NORDIV REMEDIAL ACTION CONTRACT
CONTRACT N62472-94-D-0398
DELIVERY ORDER 0004

NAVAL WEAPONS INDUSTRIAL RESERVE PLANT
BETHPAGE, NY

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TABLES

FIGURES

1.0 INTRODUCTION

Foster Wheeler Environmental Corporation (Foster Wheeler Environmental) has been contracted by the Northern Division, Naval Facilities Engineering Command to perform the excavation and removal of contaminated soil at the Naval Weapons Industrial Reserve Plant (NWIRP), Bethpage, New York. Presented herein are the analytical results from the pre-excavation soil sampling and the estimate of excavation based on these results. This report has been prepared under US Navy Contract N62472-94-D-0398, Delivery Order (DO) 0004.

1.1 Site Description

NWIRP Bethpage is a 108-acre site located in Nassau County on Long Island, New York, approximately 30 miles east of New York City (see Figure 1-1). The site is bordered on the north, west and south by the Grumman Aerospace complex, which covers approximately 605 acres, and on the east by a residential neighborhood. NWIRP Bethpage is currently listed by the New York State Department of Environmental Conservation (NYSDEC) as an "inactive hazardous waste site" (#1-30-003B), as is the Northrop Grumman Corporation (#1-30-300A) and the Hooker/Ruco site (#1-30-004), located less than 1/2 mile west of the NWIRP Bethpage site.

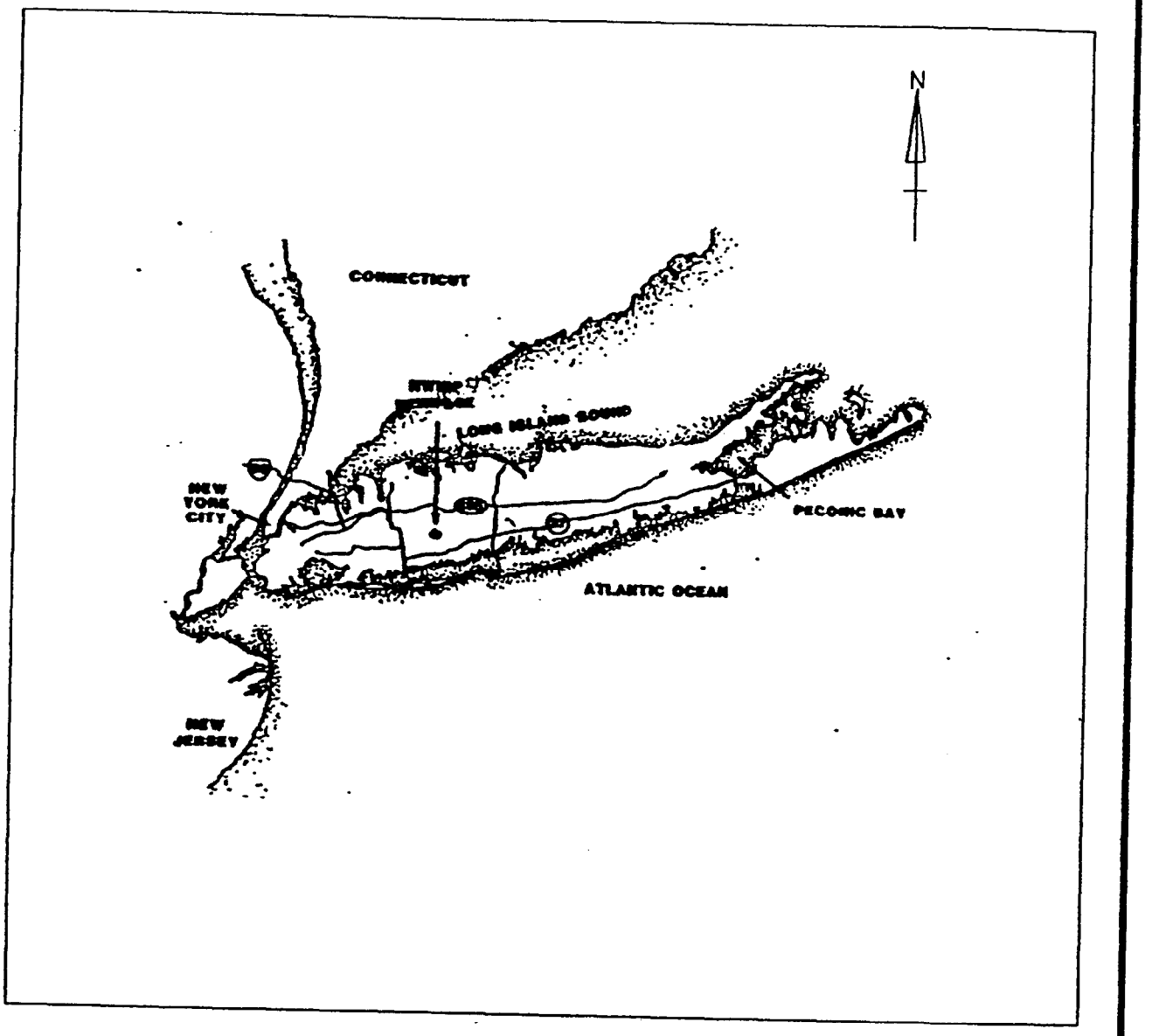
1.2 Site History

The NWIRP Bethpage plant was established in 1933 and is still active. Since its inception, the primary mission for the facility has been the research prototyping, testing, design engineering, fabrication, and primary assembly of military aircraft.

The facilities at NWIRP Bethpage include four plants, two warehouse complexes (north and south), a salvage storage area, water recharge basins, an industrial wastewater treatment plant, and several smaller support buildings. The four plants are either used for assembly and prototype testing (Plant Nos. 3, 5 and 20) or as quality control laboratories (Plant No. 10). The layout of the NWIRP Bethpage facility is shown in Figure 1-2.

Hazardous waste management practices for Grumman facilities on Long Island included the marshaling of drummed wastes on the NWIRP Bethpage property. Such storage first took place on a cinder-covered surface over the cesspool field, east of Plant No. 3 (see Figure 1-2). In 1978, the collection and marshaling point was moved a few yards south of the original site, to an area on a concrete pad. In 1982, drummed waste storage was transferred to the present Drum Marshaling facility, located in the Salvage Storage Area.

The excavation to be performed under DO 0004 involves the removal of contaminated soil at Sites 1 and 2 of the NWIRP Bethpage site (see Figure 1-3). A description of each site is presented below.



NAVAL WEAPONS RESERVE PLANT
BETHPAGE, N.Y.

FIGURE 1-1

SITE LOCATION MAP

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CAD FILE NAME: FIG1-1.DWG
PLOT FILE: 1=1

DATE: 9/19/95
TIME: 9:55 AM

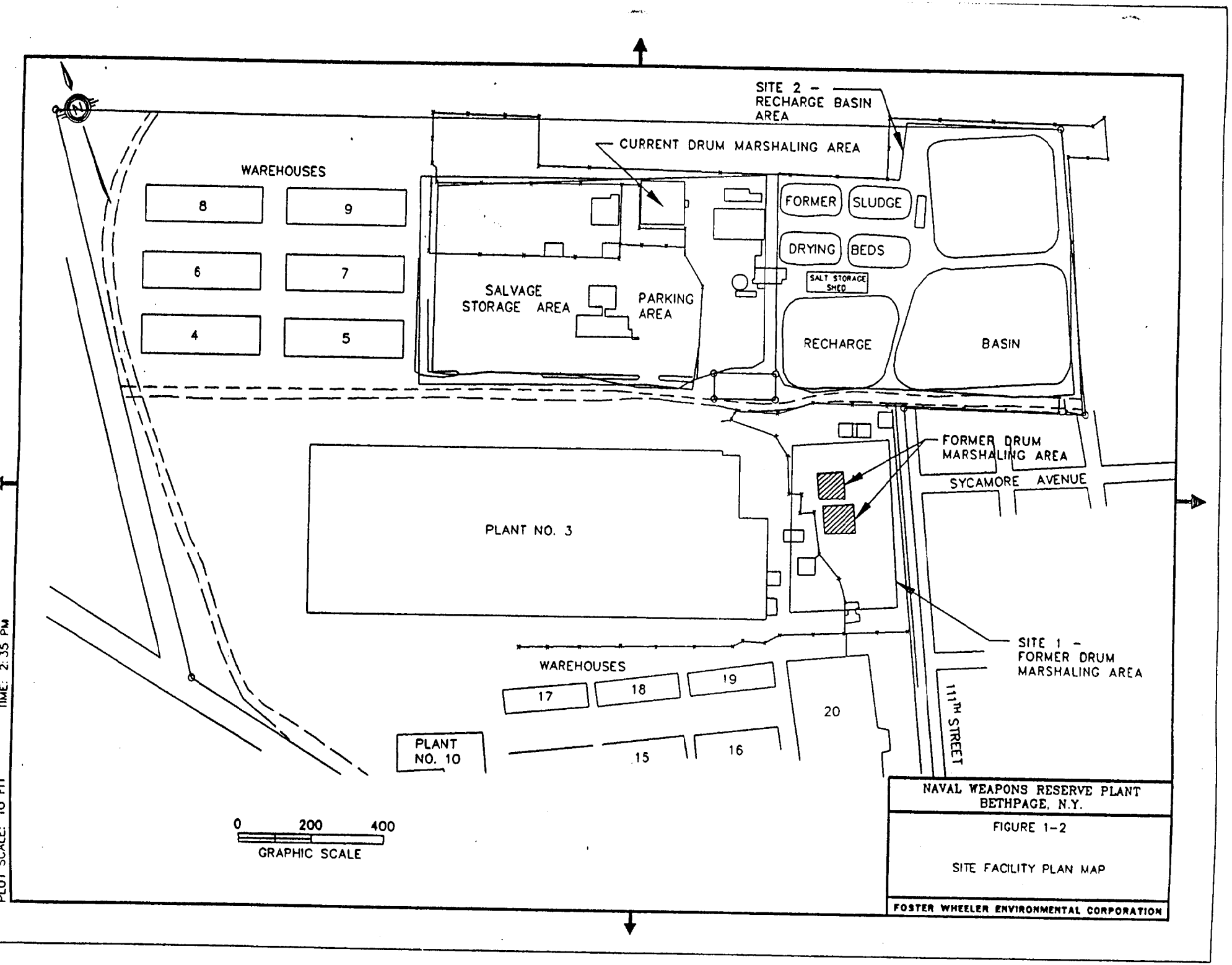
SITE 2 - RECHARGE BASIN AREA
CURRENT DRUM MARSHALING AREA
WAREHOUSES
8
9
6
7
4
5
SALVAGE STORAGE AREA
PARKING AREA
FORMER SLUDGE DRYING BEDS
SALT STORAGE SHED
RECHARGE BASIN
FORMER DRUM MARSHALING AREA
SYCAMORE AVENUE
PLANT NO. 3
SITE 1 - FORMER DRUM MARSHALING AREA
WAREHOUSES
17
18
19
20
PLANT NO. 10
15
16
111TH STREET
0 200 400
GRAPHIC SCALE
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FIGURE 1-2
SITE FACILITY PLAN MAP
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Site 1 - Former Drum Marshaling Area

Site 1 is located in the middle third of the NWIRP Bethpage facility, and is found east of Plant 3 (see Figure 1-3). It consists of a cinder-covered drum storage pad and a concrete drum storage pad, which are both no longer active, and an abandoned cesspool leach field. In addition, this area has been used for storage of various types of equipment and heavy materials, including transformers.

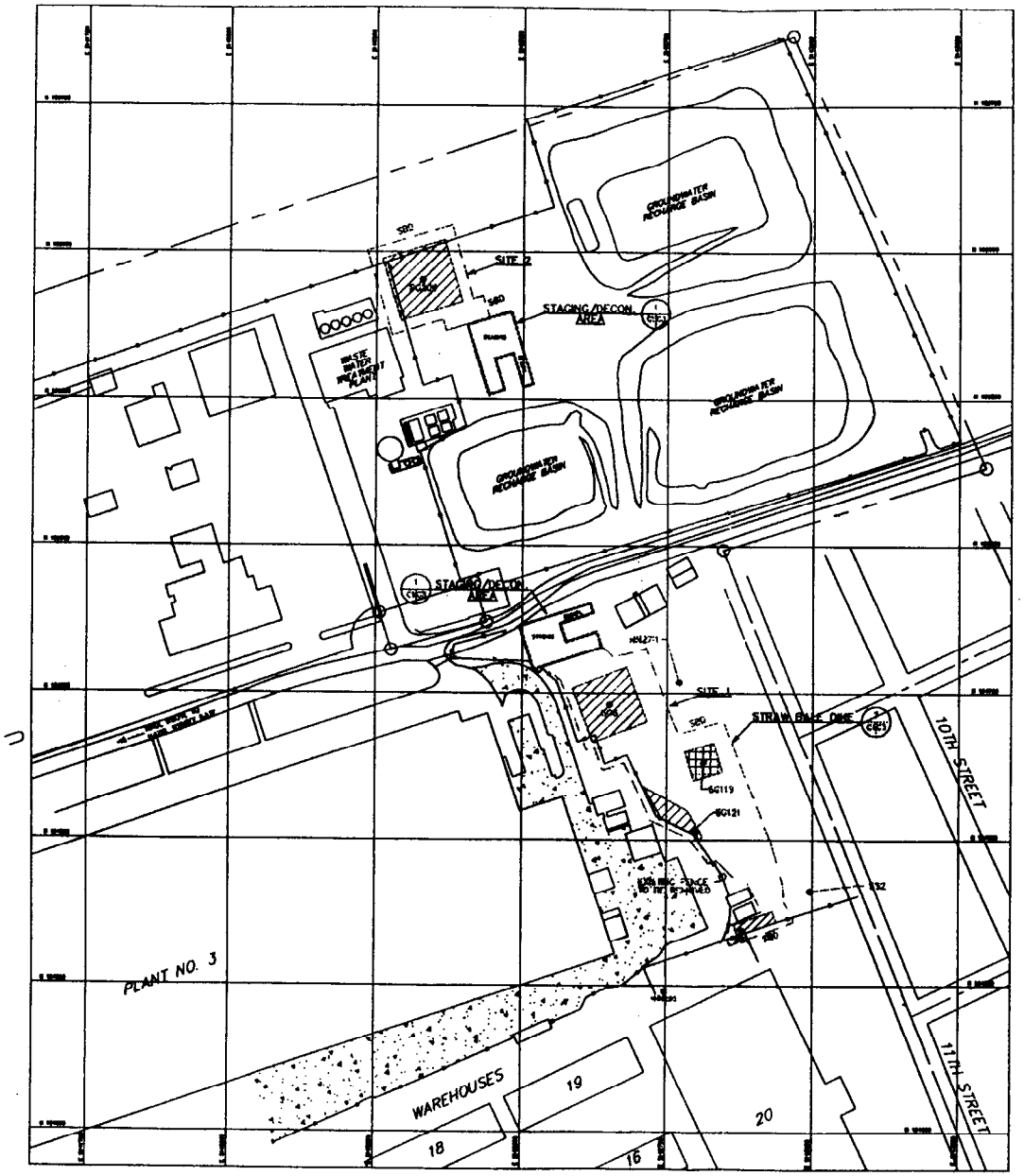
Polychlorinated biphenyls (PCBs) were detected in the soils of the former drum marshaling area during the Phase 2 Remedial Investigation (RI) conducted by Halliburton NUS (HNUS). Individual PCB concentrations ranged from 0.027 ppm to 1300 ppm, and PCBs were detected in all 8 of the sampling locations. Sampling depths ranged from 0 feet to 5 feet below grade.

Concentrations of arsenic were present in the soils of Site 1 during the initial RI sampling. Arsenic was detected in 8 of the 9 sampling locations, and was found at a maximum concentration of 3380 ppm in a sample located near the center of the former drum marshaling area (see Figure 1-3).

Site 2 - Recharge Basin Area

The Site 2 area is located in the northeast corner of the NWIRP Bethpage facility, and is found north of Site 1 (see Figure 1-3). It contains three groundwater recharge basins which currently receive non-contact cooling water. Historically, these basins received rinse waters from Grumman operations. In addition, former sludge drying beds have been located within Site 2; these beds no longer exist and have been filled in. Sludge from the Plant 2 industrial waste treatment facility was dewatered in these beds before being disposed of off site.

Soil sampling within Site 2 has shown PCB contamination. During the Phase 2 RI investigation, Aroclor-1248 and Aroclor-1254 were detected here, with individual PCB concentrations ranging from 0.048 ppm (at 0 feet below grade) to 33 ppm (at 3-5 feet below grade). The more elevated levels of PCBs were detected in the former sludge drying beds, in the north-northwestern section of Site 2.



LEGEND:

- PROPERTY LINE
- EXISTING FENCE
- PCB AREA
- ARSENIC AREA
- EXISITING CONCRETE
- STAGING — STAGING AREA
- DECON — DECONTAMINATION AREA
- SS – SURFACE SAMPLE
- SB – SOIL BORING
- SG – SOIL GAS SAMPLE
- SBD — STRAW BALE DIKE
- SG5 — SAMPLE POINT

NOTE:

STAGING AND DECONTAMINATION AREAS SHOWN ARE APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL ADJUST LOCATIONS BASED UPON APPLICABLE TRAFFIC PATTERNS.

0 100 200 300

GRAPHIC SCALE

NAVAL WEAPONS RESERVE PLANT
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FIGURE 1-3

LOCATION OF SITES 1 AND 2

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2.0 PRE-EXCAVATION FIELD INVESTIGATION

2.1 Introduction

The pre-excavation field investigation was performed from November 7 through November 17, 1995, in accordance with the Work Plan and the Sampling and Analysis Plan, presented under separate covers. The field activities consisted of the following subtasks, which will be described in the following subsections:

- Mobilization/Demobilization
- Site Survey
- Surface Soil Sampling
- Subsurface Soil Sampling

2.2 Description of Field Investigation

2.2.1 Mobilization/Demobilization

Prior to the start of the field activities, mobilization for the boring investigation commenced on November 7, 1995. The drilling subcontractor, R and L Well Drilling, mobilized their equipment and supplies to the NWIRP Bethpage site. In addition, decontamination pads were constructed at Sites 1 and 2. All drilling equipment and tools were decontaminated in preparation for the field work. Pressurized steam was used to remove all visible excess material from augers, rods, drill bits, the back of the drilling rig, and other parts of the rig which could contact augers, rods, and split-spoons.

Demobilization at the NWIRP Bethpage site included the grouting of all the boring location holes, the decontamination of all equipment leaving the site, and the staging of drums utilized for disposal of drill cuttings, personnel protective equipment and decontamination fluids.

2.2.2 Site Survey

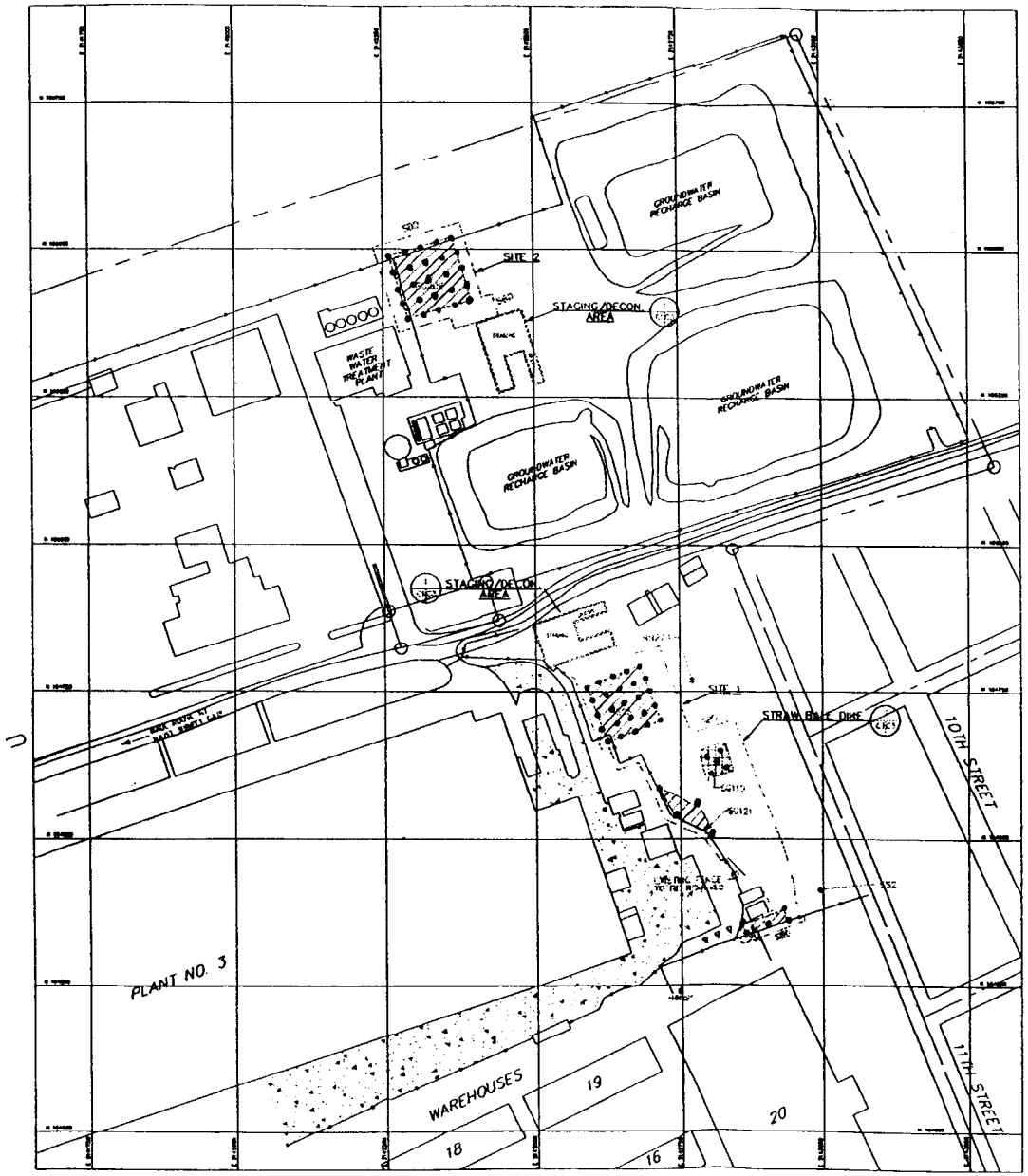
A survey of the NWIRP Bethpage site was performed by C.T. Male Associates. Locations and elevations of the pre-excavation sampling locations were identified, and these locations were linked to the existing site survey map.

