000,000	1,600,000
1,1,2-TRICHLOROETHANE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	100,000	11,000
TRICHLOROETHENE (TCE)	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	520,000	58,000
TRICHLOROFLUOROMETHANE	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	610,000,000	23,000,000
VINYL ACETATE	<54	<10	<10	<10	<52	<10	<52	<52	<10	<10	<53	<53	2,000,000,000	78,000,000
VINYL CHLORIDE	<27	<5.0	<5.0	<5.0	<26	<5.0	<26	<26	<5.0	<5.0	<27	<27	3,000	340
XYLENES (TOTAL)	<5.4	<1.0	<1.0	<1.0	<5.2	<1.0	<5.2	<5.2	<1.0	<1.0	<5.3	<5.3	4,100,000,000	160,000,000

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.



DRAWN BY	LPS	
DATE	1-16-98	
CHECKED BY	SS/RAD	
JB NO.	970330	
SET DWG FILE	97330a09.dwg	
DRAWING SCALE	1" = 20'	

SE TECHNOLOGIES
98 Vanadium Road Bridgeville, PA 15017 (412) 221-1188

WILLIAM PRYM, INC.
DAYVILLE, CONNECTICUT
PHASE I RFI
AOC No. 12
TRENCH LOCATIONS

DRAWING NAME: FIGURE 3-5
REV. B

Plot: eng035 01/30/1998 08:40 97330a09.dwg

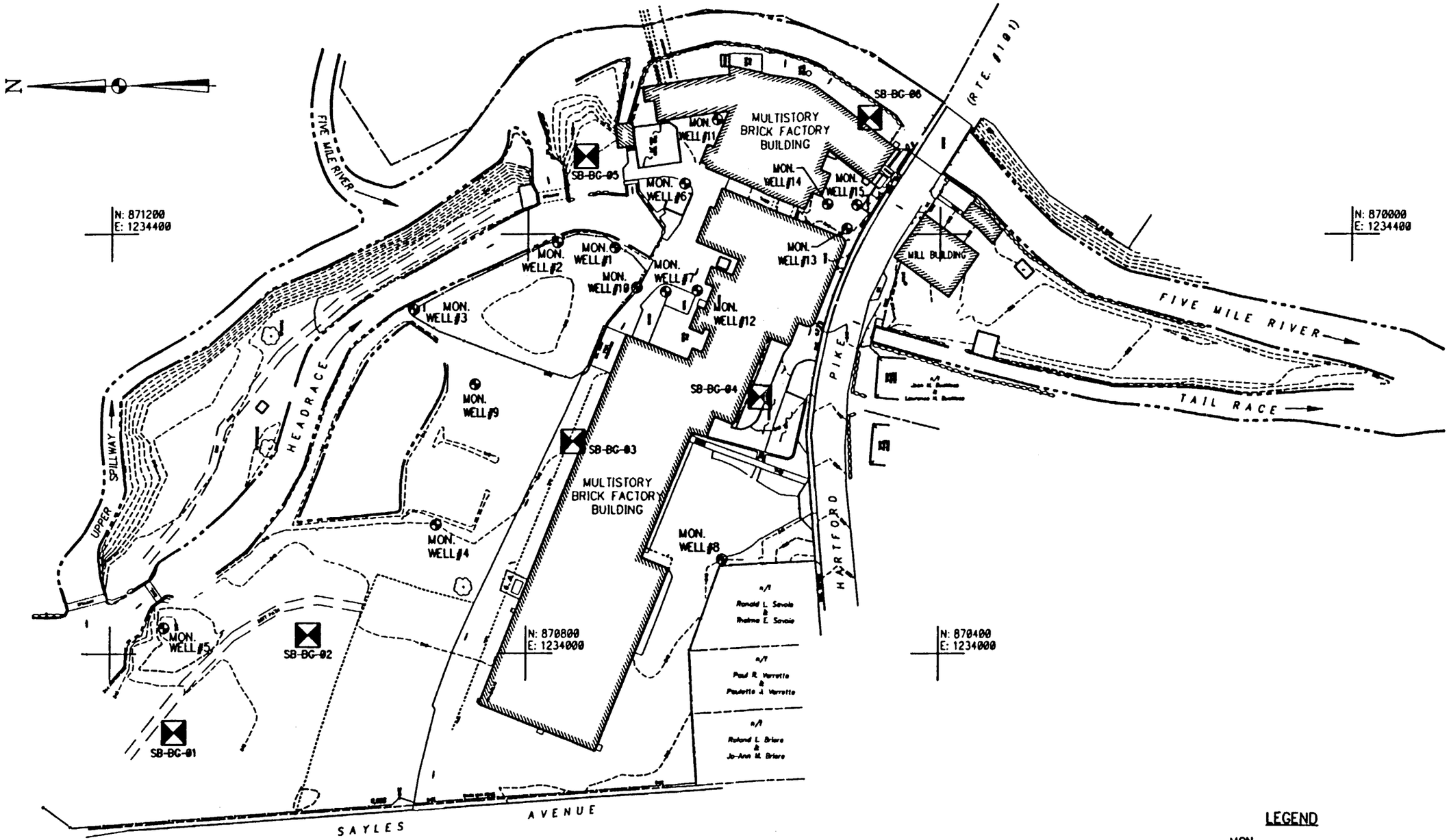
TABLE 4-7
SUMMARY OF ANALYTICAL RESULTS FOR TPH AND VOCS
AOC 12 - FORMER LEACH FIELD
PHASE I RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	LF-1	LF-2	LF-3	LF-4	LF-5 (EQB)	LF-6	METHOD BLANK	METHOD BLANK	EPA RISK-BASED CONCENTRATIONS	EPA RISK-BASED CONCENTRATIONS
Date Collected	5/30/97	5/30/97	5/30/97	5/30/97	5/30/97	5/30/97	5/30/97	5/30/97	INDUSTRIAL	RESIDENTIAL
TPH (MG/KG)	37	<13	<14	<0.10	<14	<0.10	<10	<10	2500[1]	500[1]
Volatiles (ug/kg)										
ACETONE	<24	<26	<27	<28	<20	<28	<20	<20	200,000,000	7,800,000
ACROLEIN	<24	<26	<27	<28	<20	<28	<20	<20	11,000	1,000
ACRYLONITRILE	<24	<26	<27	<28	<20	<28	<20	<20	200,000	22,000
BENZENE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	92,000	10,000
BROMODICHLOROMETHANE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	720,000	81,000
BROMOFORM	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	2,900,000	110,000
BROMOMETHANE	<12	<13	<14	<14	<10	<14	<10	<10	200,000,000	7,800,000
2-BUTANONE (MEK)	<12	<13	<14	<14	<10	<14	<10	<10	44,000	5,000
CARBON DISULFIDE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	410,000,000	1,600,000
CARBON TETRACHLORIDE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	820,000,000	31,000,000
CHLOROBENZENE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	940,000	100,000
CHLOROETHANE	<12	<13	<14	<14	<10	<14	<10	<10	440,000	49,000
2-CHLOROETHYL VINYL ETHER	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0		
CHLOROFORM	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0		
CHLOROMETHANE	<12	<13	<14	<14	<10	<14	<10	<10	410,000,000	160,000,000
DIBROMOCHLOROMETHANE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	200,000,000	7,800,000
1,2-DIBROMOMETHANE (EDB)	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	63,000	7,000
DIBROMOMETHANE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	200,000,000	7,800,000
1,2-DICHLOROBENZENE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	9,500	1,100
1,3-DICHLOROBENZENE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	84,000	9,000
1,4-DICHLOROBENZENE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0		
1,1-DICHLOROETHANE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0		
1,2-DICHLOROETHANE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	200,000,000	7,800,000
1,1-DICHLOROETHENE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	820,000,000	3,100,000
CIS-1,2-DICHLOROETHENE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0		
TRANS-1,2-DICHLOROETHANE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	760,000	85,000
1,2-DICHLOROPROPANE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	410,000,000	16,000,000
CIS-1,3-DICHLOROPROPENE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	220,000	25,000
TRANS-1,3-DICHLOROPROPENE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	29,000	32,000
ETHYLBENZENE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	110,000	12,000
2-HEXANONE	<12	<13	<14	<14	<10	<14	<10	<10	410,000,000	160,000,000
METHYL TERT-BUTYL ETHER (MTBE)	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	10,000,000	390,000
4-METHYL-2-PENTANONE (MIBK)	<12	<13	<14	<14	<10	<14	<10	<10	100,000	11,000
METHYLENE CHLORIDE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	520,000	58,000
STYRENE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	1,000,000	78,000,000
1,1,1,2-TETRACHLOROETHANE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	3,000	340
1,1,2,2-TETRACHLOROETHANE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	1,000,000,000	160,000,000
TETRACHLOROETHENE	<6.1	<6.5	13	<7.0	<5.0	<6.9	<5.0	<5.0	110,000	12,000
TOLUENE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	410,000,000	160,000,000
1,1,1-TRICHLOROETHANE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	410,000,000	160,000,000
1,1,2-TRICHLOROETHANE	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	100,000	11,000
TRICHLOROETHENE (TCE)	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0		
VINYL ACETATE	<12	<13	<14	<14	<10	<14	<10	<10	1,000,000	78,000
VINYL CHLORIDE	<12	<13	<14	<14	<10	<14	<10	<10	3,000	340
XYLENES (TOTAL)	<6.1	<6.5	<6.9	<7.0	<5.0	<6.9	<5.0	<5.0	1,000,000	160,000

1 = CTDEP Remediation Criteria
EPA Region III Risk-Based Concentration Tables for Direct Exposure, October 22, 1997

TABLE 4-7
SUMMARY OF ANALYTICAL RESULTS FOR CYANIDE AND METALS
AOC 12 - FORMER LEACH FIELD
PHASE I RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	LF-1	LF-2	LF-3	LF-4	LF-5 (EQB)	LF-6	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	5/30/97	5/30/97	5/30/97	5/30/97	5/30/97	5/30/97		
Cyanide (MG/KG)	<1.2	<1.1	<1.3	<1.4	<0.20	<1.3	41,000	1,600
Metals (MG/KG)								
BARIUM, TOTAL	32	35	61	56	<0.024	37	140,000	5,500
LEAD, TOTAL	54	20	60	48	<0.024	99		
ZINC, TOTAL	35	25	49	38	<0.050	42	610,000	23,000
ARSENIC, TOTAL	8.8	4.4	11	10	<0.02	10	610	23
CADMIUM, TOTAL	<1.1	<1.2	<1.2	<1.3	<0.10	<1.2	1,000	39
COPPER, TOTAL	41	15	33	13	<0.024	77	82,000	3,100
NICKEL, TOTAL	12	7.9	10	12	<0.024	15	41,000	1,600
CHROMIUM, TOTAL	200	19	86	21	<0.024	250	10,000	390



LEGEND

MON. WELL ⊕ MONITORING WELL

☒ BACKGROUND SOIL SAMPLING LOCATION

REFERENCE: "TOPOGRAPHIC SURVEY PREPARED FOR PRYM MILL" BY KWP ASSOCIATES, PROMFRET CENTER, CONNECTICUT DATED 6/10/97

ELEVATIONS BASED ON NAD29; HORIZONTAL COORDINATES BASED ON CONNECTICUT GRID SYSTEM

DRAWN BY	LPS
DATE	1/16/98
CHECKED BY	SS/RAD
SET JOB NO.	970330
SET DWG FILE	97330b02.dwg
DRAWING SCALE	1"=100'

SE TECHNOLOGIES
90 Vanadium Road Bridgeville, PA 15017 (412) 221-1100

WILLIAM PRYM, INC
DAYVILLE, CONNECTICUT
PHASE I RFI
BACKGROUND SOIL SAMPLING LOCATIONS

DRAWING NAME: FIGURE 3-7
REV. B

Plot: eng035 01/19/1998 11:07 C:\970330\97330b02.dwg

TABLE 4-8
SUMMARY OF ANALYTICAL RESULTS FOR CYANIDE AND METALS
BACKGROUND SOIL SAMPLES
PHASE I RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB-BG-01-01 (MS/MSD)	SB-BG-02-01	SB-BG-02-02	SB-BG-03-01	SB-BG-03-01 DUP	SB-BG-03-02	EQB-02	METHOD BLANK	SB-BG-04-01 (MS/MSD)	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	10/8/97	10/8/97	10/8/97	10/8/97	10/8/97	10/8/97	10/8/97	10/8/97	10/10/97		
Depth (feet bgs)	0-0.5	0-0.5	2-3	0-0.5	0-0.5	2-3	--	--	0-0.5		
Cyanide (MG/KG)	<0.15	<0.13	<0.095	<0.13	<0.13	<0.091	<0.02	<0.10	<0.11	41,000	1,600
Metals (MG/KG)											
BARIUM, TOTAL	32	23	18	42	38	28	<0.01	<0.90	46	140,000	5,500
LEAD, TOTAL	180	13	10	18	20	100	<0.002	<4.5	77		
ZINC, TOTAL	31	21	15	45	43	71	<0.05	<4.5	49	610,000	23,000
ARSENIC, TOTAL	44 J	1.7 J	1.5 J	2.6 J	3.8 J	1.3 J	<0.002 UJ	<0.18	3.1	610	23
CADMIUM, TOTAL	<0.21	<0.19	<0.19	<0.20	<0.19	<0.20	<0.002	<0.18	0.42	1,000	39
COPPER, TOTAL	21 J	13 J	12 J	41 J	35 J	29 J	<0.004 UJ	<0.36	28	82,000	3,100
NICKEL, TOTAL	12 J	7.2 J	7.4 J	37 J	42 J	7.8 J	<0.003 A	<0.30	11	41,000	1,600

Field Sample ID	SB-BG-04-02	SB-BG-05-01	SB-BG-05-01 (DUP)	SB-BG-05-02	SB-BG-06-01	SB-BG-06-02	EQB-04	METHOD BLANK	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	10/10/97	10/10/97	10/10/97	10/10/97	10/10/97	10/10/97	10/10/97	10/8/97		
Depth (feet bgs)	2-3	0-0.5	0-0.5	2-3	0-0.5	2-3	--	--		
Cyanide (MG/KG)	<0.091	<0.16	<0.08	<0.13	<0.16	<0.15	<0.02	<0.10	41,000	1,600
Metals (MG/KG)										
BARIUM, TOTAL	37	61	68	130	78	61	<0.01	<0.90	140,000	5,500
LEAD, TOTAL	7	190	170	270	170	260	<0.002	<4.5		
ZINC, TOTAL	17	110	100	210	120	87	<0.05	<4.5	610,000	23,000
ARSENIC, TOTAL	1.9	6.7	6.1	22	5.8	8.4	<0.002	<0.18	610	23
CADMIUM, TOTAL	<0.22	0.24	<0.20	0.5	0.42	<0.22	<0.002	<0.18	1,000	39
COPPER, TOTAL	13	75	75	76	95	890	<0.004	<0.36	82,000	3,100
NICKEL, TOTAL	7.6	57	46	14	10	7.4	<0.003	<0.30	41,000	1,600

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
A = The %R for the MS/MSD exceeded 125%.

EPA Region III Risk-Based Concentration Tables for Direct Exposure, October 22, 1997
DUP = Duplicate sample
MS/MSD = Matrix spike/matrix spike duplicate

TABLE 4-8
SUMMARY OF ANALYTICAL RESULTS FOR TPH AND VOCS
BACKGROUND SOIL SAMPLES
PHASE I RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB-BG-01-01 (MS/MSD)	SB-BG-02-01	SB-BG-02-02	SB-BG-03-01	SB-BG-03-01 (DUP)	SB-BG-03-02	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	10/8/97	10/8/97	10/8/97	10/8/97	10/8/97	10/8/97		
Depth (feet bgs)	0-0.5	0-0.5	2-3	0-0.5	0-0.5	2-3		
TPH (MG/KG)	240	50	18	75	79	110	2500[1]	500[1]
Volatiles (ug/kg)								
ACETONE	<23	<22	<21	<22	<22	<21	200,000,000	7,800,000
ACRYLONITRILE	<23	<22	<21	<22	<22	<21	11,000	1,000
BENZENE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	200,000	22,000
BROMODICHLOROMETHANE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	92,000	10,000
BROMOFORM	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	720,000	81,000
BROMOMETHANE	<12	<11	<11	<11	<11	<11	2,900,000	110,000
CARBON DISULFIDE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	200,000,000	7,800,000
CARBON TETRACHLORIDE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	44,000	5,000
CHLOROBENZENE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	410,000,000	1,600,000
CHLOROETHANE	<12	<11	<11	<11	<11	<11	820,000,000	31,000,000
CHLOROFORM	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	940,000	100,000
CHLOROMETHANE	<12	<11	<11	<11	<11	<11	440,000	49,000
DIBROMOCHLOROMETHANE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3		
DICHLORODIFLUOROMETHANE	<23	<22	<21	<22	<22	<21	410,000,000	16,000,000
DIBROMOMETHANE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3		
1,1-DICHLOROETHANE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	200,000,000	7,800,000
1,2-DICHLOROETHANE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	63,000	7,000
1,1-DICHLOROETHENE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	200,000,000	7,800,000
TRANS-1,2-DICHLOROETHANE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	9,500	1,100
1,2-DICHLOROPROPANE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	84,000	9,000
CIS-1,3-DICHLOROPROPENE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3		
TRANS-1,3-DICHLOROPROPENE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3		
ETHYLBENZENE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	200,000,000	7,800,000
2-HEXANONE	<12	<11	<11	<11	<11	<11	820,000,000	3,100,000
4-METHYL-2-PENTANONE (MIBK)	<12	<11	<11	<11	<11	<11		
METHYLENE CHLORIDE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	760,000	85,000
STYRENE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	410,000,000	16,000,000
1,1,1,2-TETRACHLOROETHANE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	220,000	25,000
1,1,2,2-TETRACHLOROETHANE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	29,000	32,000
TETRACHLOROETHENE	<5.8	<5.4	<5.3	7.3	<5.4	<5.3	110,000	12,000
TOLUENE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	410,000,000	160,000,000
1,1,1-TRICHLOROETHANE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	410,000,000	160,000,000
1,1,2-TRICHLOROETHANE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	100,000	11,000
TRICHLOROETHENE (TCE)	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	520,000	58,000
VINYL ACETATE	<12	<11	<11	<11	<11	<11	1,000,000	78,000,000
VINYL CHLORIDE	<12	<11	<11	<11	<11	<11	3,000	340
XYLENES (TOTAL)	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	1,000,000,000	160,000,000
METHACRYLONITIRILE	<23	<22	<21	<22	<22	<21	200,000	78,000
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	41,000	460
TRICHLOROFLUOROMETHANE	<5.8	<5.4	<5.3	<5.4	<5.4	<5.3	610,000,000	23,000,000

1 = CTDEP Remediation Criteria
EPA Region III Risk-Based Concentration Tables for Direct Exposure, October 22, 1997
DUP = Duplicate sample
MS/MSD = Matrix spike/matrix spike duplicate

TABLE 4-8
SUMMARY OF ANALYTICAL RESULTS FOR TPH AND VOCS
BACKGROUND SOIL SAMPLES
PHASE I RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB-BG-04-01 (MS/MSD)	SB-BG-04-02	SB-BG-05-01	EQB-02	METHOD BLANK	TB-02	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	10/10/97	10/10/97	10/10/97	10/8/97	10/8/97	10/8/97		
Depth (feet bgs)	0-0.5	2-3	0-0.5	--	--	--		
TPH (MG/KG)	77	16	140	<0.10	<0.10	<0.10	2500[1]	500[1]
Volatiles (ug/kg)								
ACETONE	<22	<23	<25	<20	<20	<20	200,000,000	7,800,000
ACRYLONITRILE	<22	<23	<25	<50	<20	<50	11,000	1,000
BENZENE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	200,000	22,000
BROMODICHLOROMETHANE	<5.5	<5.7	<6.2	2	<5.0	<1.0	92,000	10,000
BROMOFORM	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	720,000	81,000
BROMOMETHANE	<11	<11	<12	<5.0	<10	<5.0	2,900,000	110,000
CARBON DISULFIDE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	200,000,000	7,800,000
CARBON TETRACHLORIDE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	44,000	5,000
CHLOROBENZENE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	410,000,000	1,600,000
CHLOROETHANE	<11	<11	<12	<1.0	<10	<1.0	820,000,000	31,000,000
CHLOROFORM	<5.5	<5.7	<6.2	3.2	<5.0	<1.0	940,000	100,000
CHLOROMETHANE	<11	<11	<12	<10	<10	<10	440,000	49,000
DIBROMOCHLOROMETHANE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0		
DICHLORODIFLUOROMETHANE	<23	<23	<25	<10	<10	<10	410,000,000	16,000,000
DIBROMOMETHANE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0		
1,1-DICHLOROETHANE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	200,000,000	7,800,000
1,2-DICHLOROETHANE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	63,000	7,000
1,1-DICHLOROETHENE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	200,000,000	7,800,000
TRANS-1,2-DICHLOROETHANE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	9,500	1,100
1,2-DICHLOROPROPANE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	84,000	9,000
CIS-1,3-DICHLOROPROPENE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0		
TRANS-1,3-DICHLOROPROPENE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0		
ETHYLBENZENE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	200,000,000	7,800,000
2-HEXANONE	<11	<11	<12	<10	<10	<10	820,000,000	3,100,000
4-METHYL-2-PENTANONE (MIBK)	<11	<11	<12	<10	<10	<10		
METHYLENE CHLORIDE	<5.5	<5.7	<6.2	<10	<5.0	<10	760,000	85,000
STYRENE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	410,000,000	16,000,000
1,1,1,2-TETRACHLOROETHANE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	220,000	25,000
1,1,2,2-TETRACHLOROETHANE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	29,000	32,000
TETRACHLOROETHENE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	110,000	12,000
TOLUENE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	410,000,000	160,000,000
1,1,1-TRICHLOROETHANE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	410,000,000	160,000,000
1,1,2-TRICHLOROETHANE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	100,000	11,000
TRICHLOROETHENE (TCE)	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	520,000	58,000
VINYL ACETATE	<11	<11	<12	<10	<10	<10	1,000,000	78,000,000
VINYL CHLORIDE	<11	<11	<12	<5.0	<10	<5.0	3,000	340
XYLENES (TOTAL)	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	1,000,000,000	160,000,000
METHACRYLONITIRILE	<22	<23	<25	<5.0	<20	<5.0	200,000	78,000
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<5.5	<5.7	<6.2	<5.0	<5.0	<5.0	41,000	460
TRICHLOROFLUOROMETHANE	<5.5	<5.7	<6.2	<1.0	<5.0	<1.0	610,000,000	23,000,000

1 = CTDEP Remediation Criteria
EPA Region III Risk-Based Concentration Tables for Direct Exposure, October 22, 1997
DUP = Duplicate sample
MS/MSD = Matrix spike/matrix spike duplicate

TABLE 4-8
SUMMARY OF ANALYTICAL RESULTS FOR TPH AND VOCS
BACKGROUND SOIL SAMPLES
PHASE I RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB-BG-05-01 (DUP)	SB-BG-05-02	SB-BG-06-01	SB-BG-06-02	EQB-04	METHOD BLANK	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	10/10/97	10/10/97	10/10/97	10/10/97	10/8/97	10/8/97		
Depth (feet bgs)	0-0.5	2-3	0-0.5	2-3	--	--		
TPH (MG/KG)	69	39	780	8000	<0.10	<10	2500[1]	500[1]
Volatiles (ug/kg)								
ACETONE	<26	<20	<24	<26	<20	<20	200,000,000	7,800,000
ACRYLONITRILE	<26	<20	<24	<26	<50	<20	11,000	1,000
BENZENE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	200,000	22,000
BROMODICHLOROMETHANE	<6.5	<5.0	<6.1	<6.6	1.9	<5.0	92,000	10,000
BROMOFORM	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	720,000	81,000
BROMOMETHANE	<13	<10	<12	<13	<5.0	<10	2,900,000	110,000
CARBON DISULFIDE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	200,000,000	7,800,000
CARBON TETRACHLORIDE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	44,000	5,000
CHLOROBENZENE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	410,000,000	1,600,000
CHLOROETHANE	<13	<10	<12	<13	<1.0	<10	820,000,000	31,000,000
CHLOROFORM	<6.5	<5.0	<6.1	<6.6	2.9	<5.0	940,000	100,000
CHLOROMETHANE	<13	<10	<12	<13	<10	<10	440,000	49,000
DIBROMOCHLOROMETHANE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0		
DICHLORODIFLUOROMETHANE	<26	<23	<24	<26	<10	<10	410,000,000	16,000,000
DIBROMOMETHANE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0		
1,1-DICHLOROETHANE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	200,000,000	7,800,000
1,2-DICHLOROETHANE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	63,000	7,000
1,1-DICHLOROETHENE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	200,000,000	7,800,000
TRANS-1,2-DICHLOROETHANE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	9,500	1,100
1,2-DICHLOROPROPANE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	84,000	9,000
CIS-1,3-DICHLOROPROPENE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0		
TRANS-1,3-DICHLOROPROPENE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0		
ETHYLBENZENE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	200,000,000	7,800,000
2-HEXANONE	<13	<10	<12	<13	<10	<10	820,000,000	3,100,000
4-METHYL-2-PENTANONE (MIBK)	<13	<10	<12	<13	<10	<10		
METHYLENE CHLORIDE	<6.5	<5.0	<6.1	<6.6	<10	<5.0	760,000	85,000
STYRENE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	410,000,000	16,000,000
1,1,1,2-TETRACHLOROETHANE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	220,000	25,000
1,1,2,2-TETRACHLOROETHANE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	29,000	32,000
TETRACHLOROETHENE	<6.5	6	<6.1	<6.6	<1.0	<5.0	110,000	12,000
TOLUENE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	410,000,000	160,000,000
1,1,1-TRICHLOROETHANE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	410,000,000	160,000,000
1,1,2-TRICHLOROETHANE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	100,000	11,000
TRICHLOROETHENE (TCE)	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	520,000	58,000
VINYL ACETATE	<13	<10	<12	<13	<10	<10	1,000,000	78,000,000
VINYL CHLORIDE	<13	<10	<12	<13	<5.0	<10	3,000	340
XYLENES (TOTAL)	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	1,000,000,000	160,000,000
METHACRYLONITIRILE	<26	<23	<24	<26	<5.0	<20	200,000	78,000
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<6.5	<5.0	<6.1	<6.6	<5.0	<5.0	41,000	460
TRICHLOROFLUOROMETHANE	<6.5	<5.0	<6.1	<6.6	<1.0	<5.0	610,000,000	23,000,000