2.2.3 Subsurface Soil Sampling

Sixty-four (64) soil borings were drilled at on-site locations between November 8 and November 16, 1995 (see Figure 2-1). The soil borings were advanced using hollow stem augers to a depth of 12 feet in the potentially contaminated areas (i.e., Site 1, Areas A through D, and Site 2). Soil samples were taken with a 3-inch split-spoon at 4-foot intervals (i.e., 2-4 feet, 6-8 feet, and 10-12 feet). Two locations (SB-25 and SB-26, located in Site 1, Area B) were drilled on an embankment. Samples from these two locations were taken at depth intervals corrected for the 6 foot difference in ground surface elevation.

2.2.4 Surface Soil Sampling

Sixty-seven (67) surface soil samples were collected between November 13 and November 16, 1995, at the NWIRP Bethpage site. Sixty-four (64) of the samples were taken from the same locations as the soil borings (see Section 3.3.3 and Figure 3-1), with the other three (3) samples being located to the southwest of Site 1, Area D, underneath the abandoned autoclave (see Figure 3-1).



LEGEND:

- PROPERTY LINE
- EXISTING FENCE
- PCB AREA
- ARSENIC AREA
- EXISITING CONCRETE
- STAGING — STAGING AREA
- DECON — DECONTAMINATION AREA
- ● SOIL BORING LOCATION (APPROX)
- ▽ AUTOCLAVE SURFACE LOCATION

NOTE:

STAGING AND DECONTAMINATION AREAS SHOWN ARE APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL ADJUST LOCATIONS BASED UPON APPLICABLE TRAFFIC PATTERNS.

0 100 200 300

GRAPHIC SCALE

NAVAL WEAPONS RESERVE PLANT
BETHPAGE, N.Y.

FIGURE 2 - 1

SAMPLING LOCATION MAP

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3.0 CONTAMINATION ASSESSMENT

3.1 Introduction

The pre-excavation field investigation conducted at the NWIRP Bethpage site included the collection and analysis of soil samples from across the site to determine the extent of contamination, especially in regard to polychlorinated biphenyls (PCBs) and arsenic. Laboratory analyses of the environmental samples were conducted in accordance with NYSDEC Analytical Services Protocol methodologies, by DataChem Laboratories, a New York State Department of Health certified laboratory. In total, there were 266 soil samples analyzed for PCBs, 22 soil samples analyzed for Toxicity Characteristic Leaching Procedure (TCLP) arsenic, and 56 soil samples analyzed for Target Compound List (TCL) Organics (volatiles, semi-volatiles and pesticides) and Target Analyte List (TAL) Metals. The tabulated results of the sampling investigation are summarized in Appendix A.

The data results for the soils analyzed for PCBs were compared to the soil levels for excavation and disposal (10-500 mg/kg) and for excavation and incineration (>500 mg/kg) as stated in the Final Submission for Remedial Design, Sites 1 and 2 (Halliburton NUS, May 1995) to help refine the soil contamination volume estimate for the remedial action. The TCLP arsenic results were reviewed against the TCLP regulatory level for arsenic (5 mg/L). In addition, NYSDEC recommended soil cleanup objective levels are provided on the appendix data tables for the TCL and TAL constituents for comparison.

3.2 Analytical Results

3.2.1 Polychlorinated Biphenyls (PCBs)

Two hundred and sixty-six (266) soil samples were analyzed for PCBs during the pre-excavation soil sampling. Of these, 16 were collected from Site 1, Area A (located on the southwestern portion near the wooden fence); 99 were sampled from Site 1, Area B (located on the northwestern portion); 22 were taken from Site 1, Area C (located near the center); and 21 were collected from Site 1, Area D (located on the southern portion). In addition, 105 soil samples were collected from Site 2 and 3 surface soil samples were collected from underneath the abandoned autoclave, located to the south-southwest of Site 1 (see Figure 2-1). Samples ranged in depth from 0-6 inches (surface) to 12 feet below grade. Tabulated results for the PCB samples are located in Appendix A, Table A-1.

PCBs were detected at concentrations ranging from 0.013 ppm to 3,800 ppm throughout Sites 1 and 2, with the majority of the occurrences being Aroclor 1248. The following paragraphs will describe the nature and extent of the PCBs detected in each of the site areas separately. As stated previously, PCB concentrations were compared to the soil levels for excavation and disposal (10-500 ppm) and for excavation and incineration (>500 ppm). In general, the descriptions below will focus on those constituents and location samples which exceeded these levels.

Area A is located in Site 1, along the southwestern side, near the wooden fence line (see Figure 2-1). As shown in Table 3-1, detected PCB concentrations for this area ranged as high as 3,800 ppm. Exceedances of the soil levels for excavation occurred at borings SB-02, SB-03 and SB-04 at depths of 0-6 inches, 2-4 feet, 6-8 feet, and/or 10-12 feet below grade. Soil boring SB-02 contained Aroclor 1248 at concentrations of 12 ppm (0-6 inches); 20 ppm (2-4 feet); and 15 ppm (10-12 feet), while SB-03 exceeded the soil levels fro Aroclor 1248 at 0-6 inches (16 ppm). Location SB-04 contained the most elevated levels of Aroclor 1248 found in this area. Concentrations of this compound were detected at 3,800 ppm (0-6 inches); 37 ppm (2-4 feet); 140 ppm (6-8 feet); and 62 ppm (10-12 feet, with a duplicate result at this depth of 56 ppm).

The northwestern portion of Site 1 to be sampled was designated as Area B (see Figure 2-1). Twenty-five borings were located in this area, and 15 of the borings contained soil which exceeded the excavation soil levels at least one depth (see Table 3-1). Locations in which PCB concentrations were present above soil comparison levels for either the 0-6 inch or 2-4 foot depth interval included SB-05; SB-06; SB-07; SB-08; SB-09; SB-11; SB-12; SB-13; SB-14; SB-15; SB-16; SB-22; SB-23; SB-24; and SB-26 [corrected]. Exceedance concentrations for these locations ranged from 12 ppm (SB-06) to 500 ppm (SB-14), and were detected for Aroclors 1242, 1248 and 1254. Three locations within Area B (SB-05, SB-06 and SB-15) contained PCB levels greater than the soil comparison level of 10 ppm in the 6-8 foot depth below grade range. Aroclor 1242 (at 20 ppm, SB-05 and at 150 ppm, SB-15) and Aroclor 1248 (at 12 ppm, SB-06) were present. Boring location SB-15 also contained 310 ppm of Aroclor 1248 at the deepest soil interval to be sampled, 10-12 feet below grade, along with 20 ppm of Aroclor 1242 in SB-24.

Aroclor 1248 was the only PCB to be detected during the investigation of Area C, located near the center of Site 1, to the northeast of Area A (see Table 3-1). Exceedances of soil excavation levels for this area were mostly within the 0-4 foot depth interval (i.e., 3 exceedances each for 0-6 inches and 2-4 feet), with 2 and 1 exceedances in the 6-8 and 10-12 foot depth ranges, respectively. Exceedance concentrations for Aroclor 1248 were 47 ppm, 13 ppm and 19 ppm in SB-29; 99 ppm in SB-30; 29 ppm (with 24 ppm in the duplicate), 52 ppm, 16 ppm, and 27 ppm in SB-31; and 17 ppm in SB-33.

As shown in Table 3-1, no PCBs were detected above the excavation soil comparison levels in Area D, located on the southern portion of Site 1. Detected concentrations ranged from 0.015 ppm to 8.2 ppm for this area.

Site 2 is located to the north of Site 1, and the 25 sampling locations for Site 2 were drilled within the former sludge drying bed area. Aroclors 1242 and 1248 were detected within all four depth intervals at exceedance concentrations, except for Aroclor 1242 at 10-12 feet in depth. Location SB-54 contained a concentration of 13 ppm for the 0-6 inch soil depth, while PCBs were present at 190 ppm, 31 ppm, 110 ppm and 51 ppm in borings SB-52, SB-53, SB-62 and SB-63, respectively, for the 2-4 foot range. Ten soil samples taken from 6-8 feet also contained PCB concentrations which were greater than the excavation soil comparison levels. These concentrations ranged from 11 ppm to 64 ppm. An exceedance concentration of 26 ppm for Aroclor 1248 was present at 10-12 feet in location SB-57, which had not shown any exceedance concentrations for the upper soil depths.

TABLE 3-1

RANGE OF PCB CONCENTRATIONS FOR SITE 1 AND SITE 2

	SITE 1 - AREA A				SITE 1 - AREA B				SITE 1 - AREA C			
COMPOUNDS	**0-6"**	**2'-4'**	**6'-8'**	**10'-12'**	**0-6"**	**2'-4'**	**6'-8'**	**10'-12'**	**0-6"**	**2'-4'**	**6'-8'**	**10'-12'**
Aroclor 1016	ND	ND-1.4	ND-3	ND-5.9	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND	ND	ND-4.4	ND-6.2	ND-0.43	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND	ND-180	ND-1.7	ND-150	ND-20	ND	ND	ND	ND
Aroclor 1248	0.97-3800	2.9-37	2.3-140	0.027-62	ND-110	ND-500	ND-12	ND-310	5.2-47	0.72-99	0.14-19	0.11-27
Aroclor 1254	ND	ND-1.4	ND-1.3	ND-5.6	ND-13	ND-150	ND-0.62	ND-0.36	ND	ND	ND	ND
Aroclor 1260	ND	ND-0.068	ND-0.099	ND-0.44	ND	ND	ND	ND	ND	ND	ND	ND

	SITE 1 - AREA D				SITE 2			
COMPOUNDS	**0-6"**	**2'-4'**	**6'-8'**	**10'-12'**	**0-6"**	**2'-4'**	**6'-8'**	**10'-12'**
Aroclor 1016	ND	ND	ND-0.036	ND	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND-0.015	ND-11	ND-190	ND-31	ND-6.9
Aroclor 1248	0.025-8.2	ND-3	ND-1.5	ND-0.35	ND-13	ND-110	ND-64	ND-26
Aroclor 1254	ND	ND-0.21	ND	ND	ND	ND	ND	ND
Aroclor 1260	ND	ND	ND	ND	ND	ND	ND	ND

NOTE: "ND" indicates that no concentrations were detected for this depth interval.

Three (3) surficial samples were taken from underneath the front, middle and rear of the abandoned autoclave located to the west of Site 1, Area D. Aroclor 1248 was detected at concentrations of 5.4 ppm (SSA-01, front); 19 ppm (SSA-02, middle); and 4.8 ppm (SSA-03, rear). No other PCB compounds were detected in these samples.

3.2.2 TCLP Arsenic

Twenty-two (22) soil samples were analyzed for Toxicity Characteristic Leaching Procedure (TCLP) arsenic during the field investigation, and the results were compared against the TCLP regulatory level for arsenic (5 mg/L). As shown in Appendix A, Table A-2, no arsenic concentrations were detected at greater than the 5 mg/L limit, and results ranged from 0.0079 mg/L (SB-02) to 0.047 mg/L (SB-31).

3.2.3 TCL Organics and TAL Metals

Approximately 20 percent of the soil samples were sent for TCL Organic and TAL Metal analysis (i.e., total of 56 samples). The tabulated results for these constituents are summarized in Appendix A, Tables A-3 through A-6. In addition to the analytical data, the NYSDEC recommended soil cleanup objective levels are provided on the appendix tables for comparison purposes.

TCL Volatile Organic Compounds

Although there were volatile organics detected during the soils investigation, the occurrence frequencies and concentration levels for these constituents were relatively low. Generally, the volatile detections were in the ppb or lower range. Exceptions included trichloroethene at 1.8 ppm (SB-01, 2-4 feet); tetrachloroethene at 6.7 ppm (SB-01, 2-4 feet); and toluene at 3.6 ppm (SB-05, 6-8 feet).

TCL Semi-Volatile Organic Compounds

Various polycyclic aromatic hydrocarbons (PAHs) and phenolic compounds were detected throughout Sites 1 and 2 at relatively low concentration levels (i.e., up to 11 ppm). A few constituents were present at levels which were greater than their NYSDEC recommended soil level; however, these concentrations were generally detected below the sample quantitation limit. Areas with more elevated PAH concentrations included SB-27 (6-8 feet); SB-28 (0-6 inches); SB-49 (2-4 feet); and SB-62 (0-6 inches); see Appendix A, Table A-4.

TCL Pesticides

As shown in Table A-5 in Appendix A, 16 pesticides were detected during the field investigation. In general, the concentrations for these pesticides were in the part per billion range, and most of the detections were below NYSDEC recommended soil levels, with exceptions for aldrin, heptachlor epoxide and dieldrin. Maximum concentration values for these three pesticides were 150 ppb (SB-24, 0-6 inches), 850 ppb (SB-46, 6-8 feet), and 420 ppb (SB-46, 6-8 feet), respectively (see Table A-5).

TAL Metals

Several metals detected within the site soils had concentrations which were greater than their respective NYSDEC recommended soil objective level (see Appendix A, Table A-6). However, the frequency of exceedance and the distribution of locations for many of these metals suggest that these concentrations could be indicative of the site soils.

4.0 REVISED ESTIMATE OF SOIL QUANTITY REQUIRING DISPOSAL

This section presents the revised estimate of the quantity of arsenic and PCB contaminated soil requiring disposal. The methodology used to calculate soil volumes, a summary of the results, and recommendations for additional sampling are presented in the sections that follow.

4.1 Methodology

Foster Wheeler conducted pre-excavation sampling along the grid patterns depicted in Figure 2-1. These grids were laid out to cover the areas of concern identified in the Remedial Design Report. The grids were established so that each sampling point represented the central node of a unit area cell. Four areas were established in Site 1, designated as Areas 1A, 1B, 1C, and 1D, as discussed in Section 2 of this report. One grid was established at Site 2. The dimensions of each unit cell are shown below:

Grid	Dimensions	Unit Volume
Area 1A	50'L x 50'W x 4'D	370 cy
Area 1B	25' L x 25'W x 4'D	93 cy
Area 1C	15'L x 15' W x 4'D	33 cy
Site 2	27.5'L x 27.5'W x 4'D	112 cy

At the request of the Navy, three surface samples were also collected at the center and each end of a large autoclave unit located to the west of Area 1D. Each sample represented a volume of approximately 67 cy (30'L x 30'W x 4'D).

The analytical results were plotted to develop grid cross sections. Cells that contained contamination were plotted in the cross section as "actual contamination.". In addition, cells that did not contain contamination in excess of cleanup criteria, but that were adjoined on several sides (both horizontally and vertically) were marked as "potential contamination." The cross sectional area of contamination was obtained by summing the areas of cells with actual and potential contamination. The area was multiplied by the node spacing for the grid to determine the volume of each section. The section volumes were then summed to estimate the volume of soil requiring disposal for each area. The calculation sheets and node numbering plots are provided in Appendix B.

The following assumptions were also used in developing the revised estimate:

- In areas where contaminated soil was abutted or overlain by a significant amount of clean soil, the clean soil could be removed, stockpiled, and used for backfill material. For example, at Site 2 the contaminated soil in Sections 40-60 and 41-61 is overlain by 4' of clean material.

- In areas where excavations are deeper than 4', the side slopes of the excavation will be cutback to achieve a slope of 1:1.5 per OSHA requirements (29 CFR Ch. XVII, Subpart P, Appendix A). The soil to be excavated from the side slopes is assumed to be clean and can be stockpiled and reused as backfill.

4.2 Summary of Results

The revised estimates based upon the analytical results from the pre-excavation sampling are presented below:

Area	Estimated Volume (cy)[1]	Estimated Weight (tons)[1]
Area 1A	2592[2]	4212
Area 1B	1945[3]	3160
Area 1C	200	325
Area 1D	0	0
Site 1 Subtotal	**4737**	**7697**
Site 2	2016	3276
Autoclave	67	109
Total	**6820**	**11082**

[1]To be consistent with the RD Report, in-bank cubic yards (BCY) were not converted to loose cubic yards (LCY). However, since soil costs are based upon ton, BCY were converted to weight using an estimated weight of 3250 lbs/in-bank cubic yards (1.625 tons/BCY) for dry sand.

[2]Approximately 370 cy (601 tons) of soil with a PCB concentration exceeding 500 ppm are included in this total. In accordance with the RD specification, this quantity must be sent for off-site incineration.

[3]Approximately 93 cy (150 tons) of soil with a PCB concentration exceeding 500 ppm are included in this total. In accordance with the RD specification, this quantity must be sent for off-site incineration.

The analytical results from the pre-excavation sampling in Area 1C indicate that there are no soil arsenic levels exceeding the criteria for removal.

A comparison of the revised estimates to the estimate provided in the RD Report is provided below:

Area/Type of Contamination	Estimate in RD Report	Revised Estimate
Site 1 - Arsenic-contaminated soils requiring off-site disposal (TCLP > 5.0 mg/l)	600 cy	0 cy
PCB-contaminated soils requiring off-site disposal (10 ppm to 500 ppm)	1,100 cy	4,274 cy
PCB-contaminated soils requiring incineration and off-site disposal (>500 ppm)	300 cy	463 cy
Site 2 - PCB-contaminated soils requiring off-site disposal (10 ppm to 500 ppm)	2,600 cy	2,016 cy

4.3 Recommendations for Additional Sampling

Based upon the results of the preexcavation sampling, Foster Wheeler recommends that the following additional sampling be performed:

- The highest concentrations of PCB contamination were found in Area 1A. This area is adjacent to a prefabrication structure currently marked as Transportation Storage. Additional sampling between the building and Area 1A should be performed to determine if there is sufficient space available to provide the necessary excavation side slopes without impacting the building foundation or if the installation of shoring will be required.

- PCB contamination above cleanup levels was detected at the 10'-12' sampling depth in Site 1, Areas 1A (Borings 2 and 4), 1B (Borings 15 and 24), and 1C (Boring 31) and Site 2 (Boring 57). Additional samples from the 14'-16' depth should be taken at these locations to determine the vertical extent of contamination. Excavation deeper than 12' will have significant impacts on the removal of contaminated soils.

During the preexcavation sampling, several of the abandoned leach pits at Site 1 were encountered in areas where excavation will be required. The Navy's direction is that the pits should be excavated along with the contaminated soils. Therefore, the pits should be sampled to characterize the wastes for disposal and to assess the potential health and safety impacts. Foster Wheeler recommends that samples be collected from a representative number of pits from each of the abandoned lines running through the excavation areas in the site analyzed for organic and inorganic contamination.

APPENDIX A

ANALYTICAL RESULT TABLE

LIST OF ANALYTICAL RESULT TABLES

Table	Title
A-1	Polychlorinated Biphenyls (PCBs)
A-2	TCLP Arsenic
A-3	TCL Volatile Organic Compounds
A-4	TCL Semi-Volatile Organic Compounds
A-5	TCL Pesticide Compounds
A-6	TAL Metals

ABBREVIATIONS AND QUALIFIERS UTILIZED IN RESULT TABLES

ppb	parts per billion (ug/kg or ug/L).
ppm	parts per million (mg/kg or mg/L).
TAL	Target Analyte List.
TCL	Target Compound List.
TCLP	Toxicity Characteristic Leaching Procedure.
TICs	Tentatively Identified Compounds.
U	Compound not detected at detection limits.
J	Compound value is estimated.
R	Compound value is rejected and deemed unusable.
B (organics)	Compound was found in the associated method blank.
NA	Not analyzed.
--	No criteria value exists for this compound.
	Compound concentration is above the recommended guidance value for soil. To be used for comparison and reference purposes only.

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB01-0002 SXS 01873 Soil 11/14/95 ug/kg	SB01-0204 SXS 01789 Soil 11/10/95 ug/kg	SB01-0608 SXS 01783 Soil 11/10/95 ug/kg	SB01-1012 SXS 01784 Soil 11/10/95 ug/kg	SB02-0002 SXS 01871 Soil 11/14/95 ug/kg	SB02-0204 SXS 01694 Soil 11/08/95 ug/kg	SB02-0608 SXS 01695 Soil 11/08/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	36 U	370 U	33 U	33 U	36 U	37 U	3,000
Aroclor 1221	10,000 - 500,000	>500,000	73 U	750 U	67 U	67 U	73 U	75 U	72 U
Aroclor 1232	10,000 - 500,000	>500,000	36 U	370 U	33 U	33 U	36 U	37 U	35 U
Aroclor 1242	10,000 - 500,000	>500,000	36 U	370 U	33 U	33 U	36 U	37 U	35 U
Aroclor 1248	10,000 - 500,000	>500,000	970	9,300	2,300	33 U	12,000	20,000	6,500
Aroclor 1254	10,000 - 500,000	>500,000	36 U	370 U	33 U	33 U	36 U	37 U	1,300
Aroclor 1260	10,000 - 500,000	>500,000	36 U	370 U	33 U	33 U	36 U	37 U	99