1 = CTDEP Remediation Criteria
EPA Region III Risk-Based Concentration Tables for Direct Exposure, October 22, 1997
DUP = Duplicate sample
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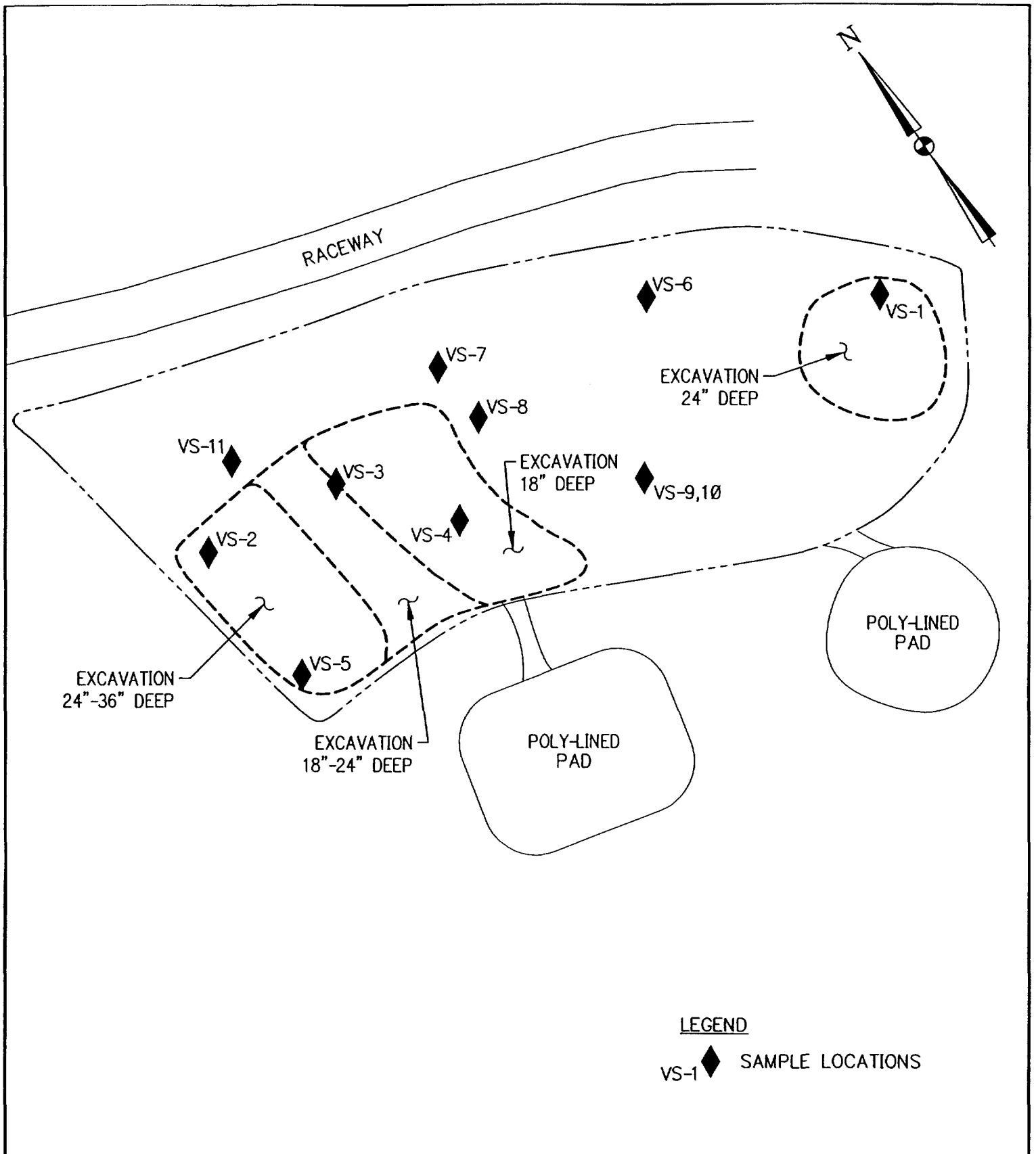


DRAWN BY	NLR
DATE	
CHECKED BY	
SET JOB NO.	970179
SET DWG FILE	97179A02.DWG
DRAWING SCALE	1"=20' APPROX.

SE TECHNOLOGIES
98 Vanadium Road Bridgeville, PA 15017 (412) 221-1100

WILLIAM PRYM, INC.
DAYVILLE, CONNECTICUT

MILL POND ICM
VERIFICATION SAMPLE LOCATION MAP

FIGURE 4

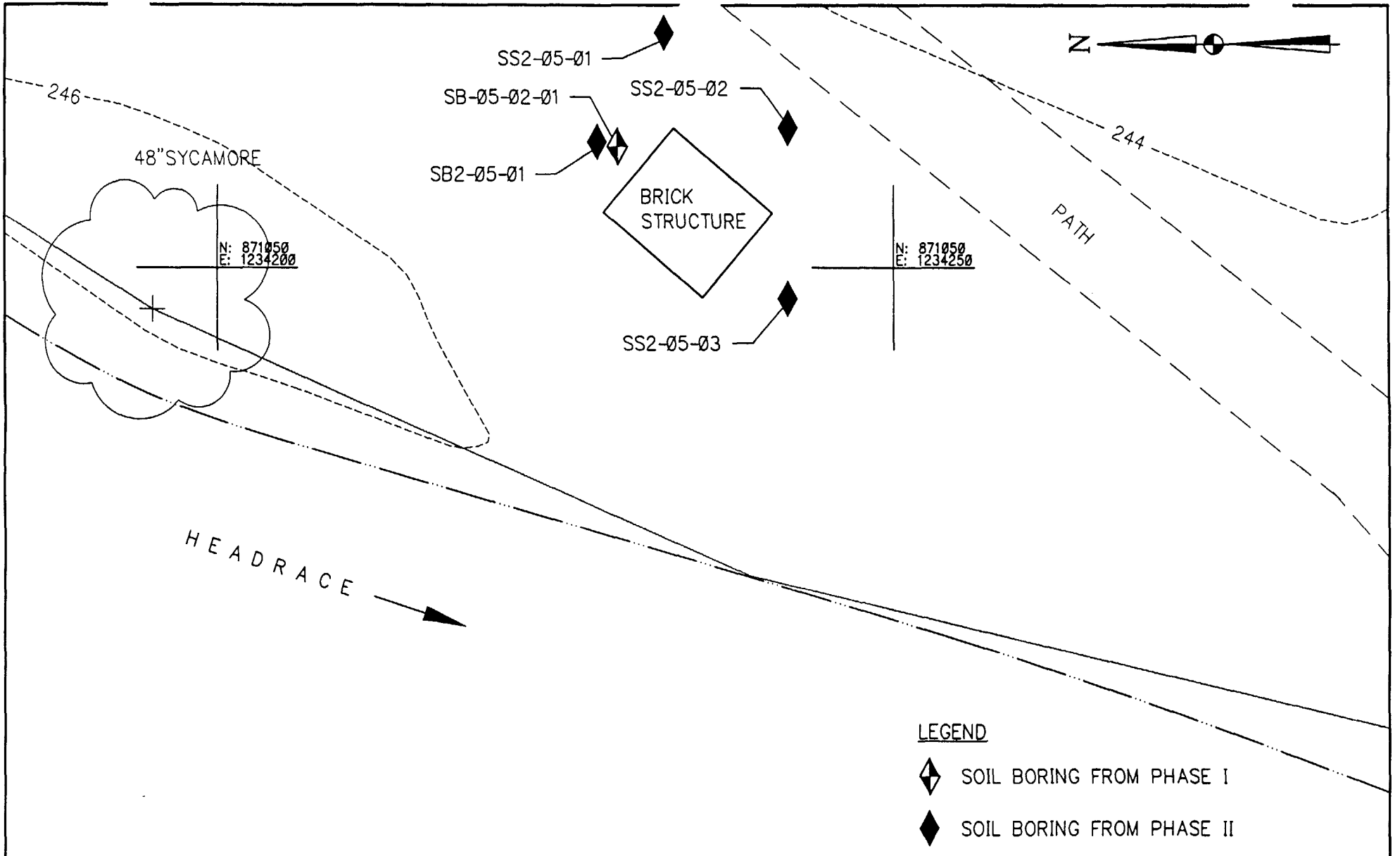
REV. 0

Plot: env023 02/16/1999 07:55 G:\Prym\970179\97179a02.dwg

TABLE 2
VERIFICATION SEDIMENT SAMPLING RESULTS
PRYM FACILITY - MILL POND
DAYVILLE, CONNECTICUT
MAY 1997

Sample ID		Parameters					
		Total mg/kg		TCLP mg/l		mg/kg	
		Cu	Ni	Cu	Ni	Total Lead	Cyanide
VS-1		18	180	0.032	0.58	N/A	N/A
VS-2		42	150	0.17	0.96	N/A	N/A
VS-3		69	240	0.062	1.4	N/A	N/A
VS-4		86	260	0.27	0.96	14	N/D
VS-5		17	68	0.034	0.57	N/A	N/A
VS-6		18	54	0.035	0.13	N/A	N/A
VS-7		6.5	53	N/D	0.089	N/A	N/A
VS-8		34	110	0.38	0.14	N/A	N/A
VS-9		71	230	0.087	0.30	N/A	N/A
VS-10		28	130	0.13	0.35	N/A	N/A
VS-11		160	320	0.84	0.79	N/D	N/D
VS-12		N/D	N/D	N/D	N/D	N/A	N/A
Direct Exposure Criteria for Soil							
Residential	ppm	2,500	1,400	--	--	500	1,400
Industrial	ppm	76,000	7,500	--	--	1,000	41,000
Pollutant Mobility Criteria for GB Areas							
GB	TCLP-mg/l	--	--	13	1.0	0.15	2

Phase II RFI Soils Data



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DRAWING SCALE	1"= 10'

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98 Vanadium Road Bridgeville, PA 15017 (412) 221-1100

WILLIAM PRYM, INC.

DAYVILLE, CONNECTICUT
PHASE II RFI
AOC No. 5
SOIL BORING LOCATIONS

DRAWING NAME: FIGURE 3-1

REV. B

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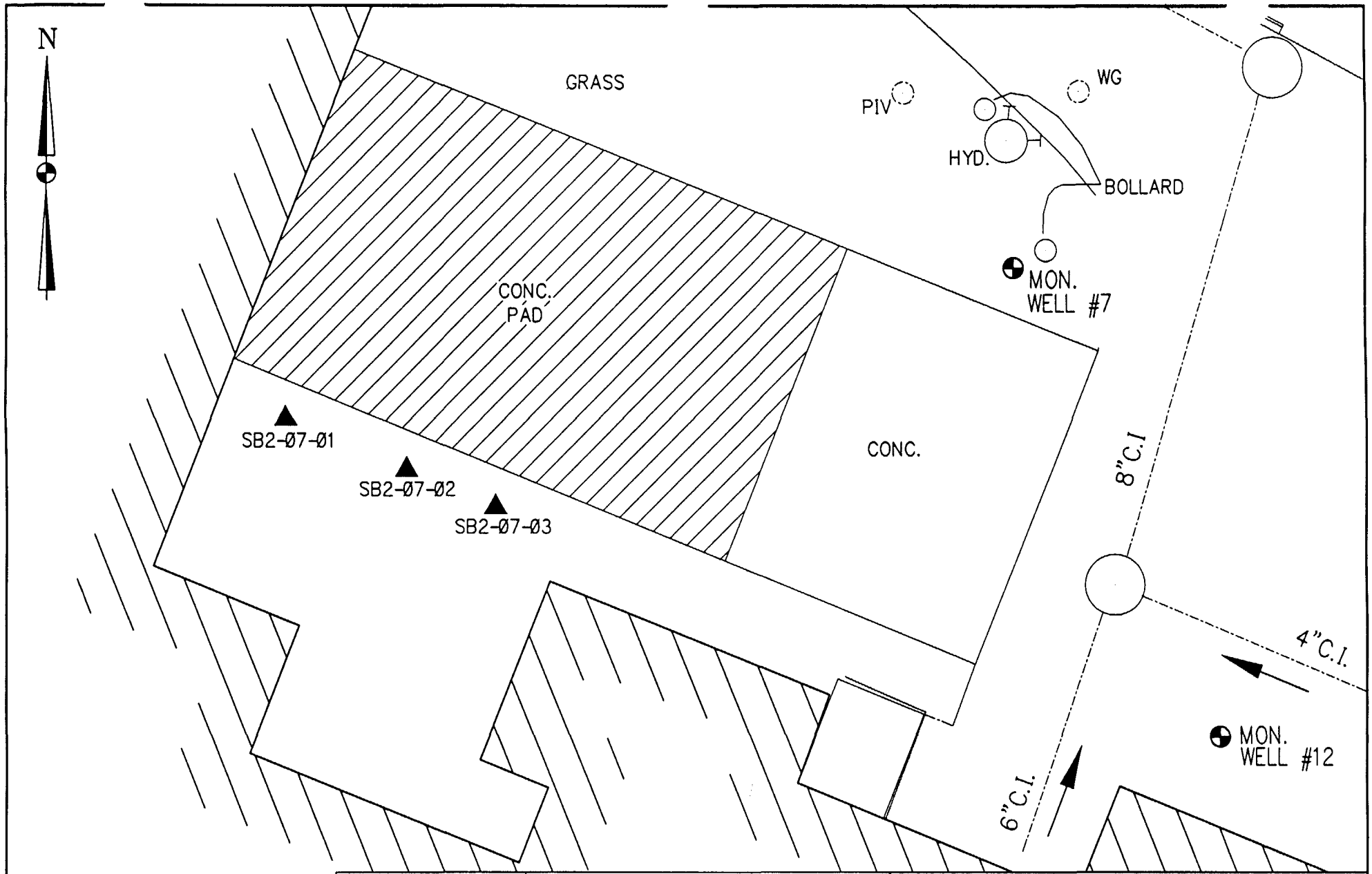
TABLE 3-1
SUMMARY OF ANALYTICAL RESULTS FOR METALS-SOILS
AOC 5 - FORMER INCINERATOR
PHASE II RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB2-05-01	SS2-05-01	SS2-05-02	SS2-05-03	SS2-05-04 (SS2-05-03 DUP)	EQB-05-01	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	9/13/98	9/13/98	9/13/98	9/13/98	9/13/98	9/13/98		
Depth (feet bgs)	4-5	0-1	0-1	0-1	0-1	0-1		
Metals, Total (MG/KG)						**MG/L**		
BARIUM	320	140	260	320	280	0.083	140,000	5,500
CADMIUM	<1.0	<1.0	7.3	5.2	3.4	<0.01	1000	390
COPPER	250	99	1300	2100	1600	<0.024	82,000	3,100
LEAD	420	39	220	350	250	<0.05		
ARSENIC	**18**	**7.1**	**8.6**	**7.3**	**17**	<0.002	3.80	0.43
NICKEL	43	15	180	200	150	<0.0030	41,000	1,600

Metals, SPLP (MG/L)							EPA RISK-BASED CONCENTRATIONS TAP WATER	CTDEP GB POLLUTANT MOBILITY CRITERIA
BARIUM	<0.5		<0.5	<0.50	<0.5	<0.5	2,600	10
CADMIUM	<0.01		<0.01	<0.01	<0.01	<0.01	0.018	0.05
COPPER	<0.024		<0.087	0.15	0.17	<0.024	1,500	13
LEAD	<0.05		<0.05	<0.05	0.056	<0.050		0.15
ARSENIC	<0.0020		**0.0023**	**0.0058**	**0.004**	<0.002	0.000045	0.5
NICKEL	0.007		0.026	0.027	0.032	<0.0033	0.73	1.0

Metals, TCLP (MG/L)							EPA RISK-BASED CONCENTRATIONS TAP WATER	CTDEP GB POLLUTANT MOBILITY CRITERIA
BARIUM	1					<0.5	2,600	10
CADMIUM	<0.01					<0.01	0.018	0.05
COPPER	0.26					<0.024	1,500	13
LEAD	0.33					<0.050		0.15
ARSENIC	<0.0020					<0.0020	0.000045	0.5
NICKEL	0.092					<0.0033	0.73	1.0



LEGEND

▲ SHALLOW SOIL SAMPLING LOCATION

MONITORING WELL

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CHECKED BY	
SET JOB NO.	980322
SET DWG FILE	98322a15.dwg
DRAWING SCALE	1"= 10'

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98 Vanadium Road Bridgeville, PA 15017 (412) 221-1100

WILLIAM PRYM, INC.