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB02-1012 SXS 01693 Soil 11/08/95 ug/kg	SB03-0002 SXS 01859 Soil 11/14/95 ug/kg	SB03-0204 SXS 01691 Soil 11/08/95 ug/kg	SB03-1012 SXS 01690 Soil 11/08/95 ug/kg	SB04-0002 SXS 01870 Soil 11/14/95 ug/kg	SB04-0204 SXS 01727 Soil 11/08/95 ug/kg	SB04-0608 SXS 01716 Soil 11/08/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	5,900	38 U	1,400	34 U	39 U	33 U	36 U
Aroclor 1221	10,000 - 500,000	>500,000	74 U	77 U	77 U	69 U	79 U	67 U	73 U
Aroclor 1232	10,000 - 500,000	>500,000	36 U	38 U	38 U	34 U	39 U	33 U	36 U
Aroclor 1242	10,000 - 500,000	>500,000	36 U	38 U	38 U	34 U	39 U	33 U	36 U
Aroclor 1248	10,000 - 500,000	>500,000	15,000	16,000	2,900	27	3,800,000	37,000	140,000
Aroclor 1254	10,000 - 500,000	>500,000	5,600	38 U	1,400	34 U	39 U	33 U	36 U
Aroclor 1260	10,000 - 500,000	>500,000	440	38 U	68	34 U	39 U	33 U	36 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB04-1012 SXS 01713 Soil 11/08/95 ug/kg	SB04-1012D SXS 01714 Soil 11/08/95 ug/kg	SB05-0002 SXS 01909 Soil 11/13/95 ug/kg	SB05-0002D SXS 01910 Soil 11/13/95 ug/kg	SB05-0204M SXS 01715 Soil 11/08/95 ug/kg	SB05-0608 SXS 01729 Soil 11/08/95 ug/kg	SB05-1012 SXS 01728 Soil 11/08/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	38 U	37 U	38 U	38 U	38 U	38 U	33 U
Aroclor 1221	10,000 - 500,000	>500,000	77 U	76 U	76 U	77 U	77 U	76 U	67 U
Aroclor 1232	10,000 - 500,000	>500,000	38 U	37 U	38 U	38 U	38 U	38 U	33 U
Aroclor 1242	10,000 - 500,000	>500,000	38 U	37 U	38 U	38 U	38 U	20,000	33 U
Aroclor 1248	10,000 - 500,000	>500,000	62,000	56,000	4,100	7,000	72,000	38 U	6,300
Aroclor 1254	10,000 - 500,000	>500,000	38 U	37 U	38 U	38 U	38 U	38 U	33 U
Aroclor 1260	10,000 - 500,000	>500,000	38 U	37 U	38 U	38 U	38 U	38 U	33 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB06-0002M SXS 01872 Soil 11/13/95 ug/kg	SB06-0002M [2 SXS 01908 Soil 11/14/95 ug/kg	SB06-0204 SXS 01709 Soil 11/08/95 ug/kg	SB06-0608 SXS 01730 Soil 11/08/95 ug/kg	SB06-1012 SXS 01731 Soil 11/08/95 ug/kg	SB07-0002 SXS 01915 Soil 11/13/95 ug/kg	SB07-0204 SXS 01712 Soil 11/08/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	40 U	40 U	36 U	33 U	33 U	36 U	38 U
Aroclor 1221	10,000 - 500,000	>500,000	80 U	82 U	72 U	67 U	67 U	74 U	77 U
Aroclor 1232	10,000 - 500,000	>500,000	40 U	40 U	36 U	33 U	33 U	36 U	4,400
Aroclor 1242	10,000 - 500,000	>500,000	40 U	27,000	36 U	33 U	33 U	32,000	38 U
Aroclor 1248	10,000 - 500,000	>500,000	12,000	40 U	2,600	12,000	130	36 U	38 U
Aroclor 1254	10,000 - 500,000	>500,000	40 U	13,000	36 U	33 U	33 U	36 U	38 U
Aroclor 1260	10,000 - 500,000	>500,000	40 U	40 U	36 U	33 U	33 U	36 U	38 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB07-0608 SXS 01710 Soil 11/08/95 ug/kg	SB07-1012 SXS 01732 Soil 11/08/95 ug/kg	SB08-0002 SXS 01911 Soil 11/13/95 ug/kg	SB08-0204 SXS 01711 Soil 11/08/95 ug/kg	SB08-0608 SXS 01708 Soil 11/08/95 ug/kg	SB08-1012 SXS 01717 Soil 11/08/95 ug/kg	SB09-0002 SXS 01914 Soil 11/13/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	35 U	33 U	42 U	37 U	34 U	34 U	35 U
Aroclor 1221	10,000 - 500,000	>500,000	71 U	67 U	85 U	75 U	70 U	69 U	72 U
Aroclor 1232	10,000 - 500,000	>500,000	6,200	33 U	42 U	37 U	34 U	430	35 U
Aroclor 1242	10,000 - 500,000	>500,000	35 U	2,800	11,000	37 U	34 U	34 U	35 U
Aroclor 1248	10,000 - 500,000	>500,000	35 U	33 U	42 U	1,100	34 U	34 U	17,000
Aroclor 1254	10,000 - 500,000	>500,000	35 U	33 U	42 U	37 U	34 U	34 U	35 U
Aroclor 1260	10,000 - 500,000	>500,000	35 U	33 U	42 U	37 U	34 U	34 U	35 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB09-0204 SXS 01812 Soil 11/09/95 ug/kg	SB09-0204D SXS 01813 Soil 11/09/95 ug/kg	SB09-0608M SXS 01748 Soil 11/09/95 ug/kg	SB09-1012 SXS 01746 Soil 11/09/95 ug/kg	SB10-0002 SXS 01864 Soil 11/13/95 ug/kg	SB10-0204 SXS 01751 Soil 11/09/95 ug/kg	SB10-0608 SXS 01809 Soil 11/09/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	41 U	35 U	38 U	34 U	37 U	36 U	37 U
Aroclor 1221	10,000 - 500,000	>500,000	82 U	72 U	77 U	69 U	75 U	74 U	74 U
Aroclor 1232	10,000 - 500,000	>500,000	41 U	35 U	38 U	34 U	37 U	36 U	37 U
Aroclor 1242	10,000 - 500,000	>500,000	1,700	1,200	38 U	34 U	37 U	570	2,700
Aroclor 1248	10,000 - 500,000	>500,000	41 U	35 U	260	120	9,600	36 U	37 U
Aroclor 1254	10,000 - 500,000	>500,000	41 U	35 U	38 U	34 U	37 U	36 U	37 U
Aroclor 1260	10,000 - 500,000	>500,000	41 U	35 U	38 U	34 U	37 U	36 U	37 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB10-1012 SXS 01811 Soil 11/09/95 ug/kg	SB11-0002 SXS 01903 Soil 11/13/95 ug/kg	SB11-0204 SXS 01810 Soil 11/09/95 ug/kg	SB11-0608 SXS 01808 Soil 11/09/95 ug/kg	SB11-1012 SXS 01804 Soil 11/09/95 ug/kg	SB12-0002 SXS 01925 Soil 11/13/95 ug/kg	SB12-0204 SXS 01739 Soil 11/09/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	34 U	36 U	36 U	36 U	34 U	33 U	37 U
Aroclor 1221	10,000 - 500,000	>500,000	69 U	74 U	73 U	73 U	68 U	67 U	74 U
Aroclor 1232	10,000 - 500,000	>500,000	34 U	36 U	36 U	36 U	34 U	33 U	37 U
Aroclor 1242	10,000 - 500,000	>500,000	34 U	36 U	36 U	36 U	34 U	33 U	37 U
Aroclor 1248	10,000 - 500,000	>500,000	510	33,000	7,200	13	61	48,000	740
Aroclor 1254	10,000 - 500,000	>500,000	34 U	36 U	36 U	36 U	34 U	33 U	300
Aroclor 1260	10,000 - 500,000	>500,000	34 U	36 U	36 U	36 U	34 U	33 U	37 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB12-0608 SXS 01738 Soil 11/09/95 ug/kg	SB12-1012 SXS 01740 Soil 11/09/95 ug/kg	SB13-0002 SXS 01916 Soil 11/13/95 ug/kg	SB13-0204 SXS 01735 Soil 11/09/95 ug/kg	SB13-0608 SXS 01737 Soil 11/09/95 ug/kg	SB13-1012 SXS 01736 Soil 11/09/95 ug/kg	SB14-0002 SXS 01913 Soil 11/13/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	33 U	33 U	36 U	33 U	33 U	34 U	37 U
Aroclor 1221	10,000 - 500,000	>500,000	67 U	67 U	72 U	67 U	67 U	70 U	74 U
Aroclor 1232	10,000 - 500,000	>500,000	33 U	33 U	36 U	33 U	33 U	34 U	37 U
Aroclor 1242	10,000 - 500,000	>500,000	33 U	33 U	36 U	33 U	33 U	3,400	37 U
Aroclor 1248	10,000 - 500,000	>500,000	1,200	330	27,000	42,000	4,800	34 U	110,000
Aroclor 1254	10,000 - 500,000	>500,000	560	160	36 U	33 U	33 U	360	37 U
Aroclor 1260	10,000 - 500,000	>500,000	33 U	33 U	36 U	33 U	33 U	34 U	37 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB14-0204 SXS 01747 Soil 11/09/95 ug/kg	SB14-0608 SXS 01754 Soil 11/09/95 ug/kg	SB14-0608D SXS 01752 Soil 11/09/95 ug/kg	SB14-1012 SXS 01749 Soil 11/09/95 ug/kg	SB15-0002 SXS 01905 Soil 11/13/95 ug/kg	SB15-0204 SXS 01750 Soil 11/09/95 ug/kg	SB15-0608M SXS 01741 Soil 11/09/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	37 U	37 U	38 U	34 U	37 U	35 U	35 U
Aroclor 1221	10,000 - 500,000	>500,000	75 U	75 U	77 U	69 U	76 U	72 U	72 U
Aroclor 1232	10,000 - 500,000	>500,000	37 U	37 U	38 U	34 U	37 U	35 U	35 U
Aroclor 1242	10,000 - 500,000	>500,000	37 U	37 U	38 U	34 U	37 U	35 U	150,000
Aroclor 1248	10,000 - 500,000	>500,000	500,000	2,100	1,400	600	37 U	230,000	35 U
Aroclor 1254	10,000 - 500,000	>500,000	150,000	37 U	38 U	34 U	37 U	110,000	35 U
Aroclor 1260	10,000 - 500,000	>500,000	37 U	37 U	38 U	34 U	37 U	35 U	35 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB15-1012 SXS 01806 Soil 11/09/95 ug/kg	SB16-0002 SXS 01926 Soil 11/09/95 ug/kg	SB16-0204 SXS 01743 Soil 11/09/95 ug/kg	SB16-0608 SXS 01805 Soil 11/09/95 ug/kg	SB16-1012 SXS 01807 Soil 11/13/95 ug/kg	SB17-0204 SXS 01744 Soil 11/09/95 ug/kg	SB17-0608 SXS 01745 Soil 11/09/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	34 U	33 U	36 U	34 U	34 U	36 U	35 U
Aroclor 1221	10,000 - 500,000	>500,000	69 U	67 U	73 U	69 U	70 U	72 U	71 U
Aroclor 1232	10,000 - 500,000	>500,000	34 U	33 U	36 U	34 U	34 U	36 U	35 U
Aroclor 1242	10,000 - 500,000	>500,000	34 U	7,000	36 U	34 U	34 U	36 U	35 U
Aroclor 1248	10,000 - 500,000	>500,000	310,000	33 U	16,000	2,900	1,600	160	1,000
Aroclor 1254	10,000 - 500,000	>500,000	34 U	33 U	36 U	34 U	34 U	36 U	350
Aroclor 1260	10,000 - 500,000	>500,000	34 U	33 U	36 U	34 U	34 U	36 U	35 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB17-1012 SXS 01742 Soil 11/09/95 ug/kg	SB18-0204 SXS 01753 Soil 11/09/95 ug/kg	SB18-0608 SXS 01718 Soil 11/09/95 ug/kg	SB18-1012 SXS 01719 Soil 11/09/95 ug/kg	SB19-0204 SXS 01720 Soil 11/09/95 ug/kg	SB19-0608 SXS 01721 Soil 11/09/95 ug/kg	SB19-1012 SXS 01723 Soil 11/09/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	36 U	360 U	35 U	35 U	36 U	33 U	35 U
Aroclor 1221	10,000 - 500,000	>500,000	74 U	740 U	70 U	70 U	72 U	67 U	70 U
Aroclor 1232	10,000 - 500,000	>500,000	36 U	360 U	35 U	35 U	36 U	33 U	35 U
Aroclor 1242	10,000 - 500,000	>500,000	36 U	360 U	35 U	35 U	36 U	33 U	35 U
Aroclor 1248	10,000 - 500,000	>500,000	440	500	1,600	260	180	230	35 U
Aroclor 1254	10,000 - 500,000	>500,000	36 U	360 U	620	35 U	36 U	33 U	35 U
Aroclor 1260	10,000 - 500,000	>500,000	36 U	360 U	35 U	35 U	36 U	33 U	35 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB20-0204 SXS 01724 Soil 11/09/95 ug/kg	SB20-0608 SXS 01725 Soil 11/09/95 ug/kg	SB20-1012 SXS 01726 Soil 11/09/95 ug/kg	SB21-0002 SXS 01912 Soil 11/13/95 ug/kg	SB21-0204 SXS 01766 Soil 11/10/95 ug/kg	SB21-0608 SXS 01775 Soil 11/10/95 ug/kg	SB21-0608D SXS 01774 Soil 11/10/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	33 U	33 U	33 U	40 U	35 U	36 U	36 U
Aroclor 1221	10,000 - 500,000	>500,000	67 U	67 U	67 U	81 U	71 U	73 U	74 U
Aroclor 1232	10,000 - 500,000	>500,000	33 U	33 U	33 U	40 U	35 U	36 U	36 U
Aroclor 1242	10,000 - 500,000	>500,000	33 U	33 U	33 U	40 U	35 U	310	320
Aroclor 1248	10,000 - 500,000	>500,000	140	81	88	110	3,600	120	36 U
Aroclor 1254	10,000 - 500,000	>500,000	33 U	33 U	33 U	40 U	35 U	36 U	36 U
Aroclor 1260	10,000 - 500,000	>500,000	33 U	33 U	33 U	40 U	35 U	36 U	36 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB21-1012 SXS 01765 Soil 11/10/95 ug/kg	SB22-0002 SXS 01927 Soil 11/13/95 ug/kg	SB22-0204 SXS 01767 Soil 11/10/95 ug/kg	SB22-0608 SXS 01764 Soil 11/10/95 ug/kg	SB22-1012 SXS 01771 Soil 11/10/95 ug/kg	SB23-0002 SXS 01928 Soil 11/13/95 ug/kg	SB23-0204 SXS 01776 Soil 11/10/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	36 U	33 U	35 U	35 U	37 U	33 U	35 U
Aroclor 1221	10,000 - 500,000	>500,000	74 U	67 U	71 U	71 U	75 U	67 U	72 U
Aroclor 1232	10,000 - 500,000	>500,000	36 U	33 U	35 U	35 U	37 U	33 U	35 U
Aroclor 1242	10,000 - 500,000	>500,000	36 U	15,000	35 U	35 U	81	810	35 U
Aroclor 1248	10,000 - 500,000	>500,000	36 U	33 U	15,000	4,000	37 U	33 U	68,000
Aroclor 1254	10,000 - 500,000	>500,000	36 U	33 U	35 U	35 U	37 U	33 U	35 U
Aroclor 1260	10,000 - 500,000	>500,000	36 U	33 U	35 U	35 U	37 U	33 U	35 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB23-0608 SXS 01768 Soil 11/10/95 ug/kg	SB23-1012 SXS 01770 Soil 11/10/95 ug/kg	SB24-0002 SXS 01907 Soil 11/13/95 ug/kg	SB24-0204 SXS 01757 Soil 11/10/95 ug/kg	SB24-0608 SXS 01756 Soil 11/10/95 ug/kg	SB24-1012M SXS 01772 Soil 11/10/95 ug/kg	SB25-0002C SXS 01760 Soil 11/10/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	35 U	35 U	36 U	36 U	34 U	34 U	37 U
Aroclor 1221	10,000 - 500,000	>500,000	70 U	70 U	73 U	73 U	70 U	68 U	75 U
Aroclor 1232	10,000 - 500,000	>500,000	35 U	35 U	36 U	36 U	34 U	34 U	37 U
Aroclor 1242	10,000 - 500,000	>500,000	35 U	100	180,000	36 U	34 U	20,000	37 U
Aroclor 1248	10,000 - 500,000	>500,000	4,400	35 U	36 U	36 U	34 U	34 U	160
Aroclor 1254	10,000 - 500,000	>500,000	35 U	35 U	36 U	36 U	34 U	34 U	37 U
Aroclor 1260	10,000 - 500,000	>500,000	35 U	35 U	36 U	36 U	34 U	34 U	37 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB25-0204C SXS 01762 Soil 11/10/95 ug/kg	SB25-0608C SXS 01759 Soil 11/10/95 ug/kg	SB25-1012C SXS 01758 Soil 11/10/95 ug/kg	SB26-0002C SXS 01773 Soil 11/10/95 ug/kg	SB26-0204C SXS 01761 Soil 11/10/95 ug/kg	SB26-0608C SXS 01763 Soil 11/10/95 ug/kg	SB26-1012C SXS 01769 Soil 11/10/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	35 U	35 U	36 U	35 U	38 U	36 U	36 U
Aroclor 1221	10,000 - 500,000	>500,000	71 U	71 U	72 U	71 U	77 U	73 U	72 U
Aroclor 1232	10,000 - 500,000	>500,000	35 U	35 U	36 U	35 U	38 U	36 U	36 U
Aroclor 1242	10,000 - 500,000	>500,000	35 U	35 U	36 U	35 U	38 U	36 U	36 U
Aroclor 1248	10,000 - 500,000	>500,000	51	35 U	36 U	28,000	38 U	36 U	36 U
Aroclor 1254	10,000 - 500,000	>500,000	35 U	35 U	36 U	35 U	38 U	36 U	36 U
Aroclor 1260	10,000 - 500,000	>500,000	35 U	35 U	36 U	35 U	38 U	36 U	36 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB27-0002 SXS 01917 Soil 11/13/95 ug/kg	SB27-0204 SXS 01777 Soil 11/10/95 ug/kg	SB27-0204D SXS 01778 Soil 11/10/95 ug/kg	SB27-0608 SXS 01779 Soil 11/10/95 ug/kg	SB28-0002 SXS 01904 Soil 11/13/95 ug/kg	SB28-0204M SXS 01780 Soil 11/10/95 ug/kg	SB29-0002 SXS 01868 Soil 11/14/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	37 U	35 U	35 U	360 U	37 U	35 U	38 U
Aroclor 1221	10,000 - 500,000	>500,000	74 U	72 U	72 U	740 U	76 U	72 U	76 U
Aroclor 1232	10,000 - 500,000	>500,000	37 U	35 U	35 U	360 U	37 U	35 U	38 U
Aroclor 1242	10,000 - 500,000	>500,000	37 U	35 U	35 U	360 U	37 U	980	38 U
Aroclor 1248	10,000 - 500,000	>500,000	690	1,600	2,000	890	3,100	35 U	47,000
Aroclor 1254	10,000 - 500,000	>500,000	37 U	35 U	35 U	360 U	37 U	35 U	38 U
Aroclor 1260	10,000 - 500,000	>500,000	37 U	35 U	35 U	360 U	37 U	35 U	38 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB29-0204 SXS 01781 Soil 11/10/95 ug/kg	SB29-0608 SXS 01782 Soil 11/10/95 ug/kg	SB29-1012 SXS 01793 Soil 11/10/95 ug/kg	SB30-0002 SXS 01900 Soil 11/14/95 ug/kg	SB30-0204 SXS 01786 Soil 11/10/95 ug/kg	SB30-0608 SXS 01785 Soil 11/10/95 ug/kg	SB30-1012 SXS 01787 Soil 11/10/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	33 U	33 U	34 U	36 U	33 U	33 U	33 U
Aroclor 1221	10,000 - 500,000	>500,000	67 U	67 U	70 U	73 U	67 U	67 U	67 U
Aroclor 1232	10,000 - 500,000	>500,000	33 U	33 U	34 U	36 U	33 U	33 U	33 U
Aroclor 1242	10,000 - 500,000	>500,000	33 U	33 U	34 U	36 U	33 U	33 U	33 U
Aroclor 1248	10,000 - 500,000	>500,000	13,000	19,000	890	8,900	99,000	640	460
Aroclor 1254	10,000 - 500,000	>500,000	33 U	33 U	34 U	36 U	33 U	33 U	33 U
Aroclor 1260	10,000 - 500,000	>500,000	33 U	33 U	34 U	36 U	33 U	33 U	33 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB31-0002 SXS 01869 Soil 11/14/95 ug/kg	SB31-0002D SXS 01858 Soil 11/14/95 ug/kg	SB31-0204 SXS 01795 Soil 11/10/95 ug/kg	SB31-0608 SXS 01796 Soil 11/10/95 ug/kg	SB31-1012 SXS 01788 Soil 11/10/95 ug/kg	SB32-0002M SXS 01852 Soil 11/14/95 ug/kg	SB32-0204M SXS 01794 Soil 11/10/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	36 U	36 U	33 U	350 U	33 U	37 U	33 U
Aroclor 1221	10,000 - 500,000	>500,000	74 U	73 U	67 U	720 U	67 U	76 U	67 U
Aroclor 1232	10,000 - 500,000	>500,000	36 U	36 U	33 U	350 U	33 U	37 U	33 U
Aroclor 1242	10,000 - 500,000	>500,000	36 U	36 U	33 U	350 U	33 U	37 U	33 U
Aroclor 1248	10,000 - 500,000	>500,000	29,000	24,000	52,000	16,000	27,000	5,200	720
Aroclor 1254	10,000 - 500,000	>500,000	36 U	36 U	33 U	350 U	33 U	37 U	33 U
Aroclor 1260	10,000 - 500,000	>500,000	36 U	36 U	33 U	350 U	33 U	37 U	33 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB32-0608 SXS 01791 Soil 11/10/95 ug/kg	SB32-0608D SXS 01792 Soil 11/10/95 ug/kg	SB32-1012 SXS 01790 Soil 11/10/95 ug/kg	SB33-0002 SXS 01857 Soil 11/14/95 ug/kg	SB33-0204 SXS 01841 Soil 11/13/95 ug/kg	SB33-0608 SXS 01829 Soil 11/13/95 ug/kg	SB33-1012 SXS 01835 Soil 11/13/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	33 U	33 U	33 U	37 U	37 U	36 U	34 U
Aroclor 1221	10,000 - 500,000	>500,000	67 U	67 U	67 U	74 U	74 U	74 U	69 U
Aroclor 1232	10,000 - 500,000	>500,000	33 U	33 U	33 U	37 U	37 U	36 U	34 U
Aroclor 1242	10,000 - 500,000	>500,000	33 U	33 U	33 U	37 U	37 U	36 U	34 U
Aroclor 1248	10,000 - 500,000	>500,000	140	170	110	17,000	5,500	3,300	8,900
Aroclor 1254	10,000 - 500,000	>500,000	33 U	33 U	33 U	37 U	37 U	36 U	34 U
Aroclor 1260	10,000 - 500,000	>500,000	33 U	33 U	33 U	37 U	37 U	36 U	34 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB34-0002 SXS 01895 Soil 11/14/95 ug/kg	SB34-0204 SXS 01833 Soil 11/13/95 ug/kg	SB34-0608 SXS 01836 Soil 11/13/95 ug/kg	SB34-1012 SXS 01840 Soil 11/13/95 ug/kg	SB35-0002 SXS 01894 Soil 11/14/95 ug/kg	SB35-0204 SXS 01832 Soil 11/13/95 ug/kg	SB35-0608 SXS 01839 Soil 11/13/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	40 U	38 U	35 U	34 U	38 U	36 U	35 U
Aroclor 1221	10,000 - 500,000	>500,000	81 U	78 U	70 U	69 U	77 U	73 U	71 U
Aroclor 1232	10,000 - 500,000	>500,000	40 U	38 U	35 U	34 U	38 U	36 U	35 U
Aroclor 1242	10,000 - 500,000	>500,000	40 U	38 U	35 U	34 U	38 U	36 U	35 U
Aroclor 1248	10,000 - 500,000	>500,000	480	38 U	36	34 U	8,200	3,000	1,500
Aroclor 1254	10,000 - 500,000	>500,000	40 U	38 U	35 U	34 U	38 U	36 U	35 U
Aroclor 1260	10,000 - 500,000	>500,000	40 U	38 U	35 U	34 U	38 U	36 U	35 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB35-1012 SXS 01834 Soil 11/13/95 ug/kg	SB36-0002 SXS 01898 Soil 11/14/95 ug/kg	SB36-0204 SXS 01824 Soil 11/13/95 ug/kg	SB36-0608 SXS 01830 Soil 11/13/95 ug/kg	SB36-1012 SXS 01827 Soil 11/13/95 ug/kg	SB37-0002 SXS 01891 Soil 11/14/95 ug/kg	SB37-0204M SXS 01837 Soil 11/13/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	34 U	35 U	36 U	35 U	34 U	41 U	38 U
Aroclor 1221	10,000 - 500,000	>500,000	69 U	72 U	73 U	70 U	69 U	83 U	77 U
Aroclor 1232	10,000 - 500,000	>500,000	34 U	35 U	36 U	35 U	34 U	41 U	38 U
Aroclor 1242	10,000 - 500,000	>500,000	34 U	35 U	36 U	35 U	34 U	41 U	38 U
Aroclor 1248	10,000 - 500,000	>500,000	350	120	390	63	59	25	38 U
Aroclor 1254	10,000 - 500,000	>500,000	34 U	35 U	36 U	35 U	34 U	41 U	38 U
Aroclor 1260	10,000 - 500,000	>500,000	34 U	35 U	36 U	35 U	34 U	41 U	38 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB37-0608 SXS 01825 Soil 11/13/95 ug/kg	SB37-0608D SXS 01823 Soil 11/13/95 ug/kg	SB37-1012 SXS 01831 Soil 11/13/95 ug/kg	SB38-0002 SXS 01896 Soil 11/14/95 ug/kg	SB38-0204 SXS 01838 Soil 11/13/95 ug/kg	SB38-0608 SXS 01828 Soil 11/13/95 ug/kg	SB38-1012 SXS 01826 Soil 11/13/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	37 U	36	34 U	37 U	39 U	37 U	34 U
Aroclor 1221	10,000 - 500,000	>500,000	74 U	73 U	69 U	74 U	79 U	74 U	68 U
Aroclor 1232	10,000 - 500,000	>500,000	37 U	36 U	34 U	37 U	39 U	37 U	34 U
Aroclor 1242	10,000 - 500,000	>500,000	37 U	36 U	34 U	37 U	39 U	37 U	15
Aroclor 1248	10,000 - 500,000	>500,000	37 U	36 U	34 U	2,700	260	110	34 U
Aroclor 1254	10,000 - 500,000	>500,000	37 U	36 U	34 U	37 U	210	37 U	34 U
Aroclor 1260	10,000 - 500,000	>500,000	37 U	36 U	34 U	37 U	39 U	37 U	34 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB39-0002 SXS 02010 Soil 11/16/95 ug/kg	SB39-0204 SXS 01842 Soil 11/13/95 ug/kg	SB39-0608 SXS 01853 Soil 11/13/95 ug/kg	SB39-1012 SXS 01901 Soil 11/13/95 ug/kg	SB40-0002 SXS 01890 Soil 11/14/95 ug/kg	SB40-0204 SXS 01849 Soil 11/13/95 ug/kg	SB40-0608 SXS 01862 Soil 11/13/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	35 U	35 U	36 U	34 U	36 U	35 U	36 U
Aroclor 1221	10,000 - 500,000	>500,000	70 U	72 U	72 U	69 U	73 U	72 U	72 U
Aroclor 1232	10,000 - 500,000	>500,000	35 U	35 U	36 U	34 U	36 U	35 U	36 U
Aroclor 1242	10,000 - 500,000	>500,000	35 U	35 U	36 U	34 U	36 U	35 U	36 U
Aroclor 1248	10,000 - 500,000	>500,000	1,900	2,100	1,400	62	2,700	3,200	8,600
Aroclor 1254	10,000 - 500,000	>500,000	35 U	35 U	36 U	34 U	36 U	35 U	36 U
Aroclor 1260	10,000 - 500,000	>500,000	35 U	35 U	36 U	34 U	36 U	35 U	36 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB40-1012 SXS 01854 Soil 11/13/95 ug/kg	SB41-0002 SXS 01897 Soil 11/14/95 ug/kg	SB41-0204 SXS 01850 Soil 11/13/95 ug/kg	SB41-0608 SXS 01906 Soil 11/13/95 ug/kg	SB41-1012 SXS 01851 Soil 11/13/95 ug/kg	SB42-0002 SXS 01893 Soil 11/14/95 ug/kg	SB42-0204 SXS 01845 Soil 11/13/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	35 U	35 U	34 U	36 U	35 U	37 U	35 U
Aroclor 1221	10,000 - 500,000	>500,000	70 U	72 U	70 U	74 U	71 U	76 U	72 U
Aroclor 1232	10,000 - 500,000	>500,000	35 U	35 U	34 U	36 U	35 U	37 U	35 U
Aroclor 1242	10,000 - 500,000	>500,000	35 U	35 U	34 U	36 U	35 U	37 U	35 U
Aroclor 1248	10,000 - 500,000	>500,000	8,700	1,900	3,500	64,000	6,400	2,600	230
Aroclor 1254	10,000 - 500,000	>500,000	35 U	35 U	34 U	36 U	35 U	37 U	35 U
Aroclor 1260	10,000 - 500,000	>500,000	35 U	35 U	34 U	36 U	35 U	37 U	35 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB42-0608 SXS 01848 Soil 11/13/95 ug/kg	SB42-1012 SXS 01847 Soil 11/13/95 ug/kg	SB43-0002 SXS 01892 Soil 11/14/95 ug/kg	SB43-0204 SXS 01846 Soil 11/13/95 ug/kg	SB43-0608 SXS 01844 Soil 11/13/95 ug/kg	SB43-1012 SXS 01843 Soil 11/13/95 ug/kg	SB44-0002M SXS 01882 Soil 11/14/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	35 U	34 U	37 U	36 U	36 U	34 U	39 U
Aroclor 1221	10,000 - 500,000	>500,000	71 U	70 U	75 U	74 U	73 U	70 U	78 U
Aroclor 1232	10,000 - 500,000	>500,000	35 U	34 U	37 U	36 U	36 U	34 U	39 U
Aroclor 1242	10,000 - 500,000	>500,000	35 U	34 U	37 U	36 U	36 U	34 U	39 U
Aroclor 1248	10,000 - 500,000	>500,000	13	44	440	1,600	960	250	1,800
Aroclor 1254	10,000 - 500,000	>500,000	35 U	34 U	37 U	36 U	36 U	34 U	39 U
Aroclor 1260	10,000 - 500,000	>500,000	35 U	34 U	37 U	36 U	36 U	34 U	39 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB44-0204 SXS 01860 Soil 11/13/95 ug/kg	SB44-0608 SXS 01863 Soil 11/13/95 ug/kg	SB44-1012 SXS 01899 Soil 11/13/95 ug/kg	SB45-0002 SXS 02012 Soil 11/16/95 ug/kg	SB45-0204M SXS 01865 Soil 11/13/95 ug/kg	SB45-0608 SXS 01855 Soil 11/13/95 ug/kg	SB45-0608D SXS 01861 Soil 11/13/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	35 U	34 U	35 U	35 U	35 U	35 U	36 U
Aroclor 1221	10,000 - 500,000	>500,000	72 U	70 U	70 U	72 U	71 U	72 U	72 U
Aroclor 1232	10,000 - 500,000	>500,000	35 U	34 U	35 U	35 U	35 U	35 U	36 U
Aroclor 1242	10,000 - 500,000	>500,000	35 U	34 U	35 U	35 U	35 U	35 U	36 U
Aroclor 1248	10,000 - 500,000	>500,000	790	86	46	1,400	2,900	14,000	33,000
Aroclor 1254	10,000 - 500,000	>500,000	35 U	34 U	35 U	35 U	35 U	35 U	36 U
Aroclor 1260	10,000 - 500,000	>500,000	35 U	34 U	35 U	35 U	35 U	35 U	36 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB45-1012 SXS 01856 Soil 11/13/95 ug/kg	SB46-0002 SXS 01876 Soil 11/14/95 ug/kg	SB46-0204 SXS 01929 Soil 11/15/95 ug/kg	SB46-0608 SXS 01930 Soil 11/15/95 ug/kg	SB46-1012 SXS 01931 Soil 11/15/95 ug/kg	SB47-0002 SXS 01883 Soil 11/14/95 ug/kg	SB47-0204 SXS 01932 Soil 11/15/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	36 U	36 U	33 U	35 U	33 U	36 U	33 U
Aroclor 1221	10,000 - 500,000	>500,000	73 U	73 U	67 U	70 U	67 U	73 U	67 U
Aroclor 1232	10,000 - 500,000	>500,000	36 U	36 U	33 U	35 U	33 U	36 U	33 U
Aroclor 1242	10,000 - 500,000	>500,000	36 U	36 U	33 U	35 U	33 U	36 U	33 U
Aroclor 1248	10,000 - 500,000	>500,000	4,500	1,100	1,000	31,000	6,500	330	33 U
Aroclor 1254	10,000 - 500,000	>500,000	36 U	36 U	33 U	35 U	33 U	36 U	33 U
Aroclor 1260	10,000 - 500,000	>500,000	36 U	36 U	33 U	35 U	33 U	36 U	33 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB47-0608 SXS 01933 Soil 11/15/95 ug/kg	SB47-1012 SXS 01934 Soil 11/15/95 ug/kg	SB48-0002 SXS 01888 Soil 11/14/95 ug/kg	SB48-0204 SXS 01935 Soil 11/15/95 ug/kg	SB48-0608 SXS 01936 Soil 11/15/95 ug/kg	SB48-1012 SXS 01937 Soil 11/15/95 ug/kg	SB49-0002 SXS 01887 Soil 11/14/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	33 U	33 U	37 U	35 U	33 U	33 U	38 U
Aroclor 1221	10,000 - 500,000	>500,000	67 U	67 U	76 U	70 U	67 U	67 U	78 U
Aroclor 1232	10,000 - 500,000	>500,000	33 U	33 U	37 U	35 U	33 U	33 U	38 U
Aroclor 1242	10,000 - 500,000	>500,000	33 U	33 U	37 U	6,400	33 U	33 U	38 U
Aroclor 1248	10,000 - 500,000	>500,000	14,000	4,100	840	35 U	4,000	150	3,800
Aroclor 1254	10,000 - 500,000	>500,000	33 U	33 U	37 U	35 U	33 U	33 U	38 U
Aroclor 1260	10,000 - 500,000	>500,000	33 U	33 U	37 U	35 U	33 U	33 U	38 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB49-0204 SXS 01950 Soil 11/15/95 ug/kg	SB49-0608 SXS 01951 Soil 11/15/95 ug/kg	SB49-1012 SXS 01952 Soil 11/15/95 ug/kg	SB50-0002 SXS 01889 Soil 11/14/95 ug/kg	SB50-0204 SXS 01944 Soil 11/15/95 ug/kg	SB50-0608 SXS 01945 Soil 11/15/95 ug/kg	SB50-1012 SXS 01946 Soil 11/15/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	39 U	36 U	34 U	35 U	38 U	37 U	36 U
Aroclor 1221	10,000 - 500,000	>500,000	79 U	72 U	70 U	72 U	77 U	75 U	73 U
Aroclor 1232	10,000 - 500,000	>500,000	39 U	36 U	34 U	35 U	38 U	37 U	36 U
Aroclor 1242	10,000 - 500,000	>500,000	39 U	36 U	34 U	35 U	38 U	37 U	36 U
Aroclor 1248	10,000 - 500,000	>500,000	1,100	440	34 U	7,700	6,500	3,600	2,200
Aroclor 1254	10,000 - 500,000	>500,000	39 U	36 U	34 U	35 U	38 U	37 U	36 U
Aroclor 1260	10,000 - 500,000	>500,000	39 U	36 U	34 U	35 U	38 U	37 U	36 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB51-0002 SXS 01879 Soil 11/14/95 ug/kg	SB51-0002D SXS 01880 Soil 11/14/95 ug/kg	SB51-0204 SXS 01947 Soil 11/15/95 ug/kg	SB51-0608 SXS 01948 Soil 11/15/95 ug/kg	SB51-1012 SXS 01949 Soil 11/15/95 ug/kg	SB52-0002 SXS 02011 Soil 11/16/95 ug/kg	SB52-0204 SXS 01938 Soil 11/15/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	36 U	37 U	37 U	36 U	34 U	35 U	33 U
Aroclor 1221	10,000 - 500,000	>500,000	74 U	74 U	75 U	73 U	70 U	72 U	67 U
Aroclor 1232	10,000 - 500,000	>500,000	36 U	37 U	37 U	36 U	34 U	35 U	33 U
Aroclor 1242	10,000 - 500,000	>500,000	36 U	37 U	37 U	36 U	34 U	2,100	190,000
Aroclor 1248	10,000 - 500,000	>500,000	4,500	5,200	6,200	12,000	6,700	35 U	33 U
Aroclor 1254	10,000 - 500,000	>500,000	36 U	37 U	37 U	36 U	34 U	35 U	33 U
Aroclor 1260	10,000 - 500,000	>500,000	36 U	37 U	37 U	36 U	34 U	35 U	33 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB52-0608 SXS 01939 Soil 11/15/95 ug/kg	SB52-1012 SXS 01940 Soil 11/15/95 ug/kg	SB53-0002 SXS 01885 Soil 11/14/95 ug/kg	SB53-0204 SXS 01941 Soil 11/15/95 ug/kg	SB53-0608 SXS 01942 Soil 11/15/95 ug/kg	SB53-1012 SXS 01943 Soil 11/15/95 ug/kg	SB54-0002 SXS 01878 Soil 11/14/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	35 U	34 U	39 U	36 U	37 U	34 U	40 U
Aroclor 1221	10,000 - 500,000	>500,000	70 U	68 U	78 U	73 U	76 U	69 U	82 U
Aroclor 1232	10,000 - 500,000	>500,000	35 U	34 U	39 U	36 U	37 U	34 U	40 U
Aroclor 1242	10,000 - 500,000	>500,000	31,000	1,100	39 U	36 U	37 U	2,300	40 U
Aroclor 1248	10,000 - 500,000	>500,000	35 U	34 U	580	31,000	11,000	34 U	13,000
Aroclor 1254	10,000 - 500,000	>500,000	35 U	34 U	39 U	36 U	37 U	34 U	40 U
Aroclor 1260	10,000 - 500,000	>500,000	35 U	34 U	39 U	36 U	37 U	34 U	40 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB54-0204 SXS 01966 Soil 11/15/95 ug/kg	SB54-0608 SXS 01976 Soil 11/15/95 ug/kg	SB54-1012 SXS 01977 Soil 11/15/95 ug/kg	SB55-0002 SXS 02014 Soil 11/16/95 ug/kg	SB55-0204 SXS 01985 Soil 11/15/95 ug/kg	SB55-0204D SXS 01984 Soil 11/15/95 ug/kg	SB55-0608 SXS 01972 Soil 11/15/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	33 U	37 U	33 U	36 U	37 U	38 U	33 U
Aroclor 1221	10,000 - 500,000	>500,000	67 U	75 U	67 U	73 U	76 U	77 U	67 U
Aroclor 1232	10,000 - 500,000	>500,000	33 U	37 U	33 U	36 U	37 U	38 U	33 U
Aroclor 1242	10,000 - 500,000	>500,000	33 U	37 U	33 U	36 U	170	620	33 U
Aroclor 1248	10,000 - 500,000	>500,000	2,000	3,100	1,600	2,700	37 U	38 U	1,300
Aroclor 1254	10,000 - 500,000	>500,000	33 U	37 U	33 U	36 U	37 U	38 U	33 U
Aroclor 1260	10,000 - 500,000	>500,000	33 U	37 U	33 U	36 U	37 U	38 U	33 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB55-1012 SXS 01968 Soil 11/15/95 ug/kg	SB56-0002 SXS 01867 Soil 11/14/95 ug/kg	SB56-0204 SXS 01973 Soil 11/15/95 ug/kg	SB56-0608 SXS 01975 Soil 11/15/95 ug/kg	SB56-1012M SXS 01974 Soil 11/15/95 ug/kg	SB57-0002 SXS 01881 Soil 11/14/95 ug/kg	SB57-0204 SXS 01969 Soil 11/15/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	33 U	39 U	33 U	33 U	35 U	37 U	33 U
Aroclor 1221	10,000 - 500,000	>500,000	67 U	78 U	67 U	67 U	71 U	75 U	67 U
Aroclor 1232	10,000 - 500,000	>500,000	33 U	39 U	33 U	33 U	35 U	37 U	33 U
Aroclor 1242	10,000 - 500,000	>500,000	33 U	39 U	33 U	33 U	35 U	37 U	33 U
Aroclor 1248	10,000 - 500,000	>500,000	3,600	2,000	2,000	490	1,300	1,500	6,000
Aroclor 1254	10,000 - 500,000	>500,000	33 U	39 U	33 U	33 U	35 U	37 U	33 U
Aroclor 1260	10,000 - 500,000	>500,000	33 U	39 U	33 U	33 U	35 U	37 U	33 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB57-0608 SXS 01971 Soil 11/15/95 ug/kg	SB57-1012 SXS 01970 Soil 11/15/95 ug/kg	SB58-0002 SXS 01884 Soil 11/14/95 ug/kg	SB58-0204 SXS 02017 Soil 11/16/95 ug/kg	SB58-0204D SXS 02018 Soil 11/16/95 ug/kg	SB58-0608 SXS 02020 Soil 11/16/95 ug/kg	SB58-1012M SXS 02030 Soil 11/16/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	33 U	33 U	37 U	33 U	33 U	33 U	33 U
Aroclor 1221	10,000 - 500,000	>500,000	67 U	67 U	76 U	67 U	67 U	67 U	67 U
Aroclor 1232	10,000 - 500,000	>500,000	33 U	33 U	37 U	33 U	33 U	33 U	33 U
Aroclor 1242	10,000 - 500,000	>500,000	33 U	33 U	37 U	33 U	33 U	33 U	33 U
Aroclor 1248	10,000 - 500,000	>500,000	2,600	26,000	37 U	2,800	1,400	13,000	400
Aroclor 1254	10,000 - 500,000	>500,000	33 U	33 U	37 U	33 U	33 U	33 U	33 U
Aroclor 1260	10,000 - 500,000	>500,000	33 U	33 U	37 U	33 U	33 U	33 U	33 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB59-0002 SXS 01874 Soil 11/14/95 ug/kg	SB59-0204 SXS 01978 Soil 11/15/95 ug/kg	SB59-0204D SXS 01981 Soil 11/15/95 ug/kg	SB59-0608M SXS 01983 Soil 11/15/95 ug/kg	SB59-1012 SXS 01982 Soil 11/15/95 ug/kg	SB60-0002 SXS 01875 Soil 11/14/95 ug/kg	SB60-0204 SXS 01965 Soil 11/15/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	35 U	33 U	33 U	33 U	33 U	38 U	33 U
Aroclor 1221	10,000 - 500,000	>500,000	71 U	67 U	67 U	67 U	67 U	77 U	67 U
Aroclor 1232	10,000 - 500,000	>500,000	35 U	33 U	33 U	33 U	33 U	38 U	33 U
Aroclor 1242	10,000 - 500,000	>500,000	35 U	33 U	33 U	33 U	33 U	38 U	33 U
Aroclor 1248	10,000 - 500,000	>500,000	1,700	300	55	200	84	2,600	860
Aroclor 1254	10,000 - 500,000	>500,000	35 U	33 U	33 U	33 U	33 U	38 U	33 U
Aroclor 1260	10,000 - 500,000	>500,000	35 U	33 U	33 U	33 U	33 U	38 U	33 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB60-0608 SXS 01967 Soil 11/15/95 ug/kg	SB60-1012 SXS 01964 Soil 11/15/95 ug/kg	SB61-0002 SXS 01866 Soil 11/14/95 ug/kg	SB61-0204 SXS 02021 Soil 11/16/95 ug/kg	SB61-0608 SXS 02019 Soil 11/16/95 ug/kg	SB61-1012 SXS 02016 Soil 11/16/95 ug/kg	SB62-0002 SXS 02013 Soil 11/16/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	35 U	33 U	37 U	33 U	33 U	33 U	36 U
Aroclor 1221	10,000 - 500,000	>500,000	71 U	67 U	75 U	67 U	67 U	67 U	74 U
Aroclor 1232	10,000 - 500,000	>500,000	35 U	33 U	37 U	33 U	33 U	33 U	36 U
Aroclor 1242	10,000 - 500,000	>500,000	35 U	33 U	37 U	33 U	33 U	33 U	11,000
Aroclor 1248	10,000 - 500,000	>500,000	3,000	6,300	2,200	3,800	860	180	36 U
Aroclor 1254	10,000 - 500,000	>500,000	35 U	33 U	37 U	33 U	33 U	33 U	36 U
Aroclor 1260	10,000 - 500,000	>500,000	35 U	33 U	37 U	33 U	33 U	33 U	36 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB62-0204 SXS 02025 Soil 11/16/95 ug/kg	SB62-0608 SXS 02015 Soil 11/16/95 ug/kg	SB62-1012 SXS 02026 Soil 11/16/95 ug/kg	SB63-0002 SXS 01877 Soil 11/14/95 ug/kg	SB63-0204 SXS 02022 Soil 11/16/95 ug/kg	SB63-0608 SXS 02023 Soil 11/16/95 ug/kg	SB63-1012 SXS 02024 Soil 11/16/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	33 U	33 U	34 U	39 U	36 U	33 U	33 U
Aroclor 1221	10,000 - 500,000	>500,000	67 U	67 U	68 U	78 U	72 U	67 U	67 U
Aroclor 1232	10,000 - 500,000	>500,000	33 U	33 U	34 U	39 U	36 U	33 U	33 U
Aroclor 1242	10,000 - 500,000	>500,000	33 U	33 U	6,900	39 U	51,000	33 U	33 U
Aroclor 1248	10,000 - 500,000	>500,000	110,000	12,000	34 U	940	36 U	1,700	180
Aroclor 1254	10,000 - 500,000	>500,000	33 U	33 U	34 U	39 U	36 U	33 U	33 U
Aroclor 1260	10,000 - 500,000	>500,000	33 U	33 U	34 U	39 U	36 U	33 U	33 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	SB64-0002 SXS 02033 Soil 11/16/95 ug/kg	SB64-0204 SXS 02034 Soil 11/16/95 ug/kg	SB64-0608 SXS 02032 Soil 11/16/95 ug/kg	SB64-1012 SXS 02031 Soil 11/16/95 ug/kg	SSA-01 SXS 02028 Soil 11/16/95 ug/kg	SSA-02 SXS 02027 Soil 11/16/95 ug/kg	SSA-03 SXS 02029 Soil 11/16/95 ug/kg
Aroclor 1016	10,000 - 500,000	>500,000	33 U	33 U	37 U	33 U	33 U	33 U	33 U
Aroclor 1221	10,000 - 500,000	>500,000	67 U	67 U	75 U	67 U	67 U	67 U	67 U
Aroclor 1232	10,000 - 500,000	>500,000	33 U	33 U	37 U	33 U	33 U	33 U	33 U
Aroclor 1242	10,000 - 500,000	>500,000	33 U	33 U	37 U	33 U	33 U	33 U	33 U
Aroclor 1248	10,000 - 500,000	>500,000	8,500	1,400	110	97	5,400	19,000	4,800
Aroclor 1254	10,000 - 500,000	>500,000	33 U	33 U	37 U	33 U	33 U	33 U	33 U
Aroclor 1260	10,000 - 500,000	>500,000	33 U	33 U	37 U	33 U	33 U	33 U	33 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	WP01-110995 SXS 01734 Bulk Wipe 11/09/95 ug/sample	WP02-111495 SXS 01902 Bulk Wipe 11/14/95 ug/sample	WP03-111695 SXS 01980 Bulk Wipe 11/16/95 ug/sample	WPB110995 SXS 01733 Wipe Blank 11/09/95 ug/sample	RB110895 SXS 01697 Water 11/08/95 ug/L	RB110995 SXS 01722 Water 11/09/95 ug/L	RB111095 SXS 01755 Water 11/10/95 ug/L
Aroclor 1016	10,000 - 500,000	>500,000	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U
Aroclor 1221	10,000 - 500,000	>500,000	0.2 U	0.2 U	0.2 U	0.2 U	2 U	2 U	2 U
Aroclor 1232	10,000 - 500,000	>500,000	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U
Aroclor 1242	10,000 - 500,000	>500,000	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U
Aroclor 1248	10,000 - 500,000	>500,000	0.2 U	4.1	1.7	0.2 U	1 U	1 U	1 U
Aroclor 1254	10,000 - 500,000	>500,000	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U
Aroclor 1260	10,000 - 500,000	>500,000	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U