DAYVILLE, CONNECTICUT
PHASE II RFI
AOC No. 7
SOIL BORING SAMPLE

DRAWING NAME: FIGURE 3-3

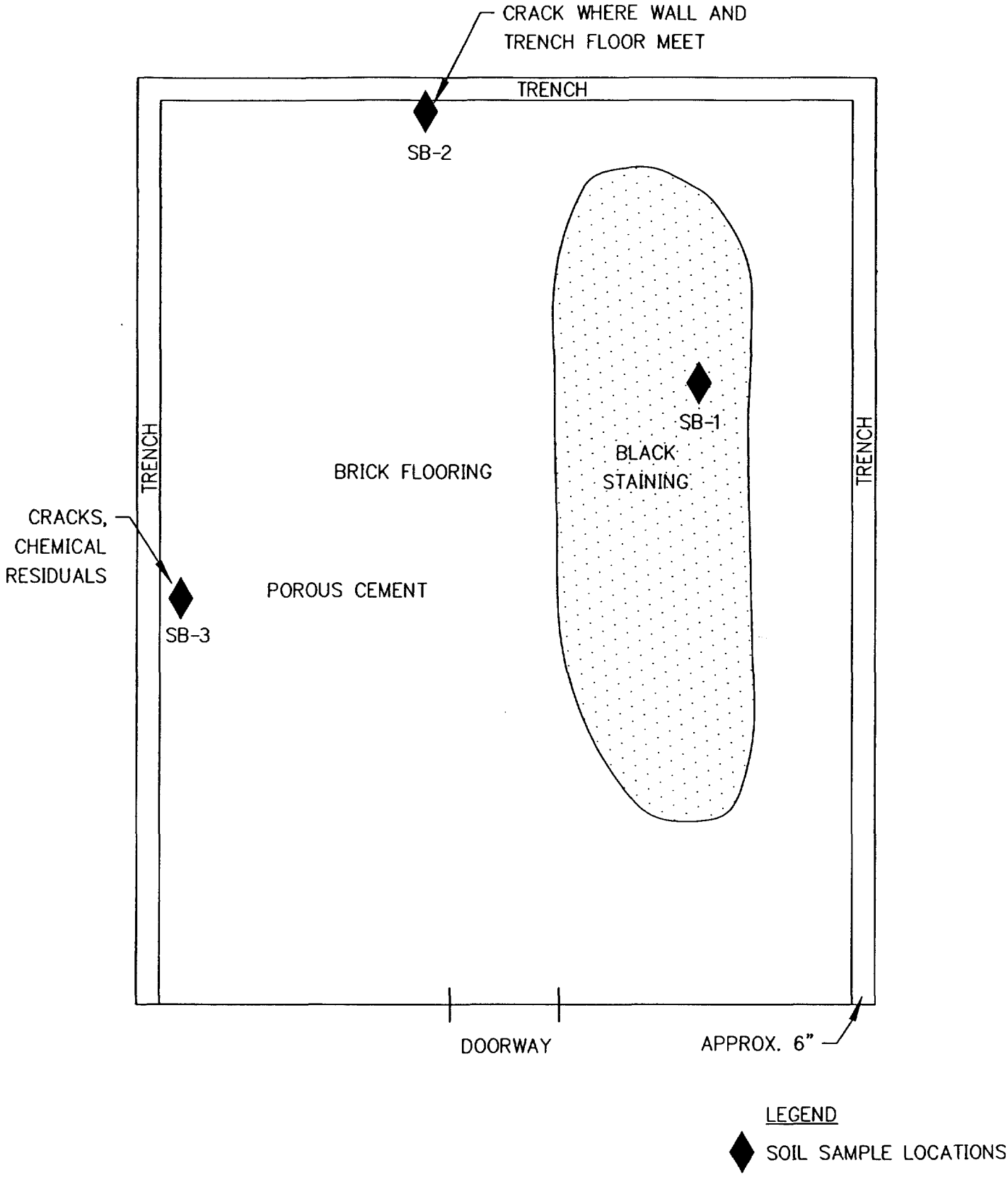
REV. 0

Plot: env023 01/12/1999 10:27 G:\Prym\980322\98322a15.dwg

TABLE 3-2
SUMMARY OF ANALYTICAL RESULTS FOR METALS-SOILS
AOC 7 - ROLL-OFF BOX AREA
PHASE II RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB2-07-01	SB2-07-02	SB2-07-03	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	9/10/98	9/10/98	9/10/98		
Depth (feet bgs)	0-1	0-1	0-1		
Metals, Total (MG/KG)					
BARIUM	23	59	57	140,000	5,500
CADMIUM	<0.99	<1.0	<1.0	1000	390
COPPER	270	1300	550	82,000	3,100
LEAD	48 J	110 J	120 J		
ARSENIC	3.2	**3.8**	**4.7**	3.8	0.43
NICKEL	22	64	42	41,000	1,600

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.



DRAWN BY	SCI
DATE	12/1/98
CHECKED BY	SS
JOB NO.	980322
SET DWG FILE	98322A10.DWG
DRAWING SCALE	1"=3'

SE TECHNOLOGIES
98 Vanadium Road Bridgeville, PA 15017 (412) 221-1100

WILLIAM PRYM, INC.

DAYVILLE, CONNECTICUT
PHASE II RFI
AOC NO. 8
SOIL BORING LOCATIONS

DRAWING NAME: FIGURE 3-4

REV. 0

Plot: env023 12/28/1998 13:21 G:\Prym\980322\98322a10.dwg

TABLE 3-3
SUMMARY OF ANALYTICAL RESULTS FOR METALS-SOILS
AOC 8 - CHEMICAL STORAGE ROOM
PHASE II RFI
WILLIAM PRYM, INC.
DAYVILLE, SITE

Field Sample ID	SB2-08-01-01	SB2-08-01-02	SB2-08-01-03 (SB2-08-01-02 DUP)	SB2-08-02-01	SB2-08-02-02	SB2-08-03-01	SB2-08-03-02	EQB-08-01	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	9/14/98	9/14/98	9/14/98	9/15/98	9/15/98	9/15/98	9/15/98	9/15/98		
Depth (feet bgs)	0-0.5	3-4	0-0.5	0-0.5	2-3	0-0.5	3-4	-		
Metals, Total (MG/KG)								**MG/L**		
BARIUM	100	140	96	150	45	36	60	<0.01	140,000	5,500
CADMIUM	<1.0	<1.1	<0.98	2.4	1.3	<0.96	<1.4	<0.01	1,000	390
COPPER	40	17	19	490	590	20	17	<0.024	82,000	3,100
LEAD	96	120	93	180	47	16	14	<0.05		
ARSENIC	2.9	2.6	2.9	0.62	0.37	1.3	2.1	<0.002	3.8	0.43
NICKEL	600	52	26	510	330	7,700	3,800	<0.003	41,000	1,600

EPA Region III Risk-Based Concentration Tables for Direct Exposure, April 15, 1998
DUP = Duplicate sample

TABLE 3-3 (continued)
SUMMARY OF ANALYTICAL RESULTS FOR VOCS-SOILS
AOC 8 - CHEMICAL STORAGE ROOM
PHASE II RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB2-08-01-01	SB2-08-01-02	SB2-08-01-03 (SB2-08-01-02 DUP)	EQB-MW13D-01	TB-04	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	9/14/98	9/14/98	9/14/98	9/14/98	9/14/98		
Depth Collected	0-0.5	3-4	0-0.5	-	-		
Volatiles (ug/kg)				ug/L	ug/L		
ACETONE	<120 UJ	<130 UJ	<110 UJ	<20	<20	200,000,000	7,800,000
ACRYLONITRILE	<230 UJ	<250 UJ	<220 UJ	<50	<50	11,000	1,200
BENZENE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	200,000	22,000
BROMODICHLOROMETHANE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	92,000	10,000
BROMOFORM	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	720,000	81,000
BROMOMETHANE	<29 UJ	<31 UJ	<27 UJ	<5.0	<5.0	2,900,000	110,000
CARBON DISULFIDE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	200,000,000	7,800,000
CARBON TETRACHLORIDE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	44,000	4,900
CHLOROBENZENE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	41,000,000	1,600,000
CHLOROETHANE	<58 UJ	<63 UJ	<54 UJ	<10 UJ	<10 UJ	2,000,000	220,000
CHLOROFORM	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	940,000	100,000
CHLOROMETHANE	<58 UJ	<63 UJ	<54 UJ	<10 UJ	<10 UJ	440,000	49,000
1,2-DIBROMO-3-CHLOROPROPANE	<29 UJ	<31 UJ	<27 UJ	<5.0	<5.0	41,000	460
DIBROMOCHLOROMETHANE	<58 UJ	<63 UJ	<54 UJ	<1.0	<1.0	68,000	7,600
DIBROMOMETHANE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0		
DICHLORODIFLUOROMETHANE	<58 UJ	<63 UJ	<54 UJ	<10	<10	410,000,000	16,000,000
1,1-DICHLOROETHANE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	200,000,000	7,800,000
1,2-DICHLOROETHANE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	63,000	7,000
1,1-DICHLOROETHENE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	9,500	110
TRANS-1,2-DICHLOROETHENE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	41,000,000	16,000,000
1,2-DICHLOROPROPANE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	84,000	9,000
CIS-1,3-DICHLOROPROPENE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0		
TRANS-1,3-DICHLOROPROPENE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0		
ETHYLBENZENE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	200,000,000	7,800,000
2-HEXANONE	<58 UJ	<63 UJ	<54 UJ	<10	<10	82,000,000	3,100,000
METHACRYLONITRILE	<29 UJ	<31 UJ	<27 UJ	<5.0	<5.0	200,000	7,800
4-METHYL-2-PENTANONE (MIBK)	<58 UJ	<63 UJ	<54 UJ	<10	<10	160,000,000	6,300,000
METHYLENE CHLORIDE	<58 UJ	<63 UJ	<54 UJ	<10	<10	760,000	85,000
STYRENE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	410,000,000	16,000,000
1,1,1,2-TETRACHLOROETHANE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	220,000	25,000
1,1,2,2-TETRACHLOROETHANE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	29,000	3,200
TETRACHLOROETHENE (PCE)	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	110,000	12,000
TOLUENE	9.6 J	15 J	14 J	<1.0	<1.0	410,000,000	16,000,000
1,1,1-TRICHLOROETHANE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	41,000,000	1,600,000
1,1,2-TRICHLOROETHANE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	100,000	11,000
TRICHLOROETHENE (TCE)	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	520,000	58,000
TRICHLOROFLUOROMETHANE	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	610,000,000	23,000,000
VINYL ACETATE	<58 UJ	<63 UJ	<54 UJ	<10	<10	2,000,000,000	78,000,000
VINYL CHLORIDE	<29 UJ	<31 UJ	<27 UJ	<5.0	<5.0	3,000	340
XYLENES (TOTAL)	<5.8 UJ	<6.3 UJ	<5.4 UJ	<1.0	<1.0	4,100,000,000	160,000,000

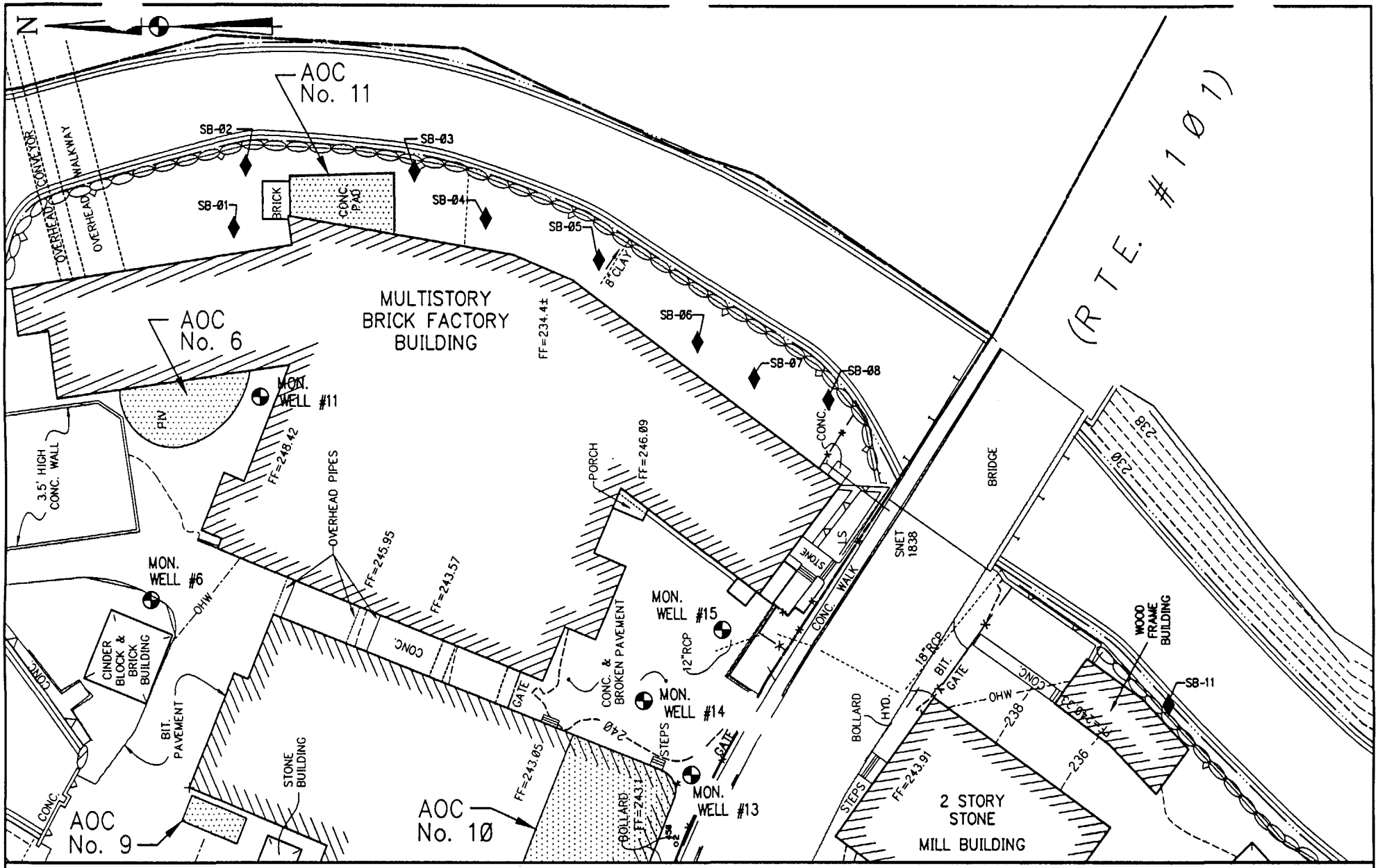
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

EPA Region III Risk-Based Concentrations for Direct Exposure, April 15, 1998
DUP = Duplicate sample

TABLE 3-3 (continued)
SUMMARY OF ANALYTICAL RESULTS FOR VOCS-SOILS
AOC 8 - CHEMICAL STORAGE ROOM
PHASE II RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB2-08-02-01	SB2-08-02-02	SB2-08-03-01	SB2-08-03-02	EQB-08-01	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	9/15/98	9/15/98	9/15/98	9/15/98	9/15/98		
Depth Collected	0-0.5	2-3	0-0.5	3-3.7	-		
Volatiles (ug/kg)					ug/L		
ACETONE	<100 UJ	<110 UJ	<110 UJ	<100	<20	200,000,000	7,800,000
ACRYLONITRILE	<210 UJ	<220 UJ	<210 UJ	<210	<50	11,000	1,200
BENZENE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	200,000	22,000
BROMODICHLOROMETHANE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	92,000	10,000
BROMOFORM	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	720,000	81,000
BROMOMETHANE	<26 UJ	<27 UJ	<27 UJ	<26 UJ	<5.0	2,900,000	110,000
CARBON DISULFIDE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	200,000,000	7,800,000
CARBON TETRACHLORIDE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	44,000	4,900
CHLOROBENZENE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	41,000,000	1,600,000
CHLOROETHANE	<52 UJ	<55 UJ	<53 UJ	<52 UJ	<10 UJ	2,000,000	220,000
CHLOROFORM	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	940,000	100,000
CHLOROMETHANE	<52 UJ	<55 UJ	<53 UJ	<52 UJ	<10 UJ	440,000	49,000
1,2-DIBROMO-3-CHLOROPROPANE	<26 UJ	<27 UJ	<27 UJ	<26 UJ	<5.0	41,000	460
DIBROMOCHLOROMETHANE	<52 UJ	<55 UJ	<53 UJ	<52 UJ	<1.0	68,000	7,600
DIBROMOMETHANE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0		
DICHLORODIFLUOROMETHANE	<52 UJ	<55 UJ	<53 UJ	<52 UJ	<10	410,000,000	16,000,000
1,1-DICHLOROETHANE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	200,000,000	7,800,000
1,2-DICHLOROETHANE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	63,000	7,000
1,1-DICHLOROETHENE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	9,500	110
TRANS-1,2-DICHLOROETHENE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	41,000,000	16,000,000
1,2-DICHLOROPROPANE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	84,000	9,000
CIS-1,3-DICHLOROPROPENE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0		
TRANS-1,3-DICHLOROPROPENE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0		
ETHYLBENZENE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	200,000,000	7,800,000
2-HEXANONE	<52 UJ	<55 UJ	<53 UJ	<52 UJ	<10	82,000,000	3,100,000
METHACRYLONITRILE	<26 UJ	<27 UJ	<27 UJ	<26 UJ	<5.0	200,000	7,800
4-METHYL-2-PENTANONE (MIBK)	<52 UJ	<55 UJ	<53 UJ	<52 UJ	<10	160,000,000	6,300,000
METHYLENE CHLORIDE	<52 UJ	<55 UJ	<53 UJ	<52 UJ	<10	760,000	85,000
STYRENE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	410,000,000	16,000,000
1,1,1,2-TETRACHLOROETHANE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	220,000	25,000
1,1,2,2-TETRACHLOROETHANE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	29,000	3,200
TETRACHLOROETHENE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	110,000	12,000
TOLUENE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	410,000,000	16,000,000
1,1,1-TRICHLOROETHANE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	41,000,000	1,600,000
1,1,2-TRICHLOROETHANE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	100,000	11,000
TRICHLOROETHENE (TCE)	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	520,000	58,000
TRICHLOROFLUOROMETHANE	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	610,000,000	23,000,000
VINYL ACETATE	<52 UJ	<55 UJ	<53 UJ	<52 UJ	<10	2,000,000,000	78,000,000
VINYL CHLORIDE	<26 UJ	<27 UJ	<27 UJ	<26 UJ	<5.0	3,000	340
XYLENES (TOTAL)	<5.2 UJ	<5.5 UJ	<5.3 UJ	<5.2 UJ	<1.0	4,100,000,000	160,000,000

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.



LEGEND

- ♦ SHALLOW SOIL BORING LOCATIONS
- ⊕ MONITORING WELL

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DATE	12/1/98
CHECKED BY	RAD
SET JOB NO.	980322
SET DWG FILE	97322a11.dwg
DRAWING SCALE	1"= 40'

SE TECHNOLOGIES

98 Vanadium Road Bridgeville, PA 15017 (412) 221-1100

WILLIAM PRYM, INC.

DAYVILLE, CONNECTICUT
PHASE II RFI
AOC NO. 11
SOIL BORING LOCATIONS

DRAWING NAME: FIGURE 3-5

REV. A

Plot: env023 12/29/1998 16:12 G:\Prym\980322\98322a11.DWG

TABLE 3-5
SUMMARY OF ANALTICAL RESULTS FOR TPH-SOILS
AOC 11 - CLOSED OIL STORAGE TANK
PHASE II RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB2-11-01	SB2-11-09 (SB2-11-01 DUP)	SB2-11-03	SB2-11-05	CTDEP	CTDEP
Date Collected	9/11/98	9/11/98	9/12/98	9/12/98	REMEDIATION	REMEDIATION
Depth (feet bgs)	4-5	4-5	4-5	4.5-5.5	CRITERIA	CRITERIA
TPH (MG/KG)	97	58	180	160	2500	500

Field Sample ID	SB2-11-06	SB-11-10 (SB2-11-06 DUP)	SB2-11-08	SB2-11-11	CTDEP	CTDEP
Date Collected	9/14/98	9/14/98	9/12/98	9/18/98	REMEDIATION	REMEDIATION
Depth (feet bgs)	6-7	6-7	4-4.5	0-1	CRITERIA	CRITERIA
TPH (MG/KG)	260	210	290	50	2500	500

TABLE 3-5 (continued)
SUMMARY OF ANALYTICAL RESULTS FOR TPH AND SVOCS-SOILS
AOC 11 - CLOSED OIL STORAGE TANK
PHASE II RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB2-11-02	SB2-11-04	SB2-11-07	EQB-11-01	EQB-11-03	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL	EPA RISK-BASED SOIL TO GROUNDWATER[2]
Date Collected	9/12/98	9/12/98	9/12/98	9/12/98	9/18/98			
Depth (feet bgs)	4.5-5.5	4-4.7	4-4.5	-	-			
TPH (MG/KG)	75	860	320	<0.1 mg/l	<0.1 mg/l	2500[1]	500[1]	
SemiVolatiles (ug/kg)				ug/l	ug/l			
AZOBENZENE	<200	<240	<200	<5.0	<5.0	52,000	5,800	
ACENAPHTHENE	<200	<240	<200	<5.0	<5.0	120,000,000	4,700,000	
ACENAPHTHYLENE	<200	<240	<200	<5.0	<5.0	120,000,000	4,700,000	
ANILINE	<400	<480	<410	<10	<10	1,000,000	110,000	
ANTHRACENE	<200	590	<200	<5.0	<5.0	610,000,000	23,000,000	4,300,000
BENZIDINE	<810	<950	<810	<20	<20	25	2.8	
BENZO[A]ANTHRACENE	220	1300	<200	<5.0	<5.0	7,800	870	700
BENZO[A]PYRENE	<200	1100	<200	<5.0	<5.0	780	87	4,000
BENZO[B]FLUORANTHENE	<200	950	<200	<5.0	<5.0	7,800	870	4,000
BENZO[G,H,I]PERYLENE	<200	420	<200	<5.0	<5.0			
BENZO[K]FLUORANTHENE	<200	1000	<200	<5.0	<5.0	78,000	8,700	4,000
BENZOIC ACID	<1000	<1200	<1000	<25	<25	8,200,000,000	310,000,000	
BENZYL ALCOHOL	<400	<480	<410	<10	<10			
BENZYL BUTYL PHTHALATE	<200	<240	<200	<5.0	<5.0			
BIS(2-CHLOROETHOXY)METHANE	<200	<240	<200	<5.0	<5.0			
BIS(2-CHLOROETHYL)ETHER	<200	<240	<200	<5.0	<5.0	5200	580	
BIS(2-CHLOROISOPROPYL)ETHER	<400	<480	<410	<10	<10	82,000	9,100	
BIS(2-ETHYLHEXYL)PHTHALATE	<200	<240	<200	<5.0	<5.0	410,000	46,000	
4-BROMOPHENYL PHENYL ETHER	<200	<240	<200	<5.0	<5.0			
4-CHLORO-3-METHYLPHENOL	<200	<240	<200	<5.0	<5.0			
4-CHLOROANILINE	<400	<480	<410	<10	<10	8,200,000	310,000	
2-CHLORONAPHTHALENE	<200	<240	<200	<5.0	<5.0	160,000,000	6,300,000	
2-CHLOROPHENOL	<200	<240	<200	<5.0	<5.0	10,000,000	390,000	
4-CHLOROPHENYL PHENYL ETHER	<200	<240	<200	<5.0	<5.0			
CHRYSENE	210	1300	<200	<5.0	<5.0	780,000	87,000	1,000
DI-N-BUTYL PHTHALATE	<200	<240	<200	<5.0	<5.0			
DI-N-OCTYL PHTHALATE	<200	<240	<200	<5.0	<5.0			
DIBENZ[A,H]ANTHRACENE	<200	<240	<200	<5.0	<5.0	780	87	
DIBENZOFURAN	<400	<480	<410	<10	<10	8,200,000	310,000	
1,2-DICHLOROBENZENE	<200	<240	<200	<5.0	<5.0	180,000,000	7,000,000	
1,3-DICHLOROBENZENE	<200	<240	<200	<5.0	<5.0	61,000,000	2,300,000	
1,4-DICHLOROBENZENE	<200	<240	<200	<5.0	<5.0	240,000	27,000	
3,3-DICHLOROBENZIDINE	<200	<240	<200	<5.0	<5.0	13,000	1400	
2,4-DICHLOROPHENOL	<200	<240	<200	<5.0	<5.0	6,100,000	230,000	
DIETHYL PHTHALATE	<200	<240	<200	<5.0	<5.0	1,600,000,000	63,000,000	
DIMETHYL PHTHALATE	<200	<240	<200		<5.0			
2,4-DIMETHYLPHENOL	<200	<240	<200	<5.0	<5.0	41,000,000	1,600,000	
2,4-DINITROPHENOL	<200	<240	<200	<5.0	<5.0	4,100,000	160,000	
2,4-DINITROTOLUENE	<200	<240	<200	<5.0	<5.0	4,100,000	160,000	
2,6-DINITROTOLUENE	<200	<240	<200	<5.0	<5.0	2,000,000	78,000	
FLUORANTHENE	490	2100	250	<5.0	<5.0	82,000,000	3,100,000	980,000
FLUORENE	<200	<240	<200	<5.0	<5.0	120,000,000	4,700,000	
HEXACHLOROBENZENE	<200	<240	<200	<5.0	<5.0	3,600	400	
HEXACHLOROBUTADIENE	<200	<240	<200	<5.0	<5.0	730,000	8,200	
HEXACHLOROCYCLOPENTADIENE	<200	<240	<200	<5.0	<5.0	14,000,000	550,000	
HEXACHLOROETHANE	<200	<240	<200	<5.0	<5.0	410,000	46,000	
INDENO[1,2,3-CD]PYRENE	<200	450	<200	<5.0	<5.0	7,800	870	
ISOPHORONE	<200	<240	<200	<5.0	<5.0	6,000,000	670,000	
2-METHYL-4,6-DINITROPHENOL	<200	<240	<200	<5.0	<5.0			
2-METHYLNAPHTHALENE	<200	<240	<200		<5.0			
2-METHYLPHENOL	<200	<240	<200	<5.0	<5.0	100,000,000	3,900,000	
3- & 4-METHYLPHENOLS	<200	<240	<200	<5.0	<5.0			
NAPTHALENE	<200	<240	<200	<5.0	<5.0	82,000,000	3,100,000	
2-NITROANILINE	<1000	<1200	<1000	<25	<25			
3-NITROANILINE	<1000	<1200	<1000	<25	<25			
4-NITROANILINE	<400	<480	<410	<10	<10			
NITROBENZENE	<200	<240	<200	<5.0	<5.0			
2-NITROPHENOL	<200	<240	<200	<5.0	<5.0	16,000,000	630,000	
4-NITROPHENOL	<200	<240	<200	<5.0	<5.0	38	4	
N-NITROSODI-N-PROPYLAMINE	<200	<240	<200	<5.0	<5.0	2,000	230	
N-NITROSODIMETHYLAMINE	<200	<240	<200	<5.0	<5.0	110	13	
N-NITROSODIPHENYLAMINE	<200	<240	<200	<5.0	<5.0	1,200,000	130,000	
PENTACHLOROPHENOL	<200	<240	<200	<5.0	<5.0	48,000	5,300	
PHENANTHRENE	420	1800	250	<5.0	<5.0			
PHENOL	<200	<240	<200	<5.0	<5.0	1,200,000,000	47,000,000	
PYRENE	410	2000	240	<5.0	<5.0	61,000,000	2,300,000	1,400,000
1,2,4-TRICHLOROBENZENE	<200	<240	<200	<5.0	<5.0	20,000,000	780,000	
2,4,5-TRICHLOROPHENOL	<200	<240	<200	<5.0	<5.0	200,000,000	7,800,000	
2,4,6-TRICHLOROPHENOL	<200	<240	<200	<5.0	<5.0	5,200,000	58,000	

1 = CTDEP Remediation Criteria
EPA Region III Risk-Based Concentration Tables for Direct Exposure. April 15. 1998
2 = EPA Region III Risk-Based Concentration Tables for Soil to Groundwater Screening. April 1996.