TABLE A-1
POLYCHLORINATED BIPHENYLS (PCBs)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	Soil Level for Excavation and Disposal ug/kg	Soil Level for Excavation and Incineration ug/kg	RB111395 SXS 01822 Water 11/13/95 ug/L	RB111495 SXS 01886 Water 11/14/95 ug/L	RB111595 SXS 01953 Water 11/15/95 ug/L	RB111695 SXS 01979 Water 11/16/95 ug/L	FWB110895 SXS 01696 Water 11/08/95 ug/L	FWB111395 SXS 01821 Water 11/13/95 ug/L
Aroclor 1016	10,000 - 500,000	>500,000	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1221	10,000 - 500,000	>500,000	2 U	2 U	2 U	2 U	2 U	2 U
Aroclor 1232	10,000 - 500,000	>500,000	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1242	10,000 - 500,000	>500,000	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1248	10,000 - 500,000	>500,000	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1254	10,000 - 500,000	>500,000	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1260	10,000 - 500,000	>500,000	1 U	1 U	1 U	1 U	1 U	1 U

TABLE A-2
TCLP ARSENIC
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	Toxicity	SB02-0608	SB02-1012	SB03-0204	SB29-0002	SB29-0204	SB29-0608	SB30-0204
Lab ID Number	Characteristic	SXS 01695	SXS 01693	SXS 01691	SXS 01868	SXS 01781	SXS 01782	SXS 01786
Matrix	Leaching Procedure	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Regulatory Level	11/8/95	11/8/95	11/8/95	11/14/95	11/10/95	11/10/95	11/10/95
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
TCLP Arsenic	5.0	0.0079	0.0083	0.0094	0.025	0.019	0.0095	0.028

TABLE A-2
TCLP ARSENIC
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	Toxicity	SB30-0608	SB30-1012	SB31-0002	SB31-0002D	SB31-0204	SB31-1012	SB32-0002M
Lab ID Number	Characteristic	SXS 01785	SXS 01787	SXS 01869	SXS 01858	SXS 01795	SXS 01788	SXS 01852
Matrix	Leaching Procedure	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Regulatory Level	11/10/95	11/10/95	11/14/95	11/14/95	11/10/95	11/10/95	11/14/95
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
TCLP Arsenic	5.0	0.011	0.011	0.016	0.015	0.047	0.017	0.019

TABLE A-2
TCLP ARSENIC
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	Toxicity	SB32-0204M	SB32-0608	SB32-0608D	SB32-1012	SB33-0002	SB33-0608	SB33-1012
Lab ID Number	Characteristic	SXS 01794	SXS 01791	SXS 01792	SXS 01790	SXS 01857	SXS 01829	SXS 01835
Matrix	Leaching Procedure	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Regulatory Level	11/10/95	11/10/95	11/10/95	11/10/95	11/14/95	11/13/95	11/13/95
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
TCLP Arsenic	5.0	0.012	0.012	0.011	0.012	0.021	0.0091	0.0089

TABLE A-3
TCL VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB01-0002	SB01-0204	SB02-0204	SB03-1012	SB05-0002	SB05-0002D	SB05-0608	SB06-0002M
Lab ID Number	Recommended	SXS 01873	SXS 01789	SXS 01694	SXS 01690	SXS 01909	SXS 01910	SXS 01729	SXS 01908
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/14/95	11/10/95	11/8/95	11/8/95	11/13/95	11/13/95	11/8/95	11/13/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	--	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
Bromomethane	--	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
Vinyl chloride	200	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
Chloroethane	1,900	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
Methylene chloride	100	0.51 BJ	1400 U	0.81 BJ	0.67 BJ	0.75 BJ	0.6 BJ	1400 U	0.67 BJ
Acetone	200	11 U	1400 U	13	4.4 J	11 U	11 U	1400 U	12 U
Carbon disulfide	2,700	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
1,1-Dichloroethane	200	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
1,1-Dichloroethene	400	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
total-1,2-Dichloroethene	300	11 U	1400 U	1.3 J	10 U	11 U	11 U	280 J	12 U
Chloroform	300	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
1,2-Dichloroethane	100	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
2-Butanone	300	11 U	1400 U	4 J	3.2 J	11 U	11 U	1400 U	12 U
1,1,1-Trichloroethane	800	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
Carbon tetrachloride	600	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
Bromodichloromethane	--	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
1,2-Dichloropropane	--	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
cis-1,3-Dichloropropene	--	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
Trichloroethene	700	0.45 J	1800	17	10 U	0.72 J	0.36 J	1400 U	12 U
Benzene	60	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
Chlorodibromomethane	--	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
1,1,2-Trichloroethane	--	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
trans-1,3-Dichloropropene	--	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
Bromoform	--	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
4-Methyl-2-pentanone	1,000	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
2-Hexanone	--	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U

TABLE A-3
TCL VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB01-0002	SB01-0204	SB02-0204	SB03-1012	SB05-0002	SB05-0002D	SB05-0608	SB06-0002M
Lab ID Number	Recommended	SXS 01873	SXS 01789	SXS 01694	SXS 01690	SXS 01909	SXS 01910	SXS 01729	SXS 01908
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/14/95	11/10/95	11/8/95	11/8/95	11/13/95	11/13/95	11/8/95	11/13/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,1,2,2-Tetrachloroethane	600	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
Tetrachloroethene	1,400	11 U	6700	77	0.55 J	11 U	11 U	130 J	12 U
Toluene	1,500	0.39 J	1400 U	0.66 J	2.7 J	0.77 J	0.41 J	3600	0.51 J
Chlorobenzene	1,700	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
Ethylbenzene	5,500	11 U	1400 U	11 U	0.27 J	11 U	11 U	1400 U	12 U
Styrene	--	11 U	1400 U	11 U	10 U	11 U	11 U	1400 U	12 U
Total xylenes	1,200	11 U	1400 U	11 U	2.3 J	11 U	11 U	110 J	12 U

TABLE A-3
TCL VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB07-0608 SXS 01710 Soil 11/8/95 ug/kg	SB08-1012 SXS 01717 Soil 11/8/95 ug/kg	SB10-0204 SXS 01751 Soil 11/9/95 ug/kg	SB12-0204 SXS 01739 Soil 11/9/95 ug/kg	SB13-1012 SXS 01736 Soil 11/9/95 ug/kg	SB14-0608 SXS 01754 Soil 11/9/95 ug/kg	SB14-0608D SXS 01752 Soil 11/9/95 ug/kg
Chloromethane	--	11 U	10 U	11 U	11 U	10 U	11 U	11 U
Bromomethane	--	11 U	10 U	11 U	11 U	10 U	11 U	11 U
Vinyl chloride	200	11 U	10 U	11 U	11 U	10 U	11 U	11 U
Chloroethane	1,900	11 U	10 U	11 U	11 U	10 U	11 U	11 U
Methylene chloride	100	1.1 BJ	0.76 BJ	0.49 BJ	0.86 BJ	1.1 BJ	0.62 BJ	0.59 BJ
Acetone	200	13	10 J	9.6 J	7.4 J	11	14	11 J
Carbon disulfide	2,700	11 U	10 U	11 U	11 U	10 U	11 U	11 U
1,1-Dichloroethane	200	11 U	10 U	11 U	11 U	10 U	11 U	11 U
1,1-Dichloroethene	400	11 U	10 U	11 U	11 U	10 U	11 U	11 U
total-1,2-Dichloroethene	300	11 U	10 U	11 U	11 U	7.6 J	11 U	11 U
Chloroform	300	11 U	10 U	11 U	11 U	10 U	11 U	11 U
1,2-Dichloroethane	100	11 U	10 U	11 U	11 U	10 U	11 U	11 U
2-Butanone	300	5.5 J	4 J	3.2 J	4.8 J	5.2 J	4.7 J	5.4 J
1,1,1-Trichloroethane	800	11 U	10 U	11 U	11 U	10 U	11 U	11 U
Carbon tetrachloride	600	11 U	10 U	11 U	11 U	10 U	11 U	11 U
Bromodichloromethane	--	11 U	10 U	11 U	11 U	10 U	11 U	11 U
1,2-Dichloropropane	--	11 U	10 U	11 U	11 U	10 U	11 U	11 U
cis-1,3-Dichloropropene	--	11 U	10 U	11 U	11 U	10 U	11 U	11 U
Trichloroethene	700	0.44 J	10 U	0.69 J	11 J	5.7 J	11 U	11 U
Benzene	60	11 U	10 U	11 U	11 U	10 U	11 U	11 U
Chlorodibromomethane	--	11 U	10 U	11 U	11 U	10 U	11 U	11 U
1,1,2-Trichloroethane	--	11 U	10 U	11 U	11 U	10 U	11 U	11 U
trans-1,3-Dichloropropene	--	11 U	10 U	11 U	11 U	10 U	11 U	11 U
Bromoform	--	11 U	10 U	11 U	11 U	10 U	11 U	11 U
4-Methyl-2-pentanone	1,000	11 U	16	11 U	11 U	10 U	11 U	11 U
2-Hexanone	--	11 U	10 U	11 U	11 U	10 U	11 U	11 U

TABLE A-3
TCL VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB07-0608 SXS 01710 Soil 11/8/95 ug/kg	SB08-1012 SXS 01717 Soil 11/8/95 ug/kg	SB10-0204 SXS 01751 Soil 11/9/95 ug/kg	SB12-0204 SXS 01739 Soil 11/9/95 ug/kg	SB13-1012 SXS 01736 Soil 11/9/95 ug/kg	SB14-0608 SXS 01754 Soil 11/9/95 ug/kg	SB14-0608D SXS 01752 Soil 11/9/95 ug/kg
1,1,2,2-Tetrachloroethane	600	11 U	10 U	11 U	11 U	10 U	11 U	11 U
Tetrachloroethene	1,400	0.47 J	10 U	6.2 J	3.1 J	19	0.77 J	1.3 J
Toluene	1,500	0.58 J	10 U	11 U	11 U	10 U	11 U	11 U
Chlorobenzene	1,700	11 U	10 U	11 U	11 U	10 U	11 U	11 U
Ethylbenzene	5,500	11 U	10 U	11 U	11 U	10 U	11 U	11 U
Styrene	--	11 U	10 U	11 U	11 U	10 U	11 U	11 U
Total xylenes	1,200	11 U	10 U	11 U	11 U	10 U	11 U	11 U

TABLE A-3
TCL VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB15-0608M	SB18-0204	SB19-1012	SB21-0608	SB21-0608D	SB23-0204	SB24-0002
Lab ID Number	Recommended	SXS 01741	SXS 01753	SXS 01723	SXS 01775	SXS 01774	SXS 01776	SXS 01907
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/9/95	11/9/95	11/9/95	11/10/95	11/10/95	11/10/95	11/13/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	--	11 U	11 U	10 U	11 U	11 U	11 U	11 U
Bromomethane	--	11 U	11 U	10 U	11 U	11 U	11 U	11 U
Vinyl chloride	200	11 U	11 U	10 U	11 U	11 U	11 U	11 U
Chloroethane	1,900	11 U	11 U	10 U	11 U	11 U	11 U	11 U
Methylene chloride	100	0.53 BJ	0.64 BJ	0.67 BJ	11 U	0.46 BJ	11 U	0.43 BJ
Acetone	200	19	11	7.8 J	10 J	7.3 J	8.2 J	11 U
Carbon disulfide	2,700	11 U	11 U	10 U	11 U	11 U	11 U	11 U
1,1-Dichloroethane	200	0.73 J	11 U	10 U	11 U	11 U	11 U	11 U
1,1-Dichloroethene	400	11 U	11 U	10 U	11 U	11 U	11 U	11 U
total-1,2-Dichloroethene	300	1.9 J	11 U	10 U	11 U	11 U	4.1 J	11 U
Chloroform	300	11 U	11 U	10 U	11 U	11 U	11 U	11 U
1,2-Dichloroethane	100	11 U	11 U	10 U	11 U	11 U	11 U	11 U
2-Butanone	300	6.6 J	5 J	4.3 J	11 U	3.2 J	3.6 J	11 U
1,1,1-Trichloroethane	800	5.4 J	2.8 J	10 U	11 U	11 U	11 U	11 U
Carbon tetrachloride	600	11 U	11 U	10 U	11 U	11 U	11 U	11 U
Bromodichloromethane	--	11 U	11 U	10 U	11 U	11 U	11 U	11 U
1,2-Dichloropropane	--	11 U	11 U	10 U	11 U	11 U	11 U	11 U
cis-1,3-Dichloropropene	--	11 U	11 U	10 U	11 U	11 U	11 U	11 U
Trichloroethene	700	11	50	10 U	0.62 J	1.2 J	20	0.96 J
Benzene	60	11 U	11 U	10 U	11 U	11 U	11 U	11 U
Chlorodibromomethane	--	11 U	11 U	10 U	11 U	11 U	11 U	11 U
1,1,2-Trichloroethane	--	2.8 J	11 U	10 U	11 U	11 U	11 U	11 U
trans-1,3-Dichloropropene	--	11 U	11 U	10 U	11 U	11 U	11 U	11 U
Bromoform	--	11 U	11 U	10 U	11 U	11 U	11 U	11 U
4-Methyl-2-pentanone	1,000	11 U	11 U	10 U	11 U	11 U	11 U	11 U
2-Hexanone	--	11 U	11 U	10 U	11 U	11 U	11 U	11 U

TABLE A-3
TCL VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB15-0608M SXS 01741 Soil 11/9/95 ug/kg	SB18-0204 SXS 01753 Soil 11/9/95 ug/kg	SB19-1012 SXS 01723 Soil 11/9/95 ug/kg	SB21-0608 SXS 01775 Soil 11/10/95 ug/kg	SB21-0608D SXS 01774 Soil 11/10/95 ug/kg	SB23-0204 SXS 01776 Soil 11/10/95 ug/kg	SB24-0002 SXS 01907 Soil 11/13/95 ug/kg
1,1,2,2-Tetrachloroethane	600	11 U	11 U	10 U	11 U	11 U	11 U	11 U
Tetrachloroethene	1,400	140	5.5 J	10 U	11 U	0.46 J	0.6 J	11 U
Toluene	1,500	2.1 J	11 U	10 U	1.8 J	0.79 BJ	1.2 J	11 U
Chlorobenzene	1,700	11 U	11 U	10 U	11 U	11 U	11 U	11 U
Ethylbenzene	5,500	11 U	11 U	10 U	11 U	11 U	11 U	11 U
Styrene	--	11 U	11 U	10 U	11 U	11 U	11 U	11 U
Total xylenes	1,200	1.8 J	11 U	10 U	1.9 J	11 U	11 U	11 U