TABLE 3-6
SUMMARY OF ANALYTICAL RESULTS FOR CYANIDE AND METALS
MISCELLANEOUS SOIL SAMPLES
PHASE II RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB2-MW20-01	EQB2-MW20-01	SB2-MW10D-01	EQB-MW10D-01	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	9/9/98	9/9/98	9/10/98	9/10/98		
Depth (feet bgs)	2-4	-	6-8	-		
		mg/L		mg/L		
Total Cyanide (MG/KG)	<0.11	<.02	<0.18	<0.02	41,000	1,600
Metals, Total (MG/KG)						
BARIUM	36	<0.01	20	<0.01	140,000	5,500
CADMIUM	<1.0	<0.01	<1.2	<0.01	1,000	390
COPPER	13	<0.024	12	<0.024	82,000	3,100
LEAD	50 J	<0.05 UJ	8.4	<0.05		
ARSENIC	2.2	<0.002	2	<0.002	3.8	0.43
NICKEL	7.7	<0.003	23	<0.003	41,000	1,600

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

TABLE 3-6 (continued)
SUMMARY OF ANALYTICAL RESULTS FOR VOCS
MISCELLANEOUS SOIL SAMPLES
PHASE II RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB2-MW10D-01	SB2-MW20-02	EQB2-MW20-01	TRIP BLANK	EQB-MW10D-01	TB-03	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL
Date Collected	9/10/98	9/9/98	9/9/98	9/9/98	9/10/98	9/11/98		
Depth Collected	6-8	12-14	-	-	-	-		
Volatiles (ug/kg)			ug/L	ug/L	ug/L	ug/L		
ACETONE	<130	<110	<20	<20	<20	<20	200,000,000	7,800,000
ACRYLONITRILE	<260	<220	<50	<50	<50	<50	11,000	1,200
BENZENE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	200,000	22,000
BROMODICHLOROMETHANE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	92,000	10,000
BROMOFORM	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	720,000	81,000
BROMOMETHANE	<33	<28	<5.0	<5.0	<5.0	<5.0	2,900,000	110,000
CARBON DISULFIDE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	200,000,000	7,800,000
CARBON TETRACHLORIDE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	44,000	4,900
CHLOROBENZENE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	41,000,000	1,600,000
CHLOROETHANE	<66	<56	<10	<10	<10	<10	2,000,000	220,000
CHLOROFORM	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	940,000	100,000
CHLOROMETHANE	<66	<56	<10	<10	<10	<10	440,000	49,000
1,2-DIBROMO-3-CHLOROPROPANE	<33	<28	<5.0	<5.0	<5.0	<5.0	41,000	460
DIBROMOCHLOROMETHANE	<66	<56	<1.0	<1.0	<1.0	<1.0	68,000	7,600
DIBROMOMETHANE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0		
DICHLORODIFLUOROMETHA	<66	<56	<10	<10	<10	<10	410,000,000	16,000,000
1,1-DICHLOROETHANE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	200,000,000	7,800,000
1,2-DICHLOROETHANE	<6.6	<5.6	<1.0	<1.0	<10	<10	63,000	7,000
1,1-DICHLOROETHENE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	9,500	110
TRANS-1,2-DICHLOROETHENE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	41,000,000	16,000,000
1,2-DICHLOROPROPANE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	84,000	9,000
CIS-1,3-DICHLOROPROPENE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0		
TRANS-1,3-DICHLOROPROPE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0		
ETHYLBENZENE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	200,000,000	7,800,000
2-HEXANONE	<66	<56	<10	<10	<10	<10	82,000,000	3,100,000
METHACRYLONITRILE	<33	<28	<5.0	<5.0	<5.0	<5.0	200,000	7,800
4-METHYL-2-PENTANONE (MIB	<66	<56	<10	<10	<10	<10	160,000,000	6,300,000
METHYLENE CHLORIDE	<66	<56	<10	<10	<10	<10	760,000	85,000
STYRENE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	410,000,000	16,000,000
1,1,1,2-TETRACHLOROETHANE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	220,000	25,000
1,1,2,2-TETRACHLOROETHANE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	29,000	3,200
TETRACHLOROETHENE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	110,000	12,000
TOLUENE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	410,000,000	16,000,000
1,1,1-TRICHLOROETHANE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	41,000,000	1,600,000
1,1,2-TRICHLOROETHANE	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	100,000	11,000
TRICHLOROETHENE (TCE)	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	520,000	58,000
TRICHLOROFLUOROMETHAN	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	610,000,000	23,000,000
VINYL ACETATE	<66	<56	<10	<10	<10	<10	2,000,000,000	78,000,000
VINYL CHLORIDE	<33	<28	<5.0	<5.0	<5.0	<5.0	3,000	340
XYLENES (TOTAL)	<6.6	<5.6	<1.0	<1.0	<1.0	<1.0	4,100,000,000	160,000,000

EPA Region III Risk-Based Concentrations for Direct Exposure, April 15, 1998
DUP = Duplicate sample

Tail Race (AOC 3)

Post Remediation Sampling

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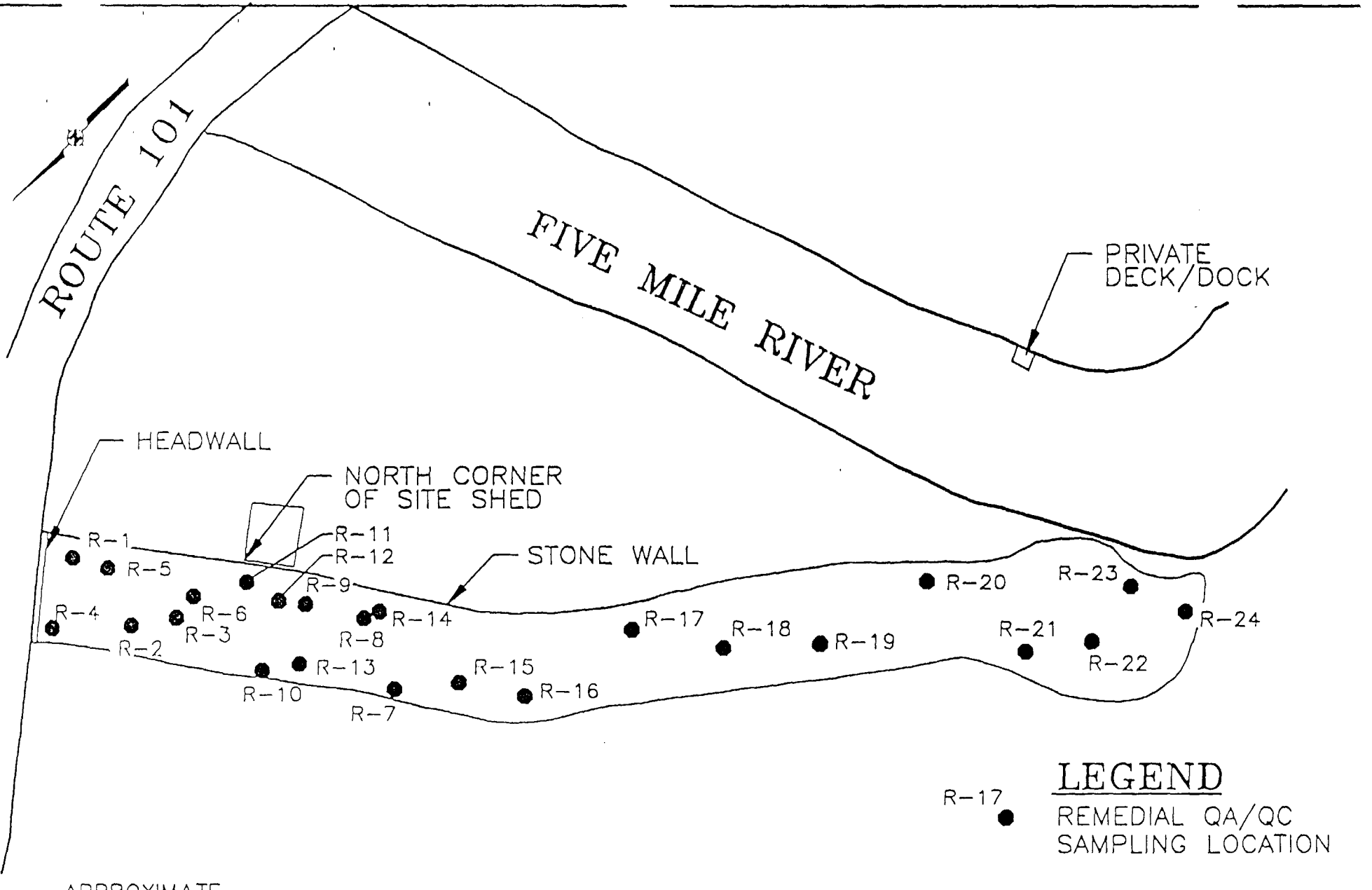


APPROXIMATE
HORIZONTAL
SCALE: 1" = 60'
VERTICAL
SCALE: 1" = 15'
EXAGERATION=3x

RUST ENVIRONMENT & INFRASTRUCTURE

PROJ. NO.: 89906.100 DATE: 11/94

RUST DWG. NUMBER: FIGURE 3

SAMPLE LOCATIONS MAP

TAIL RACE REMEDIATION CONSTRUCTION
WILLIAM PRYM, INC.

DAYVILLE CONNECTICUT

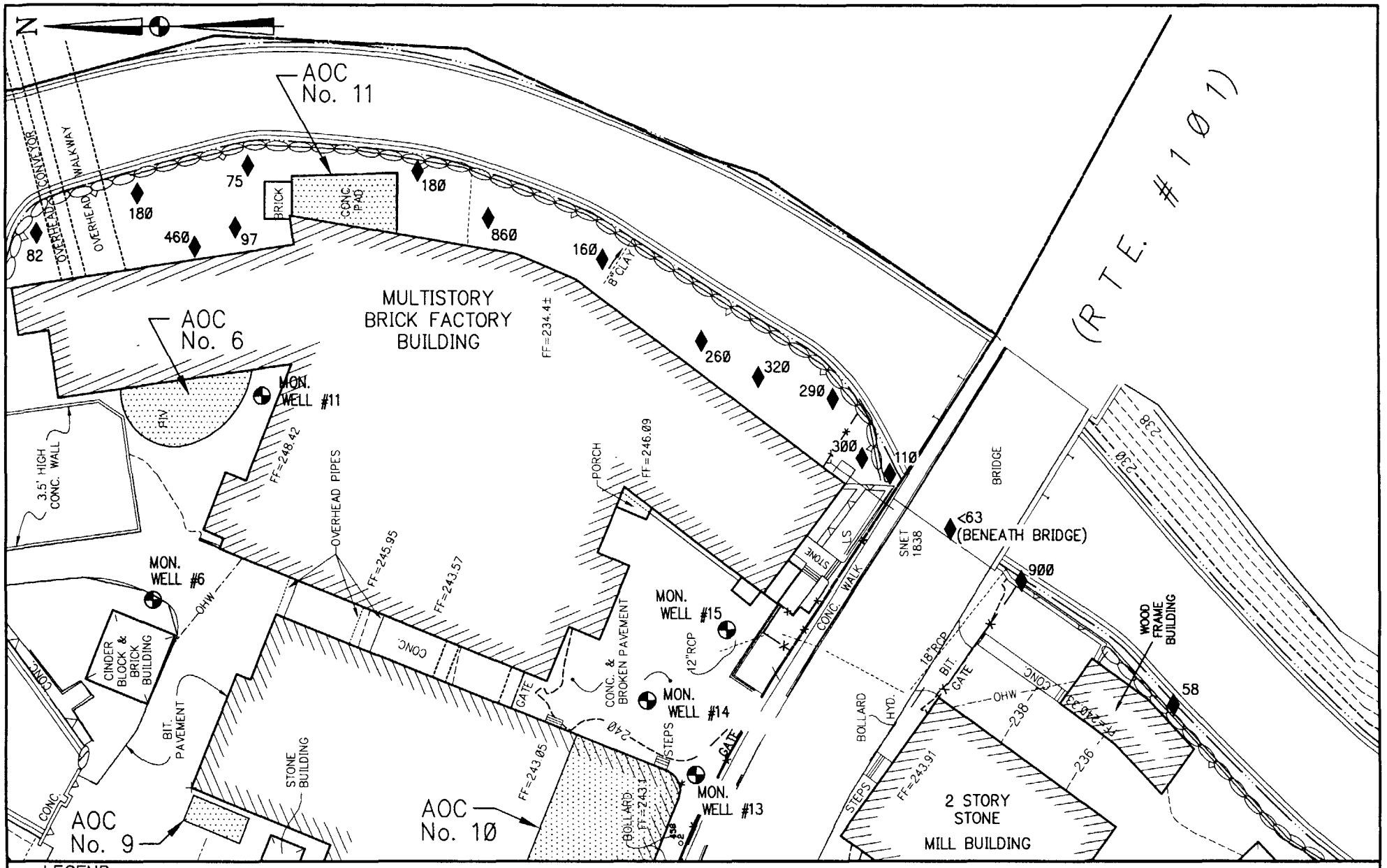
Summary of Sediment/Soil Analytical Testing Results
William Prym, Inc. Tail Race Remediation
November, 1994

Sample ID	Reference ID	Date	Time	Location	Copper Cu (mg/kg) EPA 6010	Lead Pb (mg/kg) EPA 6010	Nickel Ni (mg/kg) EPA 6010	Cadmium Cd (mg/kg) EPA 6010	Zinc Zn (mg/kg) EPA 6010	Chromium Cr (mg/kg) EPA 6010	Iron Fe (mg/kg) EPA 6010
S105-1	R-1	10/17/94	15:35	13' sw of tail race headwall 3' nw of tail race sidewall	70	56					
S107-1	R-2	10/19/94	08:00	42' sw of tail race headwall 10' nw of tail race sidewall	180	89					
S108-1	R-3	10/20/94	08:07	66' sw of tail race headwall 10' nw of tail race sidewall	41	7.2					
S109-1	R-4	10/21/94	15:00	8' sw of tail race headwall 13' nw of tail race sidewall	28	32					
S109-2	R-5	10/21/94	15:05	30' sw of tail race headwall 4' nw of tail race sidewall	110	53					
S109-3	R-6	10/21/94	15:11	71' sw of tail race headwall 6' nw of tail race sidewall	100	24					
S109-4 *	R-7	10/21/94	15:24	85' sw of north corner of shed 14' nw of tail race sidewall	120	53					
S109-5 *	R-8	10/21/94	15:30	60' sw of north corner of shed 5' nw of tail race sidewall	36	20					
S109-6 *	R-9	10/21/94	15:35	33' sw of north corner of shed 6' nw of tail race sidewall	19	10					
S109-7 *	R-10	10/21/94	15:40	15' sw of north corner of shed 14' nw of tail race sidewall	99	140					
S113-1	R-11	10/27/94	11:45	1' sw of north corner of shed 3' nw of tail race sidewall	66	58					
S113-2	R-12	10/27/94	11:48	19' sw of north corner of shed 5' nw of taile race sidewall	140	60					
S113-3	R-13	10/27/94	11:52	32' sw of north corner of shed 12' nw of tail race sidewall	49	28	20				
S113-4	R-14	10/27/94	11:58	64' sw of north corner of shed 3' nw of tail race sidewall	62	49					
S113-5	R-15	10/27/94	12:03	101' sw of north corner of shed 10' nw of tail race sidewall	79	46					
S113-6	R-16	10/27/94	15:03	8' sw of tail race bend 11' nw of tail race sidewall	180	110	43				
S113-7	R-17	10/27/94	15:15	58' sw of tail race bend 6' nw of tail race sidewall	260	130					
S113-8	R-18	10/27/94	15:26	97' sw of tail race bend 9' nw of tail race sidewall	92	37					
S113-9	R-19	10/27/94	15:39	139' sw of tail race bend 10' nw of tail race sidewall	130	85	31				
S113-10	R-20	10/27/94	15:45	189' sw of tail race bend 4' nw of tail race sidewall	86	43					
S117-1	R-21	11/02/94	11:33	238' sw of tail race bend 8' se of tail race sidewall	4.4	ND					
S117-2	R-22	11/02/94	11:42	275' sw of tail race bend 15' se of tail race sidewall	5.2	ND	ND				
S117-3	R-23	11/02/94	11:50	286' sw of tail race bend 2' nw of tail race sidewall	9.6	ND					
S117-4	R-24	11/02/94	11:54	312' sw of tail race bend 4' se of tail race sidewall	7.1	7.4					

Note: * indicates program sample only. Area of sample reworked and resampled

ATTACHMENT 725-C

AOC 11 Sampling Map and Data



LEGEND

97 ♦ SHALLOW SOIL BORING LOCATIONS
TPH CONCENTRATION AT SOIL/GROUNDWATER INTERFACE (mg/kg)

MONITORING WELL

DRAWN BY	LPS
DATE	-
CHECKED BY	RAD
SET JOB NO.	990177
SET DWG FILE	990177A01.dwg
DRAWING SCALE	1"= 40'

SE TECHNOLOGIES
98 Vanadium Road Bridgeville, PA 15017 (412) 221-1100

WILLIAM PRYM, INC.
DAYVILLE, CONNECTICUT
PHASE III RFI
AOC NO. 11
TPH CONCENTRATION MAP

DRAWING NAME: FIGURE 3-2
REV. A

Plot: env024 09/09/1999 07:31 G:\Prym\990177\990177a01.dwg

TABLE 3-1
SUMMARY OF ANALTICAL RESULTS FOR TPH-SOILS
AOC 11 - CLOSED OIL STORAGE TANK
PHASE III RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB3-11-01-02	SB3-11-01-03	SB3-11-02-02	SB3-11-02-03	SB3-11-03-02	SB3-11-04-02	CTDEP REMEDIATION CRITERIA[1]- INDUSTRIAL	CTDEP REMEDIATION CRITERIA[1] - RESIDENTIAL
Date Collected	05/26/1999	05/27/1999	05/26/1999	05/27/1999	05/26/1999	05/26/1999		
Depth (feet bgs)	4.0 - 5.5	5.5 - 6.5	4.0 - 5.0	5.0 - 6.0	2.0 - 3.0	3.0 - 4.0		
TPH (MG/KG)	82	<61	180	190	<61	460	2500	500

Field Sample ID	SB3-11-05-02	SB3-11-05-03	SB3-11-06-01	SB3-11-06-02	SB3-11-07-01	SB3-11-07-02	CTDEP REMEDIATION CRITERIA[1]- INDUSTRIAL	CTDEP REMEDIATION CRITERIA[1] - RESIDENTIAL
Date Collected	05/26/1999	05/27/1999	05/27/1999	05/27/1999	05/27/1999	05/27/1999		
Depth (feet bgs)	3.0 - 4.0	4.0 - 5.0	0.0 - 1.0	1.0 - 2.0	0.0 - 1.0	1.0 - 2.0		
TPH (MG/KG)	<70	300	<62	110	<63	<66	2500	500

Field Sample ID	SB3-11-08-01	SB3-11-09-02	SB3-11-10-01	CTDEP REMEDIATION CRITERIA[1]- INDUSTRIAL	CTDEP REMEDIATION CRITERIA[1] - RESIDENTIAL
Date Collected	05/27/1999	05/26/1999	05/26/1999		
Depth (feet bgs)	0.0 - 1.0	Duplicate of SB3-11-06-01	Duplicate of SB3-11-01-02		
TPH (MG/KG)	900	<13	<61	2500	500

1- Regulations of Connecticut State Agencies, Section 22a - 133k-l, Appendix A.

TABLE 3-2
SUMMARY OF ANALYTICAL RESULTS FOR SVOCS-SOILS
AOC 11 - CLOSED OIL STORAGE TANK
PHASE III RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB3-11-02-02	SB3-11-02-03	SB3-11-04-02	SB3-11-05-03	SB3-11-08-01	EPA RISK-BASED CONCENTRATIONS INDUSTRIAL	EPA RISK-BASED CONCENTRATIONS RESIDENTIAL	EPA RISK-BASED SOIL TO GROUNDWATER[2]
Date Collected	05/26/1999	05/27/1999	05/26/1999	05/27/1999	05/27/1999			
Depth (feet bgs)	4.0 - 5.0	5.0 - 6.0	3.0 - 4.0	4.0 - 5.0	0.0 - 1.0			
TPH (MG/KG)	180	190	460	300	900	2500 [1]	500 [1]	
SemiVolatiles (ug/kg)								
AZOBENZENE	<260	<260	<200	<240	<1200	52,000	5,800	
ACENAPHTHENE	<260	<260	<200	<240	1800	120,000,000	4,700,000	
ACENAPHTHYLENE	<260	<260	<200	600	<1200	120,000,000	4,700,000	
ANILINE	<510	<480	<400	<480	<2300	1,000,000	110,000	
ANTHRACENE	<260	<260	<200	510	1600	610,000,000	23,000,000	4,300,000
BENZIDINE	<1000 UJ	<1000 UJ	<800 UJ	<960 UJ	<4600 UJ	25	2.8	
BENZO[A]ANTHRACENE	<260	<260	670	**1300**	**6100**	7,800	870	700
BENZO[A]PYRENE	<260	<260	**550**	**1300**	**5700**	780	87	4,000
BENZO[B]FLUORANTHENE	<260	<260	800	**1800**	**9000**	7,800	870	4,000
BENZO[G,H,I]PERYLENE	<260	<260	310	480	2000			
BENZO[K]FLUORANTHENE	<260	<260	230	820	3300	78,000	8,700	4,000
BENZOIC ACID	<1300 UJ	<1300 UJ	<1000 UJ	<1200 UJ	<5800 UJ	8,200,000,000	310,000,000	
BENZYL ALCOHOL	<400	<520	<400	<480	<2300			
BENZYL BUTYL PHTHALATE	<260	<260	<200	<240	<1200			
BIS(2-CHLOROETHOXY)METHANE	<260	<260	<200	<480	<4600			
BIS(2-CHLOROETHYL)ETHER	<260	<260	<200	<240	<2300	5200	580	
BIS(2-CHLOROISOPROPYL)ETHER	<400	<520	<400	<480	<4600	82,000	9,100	
BIS(2-ETHYLHEXYL)PHTHALATE	<260	<260	<200	750	<1200	410,000	46,000	
4-BROMOPHENYL PHENYL ETHER	<260	<260	<200	<240	<1200			
4-CHLORO-3-METHYLPHENOL	<260	<260	<200	<240	<1200			
4-CHLOROANILINE	<400	<520	<400	<480	<2300	8,200,000	310,000	
2-CHLORONAPHTHALENE	<260	<260	<200	<240	<1200	160,000,000	6,300,000	
2-CHLOROPHENOL	<260	<260	<200	<240	<1200	10,000,000	390,000	
4-CHLOROPHENYL PHENYL ETHER	<260	<260	<200	<240	<1200			
CHRYSENE	<260	<260	550	**1500**	<1200	780,000	87,000	1,000
DI-N-BUTYL PHTHALATE	<260 UJ	<260 UJ	<200 UJ	<240 UJ	<1200 UJ			
DI-N-OCTYL PHTHALATE	<260	<260	<200	<240	<1200			
DIBENZ[A,H]ANTHRACENE	<260 UJ	<260	<200	<240	<1200	780	87	
DIBENZOFURAN	<510	<520	<400	<480	<2300	8,200,000	310,000	
1,2-DICHLOROBENZENE	<260	<260	<200	<240	<1200	180,000,000	7,000,000	
1,3-DICHLOROBENZENE	<260	<260	<200	<240	<1200	61,000,000	2,300,000	
1,4-DICHLOROBENZENE	<260	<260	<200	<240	<1200	240,000	27,000	
3,3'-DICHLOROBENZIDINE	<260 UJ	<260 UJ	<200 UJ	<240 UJ	<1200 UJ	13,000	1400	
2,4-DICHLOROPHENOL	<260 UJ	<260	<200	<240	<1200	6,100,000	230,000	

1 = CTDEP Remediation Criteria
EPA Region III Risk-Based Concentration Tables for Direct Exposure, April 15, 1998
2 = EPA Region III Risk-Based Concentration Tables for Soil to Groundwater Screening, April 1996.