TABLE A-3
TCL VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB24-1012M SXS 01772 Soil 11/10/95 ug/kg	SB26-0002C SXS 01773 Soil 11/10/95 ug/kg	SB27-0608 SXS 01779 Soil 11/10/95 ug/kg	SB28-0002 SXS 01904 Soil 11/13/95 ug/kg	SB29-1012 SXS 01793 Soil 11/10/95 ug/kg	SB30-0002 SXS 01900 Soil 11/14/95 ug/kg	SB31-0608 SXS 01796 Soil 11/10/95 ug/kg
Chloromethane	--	10 U	11 U	11 U	11 U	10 U	11 U	11 U
Bromomethane	--	10 U	11 U	11 U	11 U	10 U	11 U	11 U
Vinyl chloride	200	10 U	11 U	11 U	11 U	10 U	11 U	11 U
Chloroethane	1,900	10 U	11 U	11 U	11 U	10 U	11 U	11 U
Methylene chloride	100	10 U	0.54 J	11 U	0.45 BJ	0.64 J	0.66 BJ	0.59 J
Acetone	200	6 J	7.2 J	50	11 U	7.3 J	11 U	11 U
Carbon disulfide	2,700	10 U	11 U	11 U	11 U	10 U	11 U	11 U
1,1-Dichloroethane	200	10 U	11 U	11 U	11 U	10 U	11 U	1.8 J
1,1-Dichloroethene	400	10 U	11 U	11 U	11 U	10 U	11 U	11 U
total-1,2-Dichloroethene	300	10 U	11 U	11 U	11 U	0.94 J	11 U	4.8 J
Chloroform	300	10 U	11 U	11 U	11 U	10 U	11 U	11 U
1,2-Dichloroethane	100	10 U	11 U	11 U	11 U	10 U	11 U	11 U
2-Butanone	300	2.8 J	4.3 J	7.4 J	11 U	10 U	11 U	3.3 J
1,1,1-Trichloroethane	800	10 U	11 U	11 U	11 U	10 U	11 U	3.2 J
Carbon tetrachloride	600	10 U	11 U	11 U	11 U	10 U	11 U	11 U
Bromodichloromethane	--	10 U	11 U	11 U	11 U	10 U	11 U	11 U
1,2-Dichloropropane	--	10 U	11 U	11 U	11 U	10 U	11 U	11 U
cis-1,3-Dichloropropene	--	10 U	11 U	11 U	11 U	10 U	11 U	11 U
Trichloroethene	700	10 U	11 U	11 U	11 U	10 U	0.91 J	40
Benzene	60	10 U	11 U	11 U	11 U	10 U	11 U	11 U
Chlorodibromomethane	--	10 U	11 U	11 U	11 U	10 U	11 U	11 U
1,1,2-Trichloroethane	--	10 U	11 U	11 U	11 U	10 U	11 U	11 U
trans-1,3-Dichloropropene	--	10 U	11 U	11 U	11 U	10 U	11 U	11 U
Bromoform	--	10 U	11 U	11 U	11 U	10 U	11 U	11 U
4-Methyl-2-pentanone	1,000	10 U	11 U	11 U	11 U	10 U	11 U	11 U
2-Hexanone	--	10 U	11 U	11 U	11 U	10 U	11 U	11 U

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TCL VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB24-1012M	SB26-0002C	SB27-0608	SB28-0002	SB29-1012	SB30-0002	SB31-0608
Lab ID Number	Recommended	SXS 01772	SXS 01773	SXS 01779	SXS 01904	SXS 01793	SXS 01900	SXS 01796
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/10/95	11/10/95	11/10/95	11/13/95	11/10/95	11/14/95	11/10/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,1,2,2-Tetrachloroethane	600	10 U	11 U	11 U	11 U	10 U	11 U	11 U
Tetrachloroethene	1,400	10 U	11 U	11 U	11 U	2.1 J	0.68 J	40
Toluene	1,500	1 J	0.92 J	0.89 J	11 U	0.94 J	0.52 J	3.6 J
Chlorobenzene	1,700	10 U	11 U	11 U	11 U	10 U	11 U	11 U
Ethylbenzene	5,500	10 U	11 U	11 U	11 U	10 U	11 U	11 U
Styrene	--	10 U	11 U	11 U	11 U	10 U	11 U	11 U
Total xylenes	1,200	1 J	11 U	11 U	11 U	10 U	11 U	3.3 J

TABLE A-3
TCL VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB33-0204	SB34-1012	SB36-0002	SB36-0608	SB38-0204	SB39-0002	SB39-1012
Lab ID Number	Recommended	SXS 01841	SXS 01840	SXS 01898	SXS 01830	SXS 01838	SXS 02010	SXS 01901
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/13/95	11/13/95	11/14/95	11/13/95	11/13/95	11/16/95	11/13/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	--	1400 U	10 U	11 U	10	12 U	11 U	10 U
Bromomethane	--	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
Vinyl chloride	200	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
Chloroethane	1,900	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
Methylene chloride	100	66 BJ	0.34 BJ	0.51 BJ	0.65 BJ	0.68 BJ	3.6 BJ	0.4 BJ
Acetone	200	1400 U	5.1 J	11 U	10 U	12 U	11 U	10 U
Carbon disulfide	2,700	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
1,1-Dichloroethane	200	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
1,1-Dichloroethene	400	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
total-1,2-Dichloroethene	300	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
Chloroform	300	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
1,2-Dichloroethane	100	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
2-Butanone	300	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
1,1,1-Trichloroethane	800	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
Carbon tetrachloride	600	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
Bromodichloromethane	--	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
1,2-Dichloropropane	--	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
cis-1,3-Dichloropropene	--	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
Trichloroethene	700	220 J	0.35 J	11 U	10 U	0.75 J	11 U	0.33 J
Benzene	60	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
Chlorodibromomethane	--	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
1,1,2-Trichloroethane	--	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
trans-1,3-Dichloropropene	--	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
Bromoform	--	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
4-Methyl-2-pentanone	1,000	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
2-Hexanone	--	1400 U	10 U	11 U	10 U	12 U	11 U	10 U

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TCL VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB33-0204	SB34-1012	SB36-0002	SB36-0608	SB38-0204	SB39-0002	SB39-1012
Lab ID Number	Recommended	SXS 01841	SXS 01840	SXS 01898	SXS 01830	SXS 01838	SXS 02010	SXS 01901
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/13/95	11/13/95	11/14/95	11/13/95	11/13/95	11/16/95	11/13/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,1,2,2-Tetrachloroethane	600	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
Tetrachloroethene	1,400	910 J	10 U	11 U	10 U	0.49 J	11 U	10 U
Toluene	1,500	1400 U	0.37 J	11 U	10 U	0.4 J	11 U	10 U
Chlorobenzene	1,700	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
Ethylbenzene	5,500	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
Styrene	--	1400 U	10 U	11 U	10 U	12 U	11 U	10 U
Total xylenes	1,200	1400 U	10 U	11 U	10 U	12 U	11 U	10 U

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TCL VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB41-0608	SB43-0204	SB44-1012	SB45-0002	SB46-0608	SB48-0204	SB49-0204
Lab ID Number	Recommended	SXS 01906	SXS 01846	SXS 01899	SXS 02012	SXS 01930	SXS 01935	SXS 01950
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/13/95	11/13/95	11/13/95	11/16/95	11/15/95	11/15/95	11/15/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	--	11 U	11 U	10 U	11 U	10	10 U	12 U
Bromomethane	--	11 U	11 U	10 U	11 U	10 U	10 U	12 U
Vinyl chloride	200	11 U	11 U	10 U	11 U	10 U	10 U	12 U
Chloroethane	1,900	11 U	11 U	10 U	11 U	10 U	10 U	12 U
Methylene chloride	100	0.42 BJ	0.79 BJ	0.47 BJ	3.2 BJ	10 U	10 U	12 U
Acetone	200	11 U	11 U	10 U	4.6 J	10 U	10 U	12 U
Carbon disulfide	2,700	11 U	11 U	10 U	11 U	10 U	10 U	12 U
1,1-Dichloroethane	200	11 U	11 U	10 U	11 U	10 U	10 U	12 U
1,1-Dichloroethene	400	11 U	11 U	10 U	11 U	10 U	10 U	12 U
total-1,2-Dichloroethene	300	11 U	11 U	10 U	11 U	10 U	10 U	12 U
Chloroform	300	11 U	11 U	10 U	11 U	10 U	10 U	12 U
1,2-Dichloroethane	100	11 U	11 U	10 U	11 U	10 U	10 U	12 U
2-Butanone	300	11 U	11 U	10 U	11 U	10 U	10 U	12 U
1,1,1-Trichloroethane	800	11 U	11 U	10 U	11 U	10 U	10 U	12 U
Carbon tetrachloride	600	11 U	11 U	10 U	11 U	10 U	10 U	12 U
Bromodichloromethane	--	11 U	11 U	10 U	11 U	10 U	10 U	12 U
1,2-Dichloropropane	--	11 U	11 U	10 U	11 U	10 U	10 U	12 U
cis-1,3-Dichloropropene	--	11 U	11 U	10 U	11 U	10 U	10 U	12 U
Trichloroethene	700	9.2 J	7.1 J	10 U	11 U	3.2 J	0.72 J	12 U
Benzene	60	11 U	11 U	10 U	11 U	10 U	10 U	12 U
Chlorodibromomethane	--	11 U	11 U	10 U	11 U	10 U	10 U	12 U
1,1,2-Trichloroethane	--	11 U	11 U	10 U	11 U	10 U	10 U	12 U
trans-1,3-Dichloropropene	--	11 U	11 U	10 U	11 U	10 U	10 U	12 U
Bromoform	--	11 U	11 U	10 U	11 U	10 U	10 U	12 U
4-Methyl-2-pentanone	1,000	11 U	11 U	10 U	11 U	10 U	10 U	12 U
2-Hexanone	--	11 U	11 U	10 U	11 U	10 U	10 U	12 U

TABLE A-3
TCL VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB41-0608	SB43-0204	SB44-1012	SB45-0002	SB46-0608	SB48-0204	SB49-0204
Lab ID Number	Recommended	SXS 01906	SXS 01846	SXS 01899	SXS 02012	SXS 01930	SXS 01935	SXS 01950
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/13/95	11/13/95	11/13/95	11/16/95	11/15/95	11/15/95	11/15/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,1,2,2-Tetrachloroethane	600	11 U	11 U	10 U	11 U	10 U	10 U	12 U
Tetrachloroethene	1,400	1.9 J	0.78 J	10 U	11 U	1.7 J	10 U	12 U
Toluene	1,500	0.44 J	0.56 J	10 U	0.46 J	10 U	10 U	12 U
Chlorobenzene	1,700	11 U	11 U	10 U	11 U	10 U	10 U	12 U
Ethylbenzene	5,500	11 U	11 U	10 U	11 U	10 U	10 U	12 U
Styrene	--	11 U	11 U	10 U	11 U	10 U	10 U	12 U
Total xylenes	1,200	11 U	11 U	10 U	11 U	10 U	1.5 J	12 U

TABLE A-3
TCL VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB51-1012 SXS 01949 Soil 11/15/95 ug/kg	SB52-0002 SXS 02011 Soil 11/16/95 ug/kg	SB53-1012 SXS 01943 Soil 11/15/95 ug/kg	SB54-0608 SXS 01976 Soil 11/15/95 ug/kg	SB55-0002 SXS 02014 Soil 11/16/95 ug/kg	SB55-0204 SXS 01985 Soil 11/15/95 ug/kg	SB55-0204D SXS 01984 Soil 11/15/95 ug/kg
Chloromethane	--	10 U	11 U	10 U	11 U	11 U	11 U	11 U
Bromomethane	--	10 U	11 U	10 U	11 U	11 U	11 U	11 U
Vinyl chloride	200	10 U	11 U	10 U	11 U	11 U	11 U	11 U
Chloroethane	1,900	10 U	11 U	10 U	11 U	11 U	11 U	11 U
Methylene chloride	100	10 U	2.4 BJ	10 U	11 U	4.9 BJ	11 U	11 U
Acetone	200	10 U	11 U	6.4 J	5 J	7.4 J	11 U	11 U
Carbon disulfide	2,700	10 U	11 U	10 U	11 U	11 U	11 U	11 U
1,1-Dichloroethane	200	10 U	11 U	10 U	11 U	11 U	11 U	11 U
1,1-Dichloroethene	400	10 U	11 U	10 U	11 U	11 U	11 U	11 U
total-1,2-Dichloroethene	300	10 U	11 U	10 U	11 U	11 U	11 U	11 U
Chloroform	300	10 U	11 U	10 U	11 U	11 U	11 U	11 U
1,2-Dichloroethane	100	10 U	11 U	10 U	11 U	11 U	11 U	11 U
2-Butanone	300	10 U	11 U	10 U	11 U	11 U	11 U	11 U
1,1,1-Trichloroethane	800	1.3 J	11 U	1 J	11 U	11 U	11 U	2.6 J
Carbon tetrachloride	600	10 U	11 U	10 U	11 U	11 U	11 U	11 U
Bromodichloromethane	--	10 U	11 U	10 U	11 U	11 U	11 U	11 U
1,2-Dichloropropane	--	10 U	11 U	10 U	11 U	11 U	11 U	11 U
cis-1,3-Dichloropropene	--	10 U	11 U	10 U	11 U	11 U	11 U	11 U
Trichloroethene	700	1.6 J	11 U	10 U	11 U	0.51 J	11 U	11 U
Benzene	60	10 U	11 U	10 U	11 U	11 U	11 U	11 U
Chlorodibromomethane	--	10 U	11 U	10 U	11 U	11 U	11 U	11 U
1,1,2-Trichloroethane	--	10 U	11 U	10 U	11 U	11 U	11 U	11 U
trans-1,3-Dichloropropene	--	10 U	11 U	10 U	11 U	11 U	11 U	11 U
Bromoform	--	10 U	11 U	10 U	11 U	11 U	11 U	11 U
4-Methyl-2-pentanone	1,000	10 U	11 U	10 U	11 U	11 U	11 U	11 U
2-Hexanone	--	10 U	11 U	10 U	11 U	11 U	11 U	11 U

TABLE A-3
TCL VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB51-1012	SB52-0002	SB53-1012	SB54-0608	SB55-0002	SB55-0204	SB55-0204D
Lab ID Number	Recommended	SXS 01949	SXS 02011	SXS 01943	SXS 01976	SXS 02014	SXS 01985	SXS 01984
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/15/95	11/16/95	11/15/95	11/15/95	11/16/95	11/15/95	11/15/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,1,2,2-Tetrachloroethane	600	10 U	11 U	10 U	11 U	11 U	11 U	11 U
Tetrachloroethene	1,400	1.8 J	0.33 J	10 U	11 U	11 U	11 U	11 U
Toluene	1,500	10 U	0.4 J	10 U	11 U	0.88 J	4.6 J	1.7 J
Chlorobenzene	1,700	10 U	11 U	10 U	11 U	11 U	11 U	11 U
Ethylbenzene	5,500	10 U	11 U	10 U	11 U	11 U	11 U	11 U
Styrene	--	10 U	11 U	10 U	11 U	11 U	11 U	11 U
Total xylenes	1,200	10 U	11 U	10 U	11 U	11 U	11 U	11 U

TABLE A-3
TCL VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB56-1012M SXS 01974 Soil 11/15/95 ug/kg	SB60-0608 SXS 01967 Soil 11/15/95 ug/kg	SB62-0002 SXS 02013 Soil 11/16/95 ug/kg	SB62-1012 SXS 02026 Soil 11/16/95 ug/kg	SB63-0204 SXS 02022 Soil 11/16/95 ug/kg	SB64-0608 SXS 02032 Soil 11/16/95 ug/kg	RB110895 SXS 01697 Water 11/8/95 ug/L
Chloromethane	--	11 U	11 U	11 U	10 U	11 U	11 U	10 U
Bromomethane	--	11 U	11 U	11 U	10 U	11 U	11 U	10 U
Vinyl chloride	200	11 U	11 U	11 U	10 U	2.3 J	11 U	10 U
Chloroethane	1,900	11 U	11 U	11 U	10 U	11 U	11 U	10 U
Methylene chloride	100	11 U	11 U	2.1 BJ	1.8 BJ	4.2 BJ	'3 BJ	10 U
Acetone	200	10 J	5.1 J	4 J	4.4 J	5.3 J	5.5 J	6.8 J
Carbon disulfide	2,700	11 U	11 U	11 U	10 U	11 U	11 U	10 U
1,1-Dichloroethane	200	11 U	11 U	11 U	10 U	11 U	11 U	10 U
1,1-Dichloroethene	400	11 U	11 U	11 U	10 U	11 U	11 U	10 U
total-1,2-Dichloroethene	300	11 U	11 U	11 U	10 U	2.3 J	11 U	10 U
Chloroform	300	11 U	11 U	11 U	10 U	11 U	11 U	10 U
1,2-Dichloroethane	100	11 U	11 U	11 U	10 U	11 U	11 U	10 U
2-Butanone	300	11 U	11 U	11 U	10 U	11 U	11 U	10 U
1,1,1-Trichloroethane	800	11 U	11 U	11 U	10 U	11 U	11 U	10 U
Carbon tetrachloride	600	11 U	11 U	11 U	10 U	11 U	11 U	10 U
Bromodichloromethane	--	11 U	11 U	11 U	10 U	11 U	11 U	10 U
1,2-Dichloropropane	--	11 U	11 U	11 U	10 U	11 U	11 U	10 U
cis-1,3-Dichloropropene	--	11 U	11 U	11 U	10 U	11 U	11 U	10 U
Trichloroethene	700	1.4 J	3.4 J	11 U	0.53 J	6.4 J	0.43 J	10 U
Benzene	60	11 U	11 U	11 U	10 U	11 U	11 U	10 U
Chlorodibromomethane	--	11 U	11 U	11 U	10 U	11 U	11 U	10 U
1,1,2-Trichloroethane	--	11 U	11 U	11 U	10 U	11 U	11 U	10 U
trans-1,3-Dichloropropene	--	11 U	11 U	11 U	10 U	11 U	11 U	10 U
Bromoform	--	11 U	11 U	11 U	10 U	11 U	11 U	10 U
4-Methyl-2-pentanone	1,000	11 U	11 U	11 U	10 U	11 U	11 U	10 U
2-Hexanone	--	11 U	11 U	11 U	10 U	11 U	11 U	10 U

TABLE A-3
TCL VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB56-1012M	SB60-0608	SB62-0002	SB62-1012	SB63-0204	SB64-0608	RB110895
Lab ID Number	Recommended	SXS 01974	SXS 01967	SXS 02013	SXS 02026	SXS 02022	SXS 02032	SXS 01697
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Water
Date Collected	Objective Levels	11/15/95	11/15/95	11/16/95	11/16/95	11/16/95	11/16/95	11/8/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
1,1,2,2-Tetrachloroethane	600	11 U	11 U	11 U	10 U	11 U	11 U	10 U
Tetrachloroethene	1,400	11 U	0.42 J	11 U	10 U	11 U	11 U	10 U
Toluene	1,500	0.27 J	11 U	11 U	0.42 J	3.1 J	4.5 J	10 U
Chlorobenzene	1,700	11 U	11 U	11 U	10 U	11 U	11 U	10 U
Ethylbenzene	5,500	11 U	11 U	11 U	10 U	11 U	11 U	10 U
Styrene	--	11 U	11 U	11 U	10 U	11 U	11 U	10 U
Total xylenes	1,200	11 U	11 U	11 U	10 U	11 U	11 U	10 U

TABLE A-3
TCL VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	RB110995	RB111095	RB111395	RB111495	RB111595	RB111695	FWB110895	FWB111395
Lab ID Number	Recommended	SXS 01722	SXS 01755	SXS 01822	SXS 01886	SXS 01953	SXS 01979	SXS 01696	SXS 01821
Matrix	Soil Cleanup	Water	Water	Water	Water	Water	Water	Water	Water
Date Collected	Objective Levels	11/9/95	11/10/95	11/13/95	11/14/95	11/15/95	11/16/95	11/8/95	11/13/95
Units	ug/kg	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Chloromethane	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	1,900	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	100	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	200	7.6 J	11	10 U	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	2,700	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	400	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
total-1,2-Dichloroethene	300	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	300	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	100	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	300	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	800	10 U	10 U	10 U	10 U	10 U	10 U	1.2 J	10 U
Carbon tetrachloride	600	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	700	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	60	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorodibromomethane	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	1,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

TABLE A-3
TCL VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	RB110995 SXS 01722 Water 11/9/95 ug/L	RB111095 SXS 01755 Water 11/10/95 ug/L	RB111395 SXS 01822 Water 11/13/95 ug/L	RB111495 SXS 01886 Water 11/14/95 ug/L	RB111595 SXS 01953 Water 11/15/95 ug/L	RB111695 SXS 01979 Water 11/16/95 ug/L	FWB110895 SXS 01696 Water 11/8/95 ug/L	FWB111395 SXS 01821 Water 11/13/95 ug/L
1,1,2,2-Tetrachloroethane	600	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	1,400	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	1,500	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	1,700	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5,500	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total xylenes	1,200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB01-0002	SB01-0204	SB02-0204	SB03-1012	SB05-0002	SB05-0002D	SB05-0608
Lab ID Number	Recommended	SXS 01873	SXS 01789	SXS 01694	SXS 01690	SXS 01909	SXS 01910	SXS 01729
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/14/95	11/10/95	11/8/95	11/8/95	11/13/95	11/13/95	11/8/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	30	720 U	370 U	370 U	340 U	760 U	760 U	270 J
Bis(2-chloroethyl)ether	50,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
2-Chlorophenol	800	720 U	370 U	370 U	340 U	760 U	760 U	380 U
1,3-Dichlorobenzene	50,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
1,4-Dichlorobenzene	50,000	720 U	370 U	370 U	340 U	760 U	760 U	110 J
1,2-Dichlorobenzene	50,000	720 U	370 U	370 U	340 U	760 U	760 U	74 J
2-Methylphenol	900	720 U	370 U	370 U	340 U	760 U	760 U	380 U
Bis(2-chloroisopropyl)ether	50,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
4-Methylphenol	900	720 U	370 U	370 U	340 U	760 U	760 U	910 J
N-nitroso-di-n-propylamine	50,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
Hexachloroethane	50,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
Nitrobenzene	200	720 U	370 U	370 U	340 U	760 U	760 U	380 U
Isophorone	4,400	720 U	370 U	370 U	340 U	760 U	760 U	380 U
2-Nitrophenol	330	720 U	370 U	370 U	340 U	760 U	760 U	380 U
2,4-Dimethylphenol	50,000	720 U	370 U	370 U	340 U	760 U	760 U	1600 J
Bis(2-chloroethoxy)methane	50,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
2,4-Dichlorophenol	400	720 U	370 U	370 U	340 U	760 U	760 U	380 U
1,2,4-Trichlorobenzene	50,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
Naphthalene	13,000	720 U	37 J	9.5 J	340 U	23 J	32 J	240 J
4-Chloroaniline	220	720 U	370 U	370 U	340 U	760 U	760 U	380 U
Hexachlorobutadiene	50,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
4-Chloro-3-methylphenol	240	720 U	370 U	370 U	340 U	760 U	760 U	380 U
2-Methylnaphthalene	36,400	720 U	80 J	18 J	340 U	39 J	47 J	200 J
Hexachlorocyclopentadiene	50,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
2,4,6-Trichlorophenol	50,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
2,4,5-Trichlorophenol	100	1800 U	930 U	930 U	860 U	1880 U	1900 U	940 U

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB01-0002	SB01-0204	SB02-0204	SB03-1012	SB05-0002	SB05-0002D	SB05-0608
Lab ID Number	Recommended	SXS 01873	SXS 01789	SXS 01694	SXS 01690	SXS 01909	SXS 01910	SXS 01729
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/14/95	11/10/95	11/8/95	11/8/95	11/13/95	11/13/95	11/8/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
2-Chloronaphthalene	50,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
2-Nitroaniline	430	1800 U	930 U	930 U	860 U	1800 U	1900 U	940 U
Dimethylphthalate	2,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
Acenaphthylene	41,000	720 U	370 U	370 U	340 U	760 U	20 J	380 U
2,6-Dinitrotoluene	1,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
3-Nitroaniline	500	1800 U	930 U	930 U	860 U	1880 U	1900 U	940 U
Acenaphthene	50,000	720 U	24 J	12 J	340 U	760 U	79 J	380 U
2,4-Dinitrophenol	200	1800 U	930 U	930 U	860 U	1880 U	1900 U	940 U
4-Nitrophenol	100	1800 U	930 U	930 U	860 U	1880 U	1900 U	940 U
Dibenzofuran	6,200	720 U	15 J	370 U	340 U	760 U	44 J	380 U
2,4-Dinitrotoluene	50,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
Diethylphthalate	7,100	720 U	370 U	9.4 J	340 U	760 U	760 U	380 U
4-Chlorophenyl Phenyl Ether	50,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
Fluorene	50,000	720 U	17 J	370 U	340 U	760 U	79 J	380 U
4-Nitroaniline	50,000	1800 U	930 U	930 U	860 U	1880 U	1900 U	940 U
4,6-Dinitro-2-Methylphenol	50,000	1800 U	930 U	930 U	860 U	1880 U	1900 U	940 U
N-nitrosodiphenylamine	50,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
4-Bromophenyl Phenyl Ether	50,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
Hexachlorobenzene	410	720 U	370 U	370 U	340 U	760 U	760 U	380 U
Pentachlorophenol	1,000	1800 U	930 U	930 U	860 U	1880 U	1900 U	940 U
Phenanthrene	50,000	110 J	250 J	110 J	340 U	300 J	1000	380 U
Anthracene	50,000	20 J	41 J	17 J	340 U	51 J	130 J	380 U
Carbazole	50,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
Di-n-butylphthalate	8,100	100 BJ	100 JB	72 J	31 J	260 BJ	140 BJ	380 U
Fluoranthene	50,000	240 J	310 J	170 J	340 U	510 J	1500	81 J
Pyrene	50,000	270 J	660	150 J	340 U	690 J	2000	220 J

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB01-0002 SXS 01873 Soil 11/14/95 ug/kg	SB01-0204 SXS 01789 Soil 11/10/95 ug/kg	SB02-0204 SXS 01694 Soil 11/8/95 ug/kg	SB03-1012 SXS 01690 Soil 11/8/95 ug/kg	SB05-0002 SXS 01909 Soil 11/13/95 ug/kg	SB05-0002D SXS 01910 Soil 11/13/95 ug/kg	SB05-0608 SXS 01729 Soil 11/8/95 ug/kg
Butylbenzylphthalate	50,000	52 J	59 J	15 J	340 U	390 J	620 J	380 U
3,3'-Dichlorobenzidine	50,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
Benzo[a]anthracene	224	120 J	230 J	93 J	340 U	300 J	650 J	380 U
Chrysene	400	130 J	270 J	110 J	340 U	330 J	770	380 U
Bis(2-ethylhexyl)phthalate	50,000	130 BJ	350 JB	37 J	340 U	410 BJ	410 BJ	420 J
Di-n-octylphthalate	50,000	720 U	370 U	370 U	340 U	760 U	760 U	380 U
Benzo[b]fluoranthene	1,100	170 J	240 J	130 J	340 U	410 J	1000	380 U
Benzo[k]fluoranthene	1,100	81 J	220 J	52 J	340 U	230 J	280 J	380 U
Benzo[a]pyrene	61	120 J	190 J	82 J	340 U	280 J	650 J	380 U
Indeno(1,2,3-cd)pyrene	3,200	120 J	140 J	52 J	340 U	250 J	590 J	380 U
Dibenz[a,h]anthracene	14	29 J	370 U	370 U	340 U	760 U	150 J	380 U
Benzo[g,h,i]perylene	50,000	110 J	160 J	63 J	340 U	240 J	530 J	380 U

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB06-0002M	SB07-0608	SB08-1012	SB10-0204	SB12-0204	SB13-1012	SB14-0608
Lab ID Number	Recommended	SXS 01908	SXS 01710	SXS 01717	SXS 01751	SXS 01739	SXS 01736	SXS 01754
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/13/95	11/8/95	11/8/95	11/9/95	11/9/95	11/9/95	11/9/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	30	800 U	350 U	340 U	360 U	370 U	340 U	370 U
Bis(2-chloroethyl)ether	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
2-Chlorophenol	800	800 U	350 U	340 U	360 U	370 U	340 U	370 U
1,3-Dichlorobenzene	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
1,4-Dichlorobenzene	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
1,2-Dichlorobenzene	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
2-Methylphenol	900	800 U	350 U	340 U	360 U	370 U	340 U	370 U
Bis(2-chloroisopropyl)ether	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
4-Methylphenol	900	800 U	350 U	340 U	360 U	370 U	10 J	20 J
N-nitroso-di-n-propylamine	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
Hexachloroethane	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
Nitrobenzene	200	800 U	350 U	340 U	360 U	370 U	340 U	370 U
Isophorone	4,400	800 U	350 U	340 U	360 U	370 U	340 U	370 U
2-Nitrophenol	330	800 U	350 U	340 U	360 U	370 U	340 U	370 U
2,4-Dimethylphenol	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
Bis(2-chloroethoxy)methane	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
2,4-Dichlorophenol	400	800 U	350 U	340 U	360 U	370 U	340 U	370 U
1,2,4-Trichlorobenzene	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
Naphthalene	13,000	32 J	350 U	340 U	360 U	370 U	340 U	370 U
4-Chloroaniline	220	800 U	350 U	340 U	360 U	370 U	340 U	370 U
Hexachlorobutadiene	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
4-Chloro-3-methylphenol	240	800 U	350 U	340 U	360 U	370 U	340 U	370 U
2-Methylnaphthalene	36,400	55 J	350 U	340 U	360 U	370 U	340 U	13 J
Hexachlorocyclopentadiene	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
2,4,6-Trichlorophenol	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
2,4,5-Trichlorophenol	100	2000 U	870 U	850 U	920 U	920 U	860 U	920 U

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB06-0002M	SB07-0608	SB08-1012	SB10-0204	SB12-0204	SB13-1012	SB14-0608
Lab ID Number	Recommended	SXS 01908	SXS 01710	SXS 01717	SXS 01751	SXS 01739	SXS 01736	SXS 01754
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/13/95	11/8/95	11/8/95	11/9/95	11/9/95	11/9/95	11/9/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
2-Chloronaphthalene	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
2-Nitroaniline	430	2000 U	870 U	850 U	920 U	920 U	860 U	920 U
Dimethylphthalate	2,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
Acenaphthylene	41,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
2,6-Dinitrotoluene	1,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
3-Nitroaniline	500	2000 U	870 U	850 U	920 U	920 U	860 U	920 U
Acenaphthene	50,000	80 J	350 U	340 U	360 U	370 U	340 U	370 U
2,4-Dinitrophenol	200	2000 U	870 U	850 U	920 U	920 U	860 U	920 U
4-Nitrophenol	100	2000 U	870 U	850 U	920 U	920 U	860 U	920 U
Dibenzofuran	6,200	800 U	350 U	340 U	360 U	370 U	340 U	370 U
2,4-Dinitrotoluene	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
Diethylphthalate	7,100	800 U	350 U	21 J	8.1 JB	370 U	340 U	370 U
4-Chlorophenyl Phenyl Ether	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
Fluorene	50,000	75 J	350 U	340 U	360 U	370 U	340 U	370 U
4-Nitroaniline	50,000	2000 U	870 U	850 U	920 U	920 U	860 U	920 U
4,6-Dinitro-2-Methylphenol	50,000	2000 U	870 U	850 U	920 U	920 U	860 U	920 U
N-nitrosodiphenylamine	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
4-Bromophenyl Phenyl Ether	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
Hexachlorobenzene	410	800 U	350 U	340 U	360 U	370 U	340 U	370 U
Pentachlorophenol	1,000	2000 U	870 U	850 U	920 U	920 U	860 U	920 U
Phenanthrene	50,000	770 J	13 J	340 U	11 J	370 U	44 J	370 U
Anthracene	50,000	170 J	350 U	340 U	360 U	370 U	8.6 J	370 U
Carbazole	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
Di-n-butylphthalate	8,100	190 BJ	72 JB	77 JB	69 JB	69 JB	91 JB	76 JB
Fluoranthene	50,000	890	24 J	340 U	16 J	7.9 J	43 J	370 U
Pyrene	50,000	1300	44 J	20 J	22 J	12 J	55 J	370 U

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB06-0002M	SB07-0608	SB08-1012	SB10-0204	SB12-0204	SB13-1012	SB14-0608
Lab ID Number	Recommended	SXS 01908	SXS 01710	SXS 01717	SXS 01751	SXS 01739	SXS 01736	SXS 01754
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/13/95	11/8/95	11/8/95	11/9/95	11/9/95	11/9/95	11/9/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Butylbenzylphthalate	50,000	380 J	350 U	340 U	360 U	370 U	340 U	370 U
3,3'-Dichlorobenzidine	50,000	800 U	350 U	340 U	360 U	370 U	340 U	370 U
Benzo[a]anthracene	224	550 J	19 J	340 U	13 J	18 J	31 J	370 U
Chrysene	400	560 J	15 J	340 U	9.3 J	13 J	28 J	370 U
Bis(2-ethylhexyl)phthalate	50,000	630 BJ	350 U	29 J	17 JB	32 J	190 J	99 JB
Di-n-octylphthalate	50,000	800 U	350 U	340 U	23 J	370 U	340 U	370 U
Benzo[b]fluoranthene	1,100	680 J	19 J	340 U	11 J	42 J	38 J	370 U
Benzo[k]fluoranthene	1,100	230 J	9 J	340 U	5.3 J	36 J	25 J	370 U
Benzo[a]pyrene	61	490 J	13 J	340 U	360 U	36 J	35 J	370 U
Indeno(1,2,3-cd)pyrene	3,200	430 J	350 U	340 U	360 U	56 J	28 J	370 U
Dibenz[a,h]anthracene	14	120 J	350 U	340 U	360 U	370 U	340 U	370 U
Benzo[g,h,i]perylene	50,000	410 J	350 U	340 U	360 U	64 J	34 J	370 U

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB14-0608D	SB15-0608M	SB18-0204	SB19-1012	SB21-0608	SB21-0608D	SB23-0204
Lab ID Number	Recommended	SXS 01752	SXS 01741	SXS 01753	SXS 01723	SXS 01775	SXS 01774	SXS 01776
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/9/95	11/9/95	11/9/95	11/9/95	11/10/95	11/10/95	11/10/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	30	380 U	700 U	360 U	350 U	360 U	360 U	350 U
Bis(2-chloroethyl)ether	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
2-Chlorophenol	800	380 U	700 U	360 U	350 U	360 U	360 U	350 U
1,3-Dichlorobenzene	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
1,4-Dichlorobenzene	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
1,2-Dichlorobenzene	50,000	380 U	700 U	21 J	350 U	360 U	360 U	350 U
2-Methylphenol	900	380 U	700 U	360 U	350 U	360 U	360 U	350 U
Bis(2-chloroisopropyl)ether	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
4-Methylphenol	900	19 J	700 U	360 U	350 U	360 U	360 U	350 U
N-nitroso-di-n-propylamine	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
Hexachloroethane	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
Nitrobenzene	200	380 U	700 U	360 U	350 U	360 U	360 U	350 U
Isophorone	4,400	380 U	700 U	360 U	350 U	360 U	360 U	350 U
2-Nitrophenol	330	380 U	700 U	360 U	350 U	360 U	360 U	350 U
2,4-Dimethylphenol	50,000	28 J	700 U	360 U	350 U	360 U	360 U	350 U
Bis(2-chloroethoxy)methane	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
2,4-Dichlorophenol	400	380 U	700 U	360 U	350 U	360 U	360 U	350 U
1,2,4-Trichlorobenzene	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
Naphthalene	13,000	380 U	700 U	29 J	350 U	360 U	360 U	19 J
4-Chloroaniline	220	380 U	700 U	360 U	350 U	360 U	360 U	350 U
Hexachlorobutadiene	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
4-Chloro-3-methylphenol	240	380 U	700 U	360 U	350 U	360 U	360 U	350 U
2-Methylnaphthalene	36,400	11 J	700 U	90 J	350 U	360 U	360 U	26 J
Hexachlorocyclopentadiene	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
2,4,6-Trichlorophenol	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
2,4,5-Trichlorophenol	100	950 U	1800 U	910 U	870 U	910 U	920 U	890 U

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB14-0608D SXS 01752 Soil 11/9/95 ug/kg	SB15-0608M SXS 01741 Soil 11/9/95 ug/kg	SB18-0204 SXS 01753 Soil 11/9/95 ug/kg	SB19-1012 SXS 01723 Soil 11/9/95 ug/kg	SB21-0608 SXS 01775 Soil 11/10/95 ug/kg	SB21-0608D SXS 01774 Soil 11/10/95 ug/kg	SB23-0204 SXS 01776 Soil 11/10/95 ug/kg
2-Chloronaphthalene	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
2-Nitroaniline	430	950 U	1800 U	910 U	870 U	910 U	920 U	890 U
Dimethylphthalate	2,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
Acenaphthylene	41,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
2,6-Dinitrotoluene	1,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
3-Nitroaniline	500	950 U	1800 U	910 U	870 U	910 U	920 U	890 U
Acenaphthene	50,000	380 U	700 U	360 U	350 U	360 U	360 U	19 J
2,4-Dinitrophenol	200	950 U	1800 U	910 U	870 U	910 U	920 U	890 U
4-Nitrophenol	100	950 U	1800 U	910 U	870 U	910 U	920 U	890 U
Dibenzofuran	6,200	380 U	700 U	360 U	350 U	360 U	360 U	350 U
2,4-Dinitrotoluene	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
Diethylphthalate	7,100	7 JB	700 U	21 JB	350 U	360 U	360 U	350 U
4-Chlorophenyl Phenyl Ether	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
Fluorene	50,000	380 U	700 U	7.7 J	350 U	360 U	360 U	18 J
4-Nitroaniline	50,000	950 U	1800 U	910 U	870 U	910 U	920 U	890 U
4,6-Dinitro-2-Methylphenol	50,000	950 U	1800 U	910 U	870 U	910 U	920 U	890 U
N-nitrosodiphenylamine	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
4-Bromophenyl Phenyl Ether	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
Hexachlorobenzene	410	380 U	700 U	360 U	350 U	360 U	360 U	350 U
Pentachlorophenol	1,000	950 U	1800 U	910 U	870 U	910 U	920 U	890 U
Phenanthrene	50,000	380 U	700 U	190 J	15 J	360 U	360 U	180 J
Anthracene	50,000	380 U	700 U	360 U	350 U	360 U	360 U	32 J
Carbazole	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
Di-n-butylphthalate	8,100	110 JB	700 U	190 JB	73 JB	110 JB	71 JB	270 JB
Fluoranthene	50,000	380 U	700 U	130 J	13 J	15 J	360 U	190 J
Pyrene	50,000	380 U	700 U	180 J	18 J	18 J	360 U	250 J

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB14-0608D SXS 01752 Soil 11/9/95 ug/kg	SB15-0608M SXS 01741 Soil 11/9/95 ug/kg	SB18-0204 SXS 01753 Soil 11/9/95 ug/kg	SB19-1012 SXS 01723 Soil 11/9/95 ug/kg	SB21-0608 SXS 01775 Soil 11/10/95 ug/kg	SB21-0608D SXS 01774 Soil 11/10/95 ug/kg	SB23-0204 SXS 01776 Soil 11/10/95 ug/kg
Butylbenzylphthalate	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
3,3'-Dichlorobenzidine	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
Benzo[a]anthracene	224	380 U	700 U	220 J	17 J	360 U	360 U	89 J
Chrysene	400	380 U	700 U	53 J	12 J	360 U	360 U	140 J
Bis(2-ethylhexyl)phthalate	50,000	85 JB	700 U	520	34 J	130 JB	34 JB	230 JB
Di-n-octylphthalate	50,000	380 U	700 U	360 U	350 U	360 U	360 U	350 U
Benzo[b]fluoranthene	1,100	380 U	700 U	95 J	22 J	360 U	360 U	110 J
Benzo[k]fluoranthene	1,100	380 U	700 U	120 J	14 J	360 U	360 U	110 J
Benzo[a]pyrene	61	380 U	700 U	56 J	15 J	360 U	360 U	85 J
Indeno(1,2,3-cd)pyrene	3,200	380 U	700 U	360 U	17 J	360 U	360 U	350 U
Dibenz[a,h]anthracene	14	380 U	700 U	360 U	350 U	360 U	360 U	350 U
Benzo[g,h,i]perylene	50,000	380 U	700 U	360 U	22 J	360 U	360 U	350 U

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB24-0002	SB24-1012M	SB26-0002C	SB27-0608	SB28-0002	SB29-1012	SB30-0002
Lab ID Number	Recommended	SXS 01907	SXS 01772	SXS 01773	SXS 01779	SXS 01904	SXS 01793	SXS 01900
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/13/95	11/10/95	11/10/95	11/10/95	11/13/95	11/10/95	11/14/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	30	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
Bis(2-chloroethyl)ether	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
2-Chlorophenol	800	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
1,3-Dichlorobenzene	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
1,4-Dichlorobenzene	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
1,2-Dichlorobenzene	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
2-Methylphenol	900	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
Bis(2-chloroisopropyl)ether	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
4-Methylphenol	900	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
N-nitroso-di-n-propylamine	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
Hexachloroethane	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
Nitrobenzene	200	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
Isophorone	4,400	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
2-Nitrophenol	330	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
2,4-Dimethylphenol	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
Bis(2-chloroethoxy)methane	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
2,4-Dichlorophenol	400	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
1,2,4-Trichlorobenzene	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
Naphthalene	13,000	29 J	340 U	5.3 J	1100	3700 U	340 U	1800 U
4-Chloroaniline	220	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
Hexachlorobutadiene	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
4-Chloro-3-methylphenol	240	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
2-Methylnaphthalene	36,400	82 J	340 U	350 U	440	160 J	340 U	57 J
Hexachlorocyclopentadiene	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
2,4,6-Trichlorophenol	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
2,4,5-Trichlorophenol	100	900 U	850 U	880 U	910 U	9400 U	860 U	4500 U

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB24-0002	SB24-1012M	SB26-0002C	SB27-0608	SB28-0002	SB29-1012	SB30-0002
Lab ID Number	Recommended	SXS 01907	SXS 01772	SXS 01773	SXS 01779	SXS 01904	SXS 01793	SXS 01900
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/13/95	11/10/95	11/10/95	11/10/95	11/13/95	11/10/95	11/14/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
2-Chloronaphthalene	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
2-Nitroaniline	430	900 U	850 U	880 U	910 U	9400 U	860 U	4500 U
Dimethylphthalate	2,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
Acenaphthylene	41,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
2,6-Dinitrotoluene	1,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
3-Nitroaniline	500	900 U	850 U	880 U	910 U	9400 U	860 U	4500 U
Acenaphthene	50,000	14 J	340 U	14 J	1400	3700 U	340 U	88 J
2,4-Dinitrophenol	200	900 U	850 U	880 U	910 U	9400 U	860 U	4500 U
4-Nitrophenol	100	900 U	850 U	880 U	910 U	9400 U	860 U	4500 U
Dibenzofuran	6,200	14 J	340 U	350 U	570	3700 U	340 U	1800 U
2,4-Dinitrotoluene	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
Diethylphthalate	7,100	360 U	340 U	350 U	37 JB	3700 U	290 JB	1800 U
4-Chlorophenyl Phenyl Ether	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
Fluorene	50,000	12 J	340 U	12 J	960	3700 U	340 U	54 J
4-Nitroaniline	50,000	900 U	850 U	880 U	910 U	9400 U	860 U	4500 U
4,6-Dinitro-2-Methylphenol	50,000	900 U	850 U	880 U	910 U	9400 U	860 U	4500 U
N-nitrosodiphenylamine	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
4-Bromophenyl Phenyl Ether	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
Hexachlorobenzene	410	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
Pentachlorophenol	1,000	900 U	850 U	880 U	910 U	9400 U	860 U	4500 U
Phenanthrene	50,000	220 J	340 U	190 J	4900	850 J	12 J	540 J
Anthracene	50,000	54 J	340 U	29 J	1900	180 J	340 U	150 J
Carbazole	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
Di-n-butylphthalate	8,100	94 BJ	70 JB	75 JB	140 JB	160 BJ	79 JB	100 BJ
Fluoranthene	50,000	600	340 U	260 J	4500	1200 J	17 J	840 J
Pyrene	50,000	740	340 U	290 J	5800	2300 J	18 J	1200 J