TABLE 3-2
SUMMARY OF ANALYTICAL RESULTS FOR SVOCS-SOILS
AOC 11 - CLOSED OIL STORAGE TANK
PHASE III RFI
WILLIAM PRYM, INC.
DAYVILLE SITE

Field Sample ID	SB3-11-02-02	SB3-11-02-03	SB3-11-04-02	SB3-11-05-03	SB3-11-08-01	EPA RISK-BASED	EPA RISK-BASED	EPA RISK-BASED
Date Collected	*05/26/1999*	*05/27/1999*	*05/26/1999*	*05/27/1999*	*05/27/1999*	*CONCENTRATIONS*	*CONCENTRATIONS*	*SOIL TO*
Depth (feet bgs)	4.0 - 5.0	5.0 - 6.0	3.0 - 4.0	4.0 - 5.0	0.0 - 1.0	INDUSTRIAL	RESIDENTIAL	GROUNDWATER[2]
SemiVolatiles (ug/kg)								
DIETHYL PHTHALATE	<260	<260	<200	<240	<1200	1,600,000,000	63,000,000	
DIMETHYL PHTHALATE	<260	<260	<200	<240	<1200			
2,4-DIMETHYLPHENOL	<260	<260	<200	<240	<1200	41,000,000	1,600,000	
2,4-DINITROPHENOL	<260 UJ	<260 UJ	<200 UJ	<240 UJ	<1200 UJ	4,100,000	160,000	
2,4-DINITROTOLUENE	<260	<260	<200	<240	<1200	4,100,000	160,000	
2,6-DINITROTOLUENE	<260	<260	<200	<240	<1200	2,000,000	78,000	
FLUORANTHENE	<260	<260	960	2800	13,000	82,000,000	3,100,000	980,000
FLUORENE	<260	<260	<200	<240	<1200	120,000,000	4,700,000	
HEXACHLOROBENZENE	<260	<260	<200	<240	<1200	3,600	400	
HEXACHLOROBUTADIENE	<260	<260	<200	<240	<1200	730,000	8,200	
HEXACHLOROCYCLOPENTADIENE	<260 UJ	<260 UJ	<200 UJ	<240 UJ	<1200 UJ	14,000,000	550,000	
HEXACHLOROETHANE	<260	<260	<200	<240	<1200	410,000	46,000	
INDENO[1,2,3-CD]PYRENE	<260 UJ	<260	300	<170	2000 J	7,800	870	
ISOPHORONE	<260	<260	<200	<240	<1200	6,000,000	670,000	
2-METHYL-4,6-DINITROPHENOL	<260	<260	<200	<240	<1200			
2-METHYLNAPHTHALENE	<260	<260	<200	<240	<1200			
2-METHYLPHENOL	<260	<260	<200	<240	<1200	100,000,000	3,900,000	
3- & 4-METHYLPHENOLS	<260	<260	<200	<240	<1200			
NAPTHALENE	<260	<260	<200	<240	<1200	82,000,000	3,100,000	
2-NITROANILINE	<1300	<1300	<1000	<1200	<5800			
3-NITROANILINE	<1300	<1300	<1000	<1200	<5800			
4-NITROANILINE	<510	<520 UJ	<400 UJ	<480 UJ	<2300			
NITROBENZENE	<260	<260	<200	<240	<1200			
2-NITROPHENOL	<260	<260	<200	<240	<1200	16,000,000	630,000	
4-NITROPHENOL	<260 UJ	<260 UJ	<200 UJ	<240 UJ	<1200 UJ	38	4	
N-NITROSODI-N-PROPYLAMINE	<260	<260	<200	<240	<1200	2,000	230	
N-NITROSODIMETHYLAMINE	<260	<260	<200	<240	<1200	110	13	
N-NITROSODIPHENYLAMINE	<260	<260	<200	<240	<1200	1,200,000	130,000	
PENTACHLOROPHENOL	<260	<260	<200	<240	<1200	48,000	5,300	
PHENANTHRENE	<260	<260	550	2300	11,000			
PHENOL	<260	<260	<200	<240	<1200	1,200,000,000	47,000,000	
PYRENE	<260	<260	1100	3200	13,000	61,000,000	2,300,000	1,400,000
1,2,4-TRICHLOROBENZENE	<260	<260	<200	<240	<1200	20,000,000	780,000	
2,4,5-TRICHLOROPHENOL	<260	<260	<200	<240	<1200	200,000,000	7,800,000	
2,4,6-TRICHLOROPHENOL	<260	<260	<200	<240	<1200	5,200,000	58,000	

1 = CTDEP Remediation Criteria
EPA Region III Risk-Based Concentration Tables for Direct Exposure, April 15, 1998
2 = EPA Region III Risk-Based Concentration Tables for Soil to Groundwater Screening, April 1996.

ATTACHMENT 725-D

AOCs Estimated Data of Initial Activity and Remediation Overview

TABLE 1-1
AREAS OF CONCERN (AOCs) STATUS SUMMARY

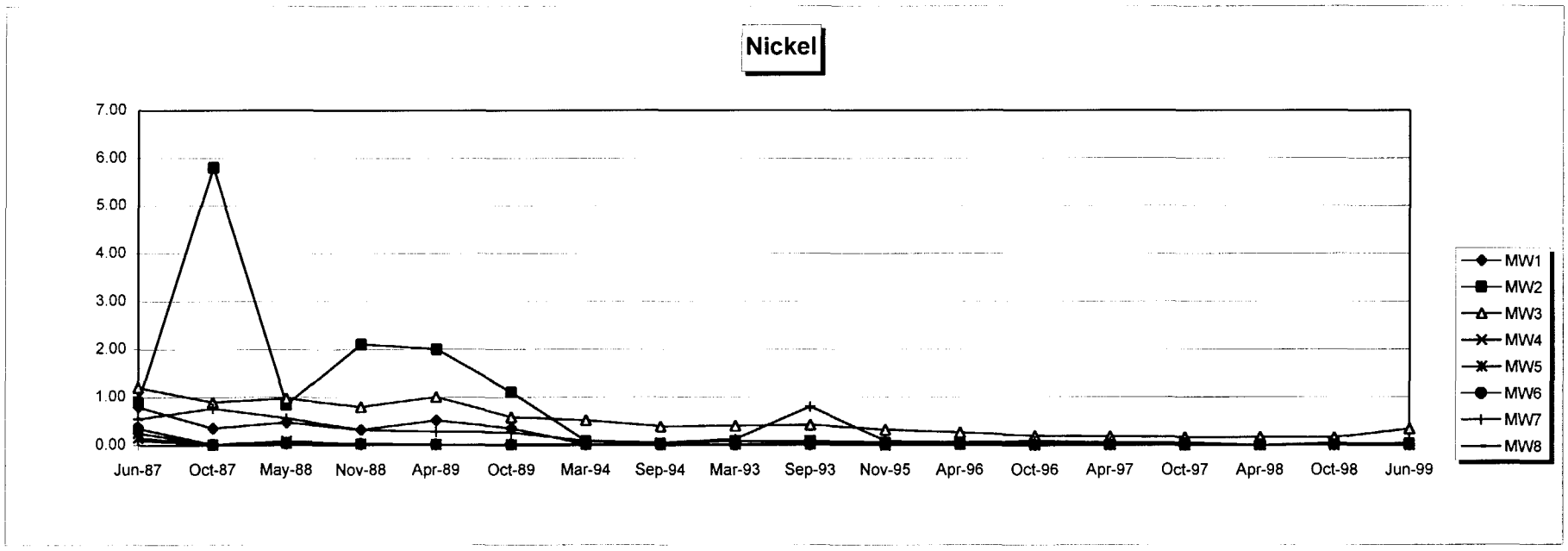
Area of Concern (AOC)		AOC Description	Estimated Time of Initial Use for Constituents of Concern	Remedial Actions to Date
#1	Existing Mill Pond	Remnant of pond used for hydropower.	1980 (Spill Event)	Three sediment removal actions 1988-1998. Final action summarized in the ICM Report submitted February 1999.
#2	Former Sludge Lagoons	Two earthen lagoons which served as percolation beds for precipitated hydroxide sludge.	1976	Closure under an EPA Approval Plan. Certified complete in 1990. Closure included removal of all soils contaminated above establish criteria.
#3	Tail Race	Tail Race ran underneath Building 1 and received industrial plating wastewater via drainage trenches.	1886	1994 Remedial Action under Connecticut Consent Agreement WC 4991. Action included removal of 710 cubic yards of sediment.
#4	Former Wastewater Treatment System (WWTS)	Located in closed position of mill raceway; system discharged to sludge lagoons.	1972	All equipment removed and area steam cleaned in 1992. No pathways to the open environment.
#5	Former Incinerator	A pit used for burning various debris.	1946	No remedial action to date.
#6	Former Drum Storage Areas	Two open areas where drums were stored prior to 1985.	1946	Use as a drum storage area ceased in the 1960s. All drums have been gone since this timeframe.
#7	Metal Hydroxide Roll-Off Storage Area	30-cubic yard covered metal containers were stored on concrete slab.	1984	Removal of the roll-off box and cleaning of the pad in 1992.
#8	Chemical Storage Room	20-foot by 60-foot storage room located adjacent to WWTS. Room was checked for integrity and steam cleaned during closure.	1946	Removal of all chemicals and steam cleaning of the walls and floor in 1992.
#9	Sodium Hypochlorite Tank	7,000 gallon metal above ground storage tank.	1972	Tank removed around 1984.
#10	Former Plating Room	Located in Building 1P; contained tanks for manual plating of nickel.	1948	All plating equipment and chemicals removed and trenches steam cleaned in 1992.
#11	Former Underground Storage Tanks	Site of former UST Tank Farm.	1946	One tank was closed on-site. All others were removed circa 1982. Visibly stained soil on the east side of the river were also removed at that time.
#12	Former Leach Field	A small restroom in Building No. 2-B discharged to a leach field instead of tying into the sanitary sewer system.	1960	Discharge to the leachfield ceased in 1992.

ATTACHMENT 725-E

Historic Groundwater Quality Data
Wells MW-1 Through MW-8

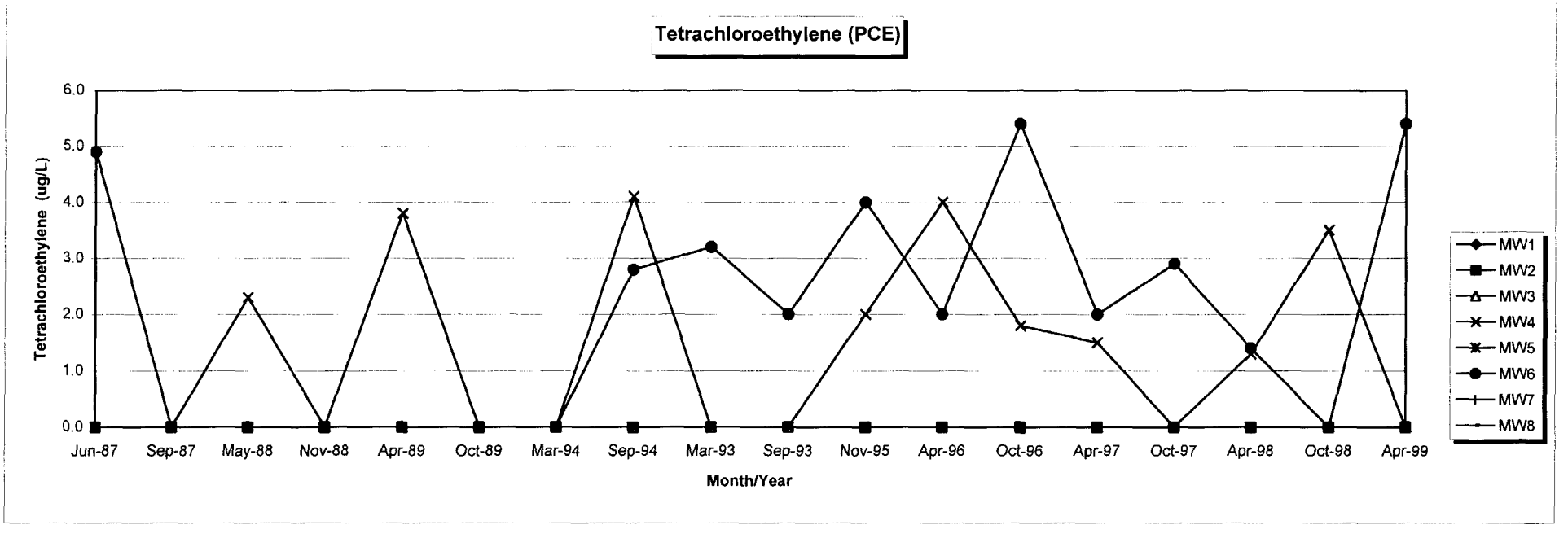
NICKEL IN GROUNDWATER
WILLIAM PRYM, INC.
DAYVILLE, CONNECTICUT
(mg/L)

	Jun-87	Oct-87	May-88	Nov-88	Apr-89	Oct-89	Mar-94	Sep-94	Mar-93	Sep-93	Nov-95	Apr-96	Oct-96	Apr-97	Oct-97	Apr-98	Oct-98	Jun-99
MW1	0.80	0.35	0.47	0.32	0.51	0.35	0.02	0.02	0.02	0.04	0.04	0.01	<0.01	<0.024	<0.024	<0.024	<0.024	<0.01
MW2	0.90	5.80	0.84	2.10	2.00	1.10	0.08	0.04	0.09	0.09	0.05	0.06	0.04	<0.024	0.05	<0.024	0.033	0.028
MW3	1.20	0.89	0.97	0.80	1.00	0.58	0.52	0.39	0.40	0.42	0.32	0.26	0.19	0.18	0.17	0.17	0.16	0.34
MW4	0.25	0.01	0.08	0.03	0.01	0.01	0.02	0.02	0.02	0.02	<0.01	0.01	<0.01	<0.024	<0.024	<0.024	<0.024	<0.01
MW5	0.15	0.01	0.04	0.03	0.01	0.01	0.02	0.02	0.02	0.02	<0.01	0.02	0.02	<0.024	<0.024	<0.024	<0.024	<0.01
MW6	0.35	0.01	0.04	0.03	0.01	0.01	0.02	0.02	0.02	0.02	<0.01	0.01	<0.01	<0.024	<0.024	<0.024	<0.024	<0.01
MW7	0.55	0.76	0.56	0.32	0.28	0.26	0.09	0.05	0.13	0.80	0.09	0.05	0.09	0.057	0.05	<0.024	0.032	0.035
MW8	0.10	0.01	0.01	0.03	0.01	0.01	0.02	0.02			<0.01	0.01	<0.01	<0.024	<0.024	<0.024	<0.024	0.019



TETRACHLOROETHYLENE (PCE) IN GROUNDWATER
WILLIAM PRYM, INC.
DAYVILLE, CONNECTICUT
(ug/L)

	Jun-87	Sep-87	May-88	Nov-88	Apr-89	Oct-89	Mar-94	Sep-94	Mar-93	Sep-93	Nov-95	Apr-96	Oct-96	Apr-97	Oct-97	Apr-98	Oct-98	Apr-99
MW1	<1	<1	<2	<2	<2	<2	<2	<2	<2	<2	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
MW2	<1	<1	<2	<2	<2	<2	<2	<2	<2	<2	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
MW3	<1	<1	<2	<2	<2	<2	<2	<2	<2	<2	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
MW4	<1	<1	2.3	<2	3.8	<2	<2	4.1	<2	<2	2	4	1.8	1.5	<0.5	1.3	3.5	<0.5
MW5	<1	<1	<2	<2	<2	<2	<2	<2	<2	<2	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
MW6	4.9	<1	<2	<2	<2	<2	<2	2.8	3.2	2.0	4	2	5.4	2	2.9	1.4	<0.5	5.4
MW7	<1	<1	<2	<2	<2	<2	<2	<2	<2	<2	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
MW8	<1	<1	<2	<2	<2	<2	<2	<2	<2	<2	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5



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Comments: Figure 2-1: Phase II RFI Investigation Area Base Map

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