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB24-0002	SB24-1012M	SB26-0002C	SB27-0608	SB28-0002	SB29-1012	SB30-0002
Lab ID Number	Recommended	SXS 01907	SXS 01772	SXS 01773	SXS 01779	SXS 01904	SXS 01793	SXS 01900
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/13/95	11/10/95	11/10/95	11/10/95	11/13/95	11/10/95	11/14/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Butylbenzylphthalate	50,000	92 J	340 U	28 J	72 J	540 J	340 U	150 J
3,3'-Dichlorobenzidine	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
Benzo[a]anthracene	224	310 J	340 U	110 J	2300	770 J	340 U	600 J
Chrysene	400	300 J	340 U	150 J	2500	790 J	340 U	510 J
Bis(2-ethylhexyl)phthalate	50,000	53 BJ	53 JB	56 JB	250 JB	710 BJ	31 JB	480 BJ
Di-n-octylphthalate	50,000	360 U	340 U	350 U	360 U	3700 U	340 U	1800 U
Benzo[b]fluoranthene	1,100	430	340 U	120 J	2000	1100 J	340 U	730 J
Benzo[k]fluoranthene	1,100	160 J	340 U	140 J	1700	880 J	340 U	220 J
Benzo[a]pyrene	61	280 J	340 U	110 J	1900	1100 J	340 U	470 J
Indeno(1,2,3-cd)pyrene	3,200	260 J	340 U	84 J	990	4600	340 U	400 J
Dibenz[a,h]anthracene	14	360 U	340 U	350 U	360 U	3600 J	340 U	1800 U
Benzo[g,h,i]perylene	50,000	250 J	340 U	110 J	1100	5300	340 U	360 J

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB31-0608 SXS 01796 Soil 11/10/95 ug/kg	SB33-0204 SXS 01841 Soil 11/13/95 ug/kg	SB34-1012 SXS 01840 Soil 11/13/95 ug/kg	SB36-0002 SXS 01898 Soil 11/14/95 ug/kg	SB36-0608 SXS 01830 Soil 11/13/95 ug/kg	SB38-0204 SXS 01838 Soil 11/13/95 ug/kg	SB39-0002 SXS 02010 Soil 11/16/95 ug/kg
Phenol	30	350 U	370 U	340 U	350 U	350 U	390 U	350 U
Bis(2-chloroethyl)ether	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
2-Chlorophenol	800	350 U	370 U	340 U	350 U	350 U	390 U	350 U
1,3-Dichlorobenzene	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
1,4-Dichlorobenzene	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
1,2-Dichlorobenzene	50,000	350 U	370 U	340 U	350 U	350 U	390 U	34 J
2-Methylphenol	900	350 U	370 U	340 U	350 U	350 U	390 U	350 U
Bis(2-chloroisopropyl)ether	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
4-Methylphenol	900	16 J	370 U	340 U	350 U	350 U	390 U	350 U
N-nitroso-di-n-propylamine	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
Hexachloroethane	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
Nitrobenzene	200	350 U	370 U	340 U	350 U	350 U	390 U	350 U
Isophorone	4,400	350 U	370 U	340 U	350 U	350 U	390 U	350 U
2-Nitrophenol	330	350 U	370 U	340 U	350 U	350 U	390 U	350 U
2,4-Dimethylphenol	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
Bis(2-chloroethoxy)methane	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
2,4-Dichlorophenol	400	350 U	370 U	340 U	350 U	350 U	390 U	350 U
1,2,4-Trichlorobenzene	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
Naphthalene	13,000	16 J	370 U	340 U	350 U	350 U	390 U	27 J
4-Chloroaniline	220	350 U	370 U	340 U	350 U	350 U	390 U	350 U
Hexachlorobutadiene	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
4-Chloro-3-methylphenol	240	350 U	370 U	340 U	350 U	350 U	390 U	350 U
2-Methylnaphthalene	36,400	52 J	21 J	340 U	350 U	350 U	390 U	17 J
Hexachlorocyclopentadiene	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
2,4,6-Trichlorophenol	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
2,4,5-Trichlorophenol	100	890 U	920 U	860 U	890 U	870 U	970 U	870 U

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB31-0608	SB33-0204	SB34-1012	SB36-0002	SB36-0608	SB38-0204	SB39-0002
Lab ID Number	Recommended	SXS 01796	SXS 01841	SXS 01840	SXS 01898	SXS 01830	SXS 01838	SXS 02010
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/10/95	11/13/95	11/13/95	11/14/95	11/13/95	11/13/95	11/16/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
2-Chloronaphthalene	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
2-Nitroaniline	430	890 U	920 U	860 U	890 U	870 U	970 U	870 U
Dimethylphthalate	2,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
Acenaphthylene	41,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
2,6-Dinitrotoluene	1,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
3-Nitroaniline	500	890 U	920 U	860 U	890 U	870 U	970 U	870 U
Acenaphthene	50,000	350 U	370 U	340 U	350 U	350 U	13 J	10 J
2,4-Dinitrophenol	200	890 U	920 U	860 U	890 U	870 U	970 U	870 U
4-Nitrophenol	100	890 U	920 U	860 U	890 U	870 U	970 U	870 U
Dibenzofuran	6,200	350 U	370 U	340 U	350 U	350 U	390 U	350 U
2,4-Dinitrotoluene	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
Diethylphthalate	7,100	350 U	370 U	340 U	350 U	350 U	390 U	37 J
4-Chlorophenyl Phenyl Ether	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
Fluorene	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
4-Nitroaniline	50,000	890 U	920 U	860 U	890 U	870 U	970 U	870 U
4,6-Dinitro-2-Methylphenol	50,000	890 U	920 U	860 U	890 U	870 U	970 U	870 U
N-nitrosodiphenylamine	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
4-Bromophenyl Phenyl Ether	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
Hexachlorobenzene	410	350 U	370 U	340 U	350 U	350 U	390 U	350 U
Pentachlorophenol	1,000	890 U	920 U	860 U	890 U	870 U	970 U	870 U
Phenanthrene	50,000	78 J	33 J	340 U	30 J	35 J	110 J	110 J
Anthracene	50,000	350 U	370 U	340 U	350 U	350 U	20 J	17 J
Carbazole	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
Di-n-butylphthalate	8,100	78 JB	57 BJ	60 BJ	82 BJ	54 BJ	64 BJ	53 BJ
Fluoranthene	50,000	100 J	37 J	13 J	63 J	52 J	190 J	190 J
Pyrene	50,000	240 J	41 J	27 J	78 J	57 J	200 J	230 J

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB31-0608 SXS 01796 Soil 11/10/95 ug/kg	SB33-0204 SXS 01841 Soil 11/13/95 ug/kg	SB34-1012 SXS 01840 Soil 11/13/95 ug/kg	SB36-0002 SXS 01898 Soil 11/14/95 ug/kg	SB36-0608 SXS 01830 Soil 11/13/95 ug/kg	SB38-0204 SXS 01838 Soil 11/13/95 ug/kg	SB39-0002 SXS 02010 Soil 11/16/95 ug/kg
Butylbenzylphthalate	50,000	130 J	370 U	340 U	350 U	350 U	390 U	34 J
3,3'-Dichlorobenzidine	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
Benzo[a]anthracene	224	75 J	28 J	14 J	39 J	33 J	110 J	86 J
Chrysene	400	110 J	34 J	13 J	34 J	33 J	110 J	96 J
Bis(2-ethylhexyl)phthalate	50,000	150 JB	39 J	30 J	35 BJ	48 J	41 J	78 J
Di-n-octylphthalate	50,000	350 U	370 U	340 U	350 U	350 U	390 U	350 U
Benzo[b]fluoranthene	1,100	110 J	44 J	24 J	64 J	56 J	140 J	110 J
Benzo[k]fluoranthene	1,100	110 J	17 J	13 J	31 J	23 J	59 J	44 J
Benzo[a]pyrene	61	77 J	28 J	15 J	49 J	37 J	110 J	78 J
Indeno(1,2,3-cd)pyrene	3,200	350 U	370 U	340 U	350 U	350 U	68 J	130 J
Dibenz[a,h]anthracene	14	350 U	370 U	340 U	350 U	350 U	390 U	350 U
Benzo[g,h,i]perylene	50,000	350 U	370 U	340 U	350 U	350 U	63 J	140 J

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB39-1012	SB41-0608	SB43-0204	SB44-1012	SB45-0002	SB46-0608	SB48-0204
Lab ID Number	Recommended	SXS 01901	SXS 01906	SXS 01846	SXS 01899	SXS 02012	SXS 01930	SXS 01935
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Collected	Objective Levels	11/13/95	11/13/95	11/13/95	11/13/95	11/16/95	11/15/95	11/15/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	30	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
Bis(2-chloroethyl)ether	50,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
2-Chlorophenol	800	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
1,3-Dichlorobenzene	50,000	340 U	10 J	3600 U	350 U	1050 U	350 U	350 U
1,4-Dichlorobenzene	50,000	340 U	37 J	3600 U	350 U	1050 U	350 U	350 U
1,2-Dichlorobenzene	50,000	340 U	240 J	3600 U	350 U	1050 U	350 U	350 U
2-Methylphenol	900	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
Bis(2-chloroisopropyl)ether	50,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
4-Methylphenol	900	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
N-nitroso-di-n-propylamine	50,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
Hexachloroethane	50,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
Nitrobenzene	200	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
Isophorone	4,400	340 U	17 J	3600 U	350 U	1050 U	350 U	350 U
2-Nitrophenol	330	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
2,4-Dimethylphenol	50,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
Bis(2-chloroethoxy)methane	50,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
2,4-Dichlorophenol	400	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
1,2,4-Trichlorobenzene	50,000	340 U	110 J	3600 U	350 U	1050 U	350 U	350 U
Naphthalene	13,000	340 U	15 J	3600 U	350 U	1050 U	57 JB	26 JB
4-Chloroaniline	220	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
Hexachlorobutadiene	50,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
4-Chloro-3-methylphenol	240	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
2-Methylnaphthalene	36,400	340 U	28 J	3600 U	350 U	1050 U	350 U	350 U
Hexachlorocyclopentadiene	50,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
2,4,6-Trichlorophenol	50,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
2,4,5-Trichlorophenol	100	860 U	920 U	9100 U	870 U	2670 U	870 U	870 U

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB39-1012 SXS 01901 Soil 11/13/95 ug/kg	SB41-0608 SXS 01906 Soil 11/13/95 ug/kg	SB43-0204 SXS 01846 Soil 11/13/95 ug/kg	SB44-1012 SXS 01899 Soil 11/13/95 ug/kg	SB45-0002 SXS 02012 Soil 11/16/95 ug/kg	SB46-0608 SXS 01930 Soil 11/15/95 ug/kg	SB48-0204 SXS 01935 Soil 11/15/95 ug/kg
2-Chloronaphthalene	50,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
2-Nitroaniline	430	860 U	920 U	9100 U	870 U	2670 U	870 U	870 U
Dimethylphthalate	2,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
Acenaphthylene	41,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
2,6-Dinitrotoluene	1,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
3-Nitroaniline	500	860 U	920 U	9100 U	870 U	2670 U	870 U	870 U
Acenaphthene	50,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
2,4-Dinitrophenol	200	860 U	920 U	9100 U	870 U	2670 U	870 U	870 U
4-Nitrophenol	100	860 U	920 U	9100 U	870 U	2670 U	870 U	870 U
Dibenzofuran	6,200	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
2,4-Dinitrotoluene	50,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
Diethylphthalate	7,100	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
4-Chlorophenyl Phenyl Ether	50,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
Fluorene	50,000	340 U	15 J	3600 U	350 U	1050 U	350 U	350 U
4-Nitroaniline	50,000	860 U	920 U	9100 U	870 U	2670 U	870 U	870 U
4,6-Dinitro-2-Methylphenol	50,000	860 U	920 U	9100 U	870 U	2670 U	870 U	870 U
N-nitrosodiphenylamine	50,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
4-Bromophenyl Phenyl Ether	50,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
Hexachlorobenzene	410	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
Pentachlorophenol	1,000	860 U	920 U	9100 U	870 U	2670 U	870 U	870 U
Phenanthrene	50,000	70 J	120 J	180 J	9 J	100 J	830 J	160 J
Anthracene	50,000	13 J	33 J	3600 U	350 U	1050 U	130 J	350 U
Carbazole	50,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
Di-n-butylphthalate	8,100	85 BJ	110 BJ	3600 U	79 BJ	1050 U	82 JB	46 JB
Fluoranthene	50,000	87 J	360 U	320 J	15 J	210 J	1400 J	230 J
Pyrene	50,000	80 J	130 J	340 J	20 J	280 J	1700 J	330 J

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB39-1012 SXS 01901 Soil 11/13/95 ug/kg	SB41-0608 SXS 01906 Soil 11/13/95 ug/kg	SB43-0204 SXS 01846 Soil 11/13/95 ug/kg	SB44-1012 SXS 01899 Soil 11/13/95 ug/kg	SB45-0002 SXS 02012 Soil 11/16/95 ug/kg	SB46-0608 SXS 01930 Soil 11/15/95 ug/kg	SB48-0204 SXS 01935 Soil 11/15/95 ug/kg
Butylbenzylphthalate	50,000	340 U	9600	3600 U	190 J	1050 U	350 U	350 U
3,3'-Dichlorobenzidine	50,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
Benzo[a]anthracene	224	36 J	67 J	180 J	350 U	130 J	670 J	120 J
Chrysene	400	33 J	72 J	180 J	350 U	110 J	630 J	130 J
Bis(2-ethylhexyl)phthalate	50,000	25 BJ	8500 BJ	140 J	64 BJ	69 J	240 J	260 J
Di-n-octylphthalate	50,000	340 U	360 U	3600 U	350 U	1050 U	350 U	350 U
Benzo[b]fluoranthene	1,100	36 J	110 J	260 J	350 U	150 J	900 J	170 J
Benzo[k]fluoranthene	1,100	17 J	45 J	3600 U	350 U	66 J	400 J	75 J
Benzo[a]pyrene	61	28 J	53 J	150 J	350 U	120 J	710 J	120 J
Indeno(1,2,3-cd)pyrene	3,200	340 U	360 U	3600 U	350 U	190 J	1200 J	270 J
Dibenz[a,h]anthracene	14	340 U	360 U	3600 U	350 U	1050 U	320 J	92 J
Benzo[g,h,i]perylene	50,000	340 U	360 U	3600 U	350 U	220 J	1300 J	280 J

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB49-0204 SXS 01950 Soil 11/15/95 ug/kg	SB51-1012 SXS 01949 Soil 11/15/95 ug/kg	SB52-0002 SXS 02011 Soil 11/16/95 ug/kg	SB53-1012 SXS 01943 Soil 11/15/95 ug/kg	SB54-0608 SXS 01976 Soil 11/15/95 ug/kg	SB55-0002 SXS 02014 Soil 11/16/95 ug/kg	SB55-0204 SXS 01985 Soil 11/15/95 ug/kg
Phenol	30	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
Bis(2-chloroethyl)ether	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
2-Chlorophenol	800	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
1,3-Dichlorobenzene	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
1,4-Dichlorobenzene	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
1,2-Dichlorobenzene	50,000	390 U	340 U	55 J	340 U	370 U	1080 U	370 U
2-Methylphenol	900	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
Bis(2-chloroisopropyl)ether	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
4-Methylphenol	900	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
N-nitroso-di-n-propylamine	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
Hexachloroethane	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
Nitrobenzene	200	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
Isophorone	4,400	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
2-Nitrophenol	330	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
2,4-Dimethylphenol	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
Bis(2-chloroethoxy)methane	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
2,4-Dichlorophenol	400	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
1,2,4-Trichlorobenzene	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
Naphthalene	13,000	220 JB	340 U	1050 U	340 U	370 U	1080 U	370 U
4-Chloroaniline	220	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
Hexachlorobutadiene	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
4-Chloro-3-methylphenol	240	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
2-Methylnaphthalene	36,400	210 J	340 U	28 J	340 U	370 U	1080 U	370 U
Hexachlorocyclopentadiene	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
2,4,6-Trichlorophenol	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
2,4,5-Trichlorophenol	100	980 U	860 U	2670 U	860 U	920 U	2730 U	940 U

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB49-0204 SXS 01950 Soil 11/15/95 ug/kg	SB51-1012 SXS 01949 Soil 11/15/95 ug/kg	SB52-0002 SXS 02011 Soil 11/16/95 ug/kg	SB53-1012 SXS 01943 Soil 11/15/95 ug/kg	SB54-0608 SXS 01976 Soil 11/15/95 ug/kg	SB55-0002 SXS 02014 Soil 11/16/95 ug/kg	SB55-0204 SXS 01985 Soil 11/15/95 ug/kg
2-Chloronaphthalene	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
2-Nitroaniline	430	980 U	860 U	2670 U	860 U	920 U	2730 U	940 U
Dimethylphthalate	2,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
Acenaphthylene	41,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
2,6-Dinitrotoluene	1,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
3-Nitroaniline	500	980 U	860 U	2670 U	860 U	920 U	2730 U	940 U
Acenaphthene	50,000	1300 J	340 U	48 J	340 U	61 J	33 J	370 U
2,4-Dinitrophenol	200	980 U	860 U	2670 U	860 U	920 U	2730 U	940 U
4-Nitrophenol	100	980 U	860 U	2670 U	860 U	920 U	2730 U	940 U
Dibenzofuran	6,200	780 J	340 U	1050 U	340 U	370 U	1080 U	370 U
2,4-Dinitrotoluene	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
Diethylphthalate	7,100	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
4-Chlorophenyl Phenyl Ether	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
Fluorene	50,000	1500 J	340 U	44 J	340 U	38 J	31 J	370 U
4-Nitroaniline	50,000	980 U	860 U	2670 U	860 U	920 U	2730 U	940 U
4,6-Dinitro-2-Methylphenol	50,000	980 U	860 U	2670 U	860 U	920 U	2730 U	940 U
N-nitrosodiphenylamine	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
4-Bromophenyl Phenyl Ether	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
Hexachlorobenzene	410	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
Pentachlorophenol	1,000	980 U	770 J	2670 U	860 U	510 J	2730 U	940 U
Phenanthrene	50,000	11000	230 J	660 J	340 U	520 J	450 J	190 J
Anthracene	50,000	2800	43 J	120 J	340 U	530 J	86 J	26 J
Carbazole	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
Di-n-butylphthalate	8,100	110 JB	83 JB	43 BJ	70 JB	370 U	65 BJ	28 JB
Fluoranthene	50,000	10000	440 J	1300	340 U	760 J	960 J	360 J
Pyrene	50,000	9600	500 J	1600	340 U	890 J	1400	490 J

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB49-0204 SXS 01950 Soil 11/15/95 ug/kg	SB51-1012 SXS 01949 Soil 11/15/95 ug/kg	SB52-0002 SXS 02011 Soil 11/16/95 ug/kg	SB53-1012 SXS 01943 Soil 11/15/95 ug/kg	SB54-0608 SXS 01976 Soil 11/15/95 ug/kg	SB55-0002 SXS 02014 Soil 11/16/95 ug/kg	SB55-0204 SXS 01985 Soil 11/15/95 ug/kg
Butylbenzylphthalate	50,000	390 U	2200	86 J	340 U	1400 J	370 J	370 U
3,3'-Dichlorobenzidine	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
Benzo[a]anthracene	224	3200	200 J	730 J	340 U	310 J	610 J	180 J
Chrysene	400	2700	190 J	760 J	340 U	300 J	570 J	200 J
Bis(2-ethylhexyl)phthalate	50,000	390 U	1600	66 J	32 J	1200 J	73 J	49 J
Di-n-octylphthalate	50,000	390 U	340 U	1050 U	340 U	370 U	1080 U	370 U
Benzo[b]fluoranthene	1,100	2900	260 J	960 J	340 U	370 J	680 J	250 J
Benzo[k]fluoranthene	1,100	990 J	110 J	390 J	340 U	120 J	200 J	100 J
Benzo[a]pyrene	61	2100	200 J	720 J	340 U	290 J	580 J	200 J
Indeno(1,2,3-cd)pyrene	3,200	1900 J	300 J	980 J	340 U	500 J	790 J	280 J
Dibenz[a,h]anthracene	14	580 J	100 J	260 J	340 U	370 U	1080 U	370 U
Benzo[g,h,i]perylene	50,000	1800 J	320 J	950 J	340 U	530 J	810 J	320 J

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB55-0204D SXS 01984 Soil 11/15/95 ug/kg	SB56-1012M SXS 01974 Soil 11/15/95 ug/kg	SB60-0608 SXS 01967 Soil 11/15/95 ug/kg	SB62-0002 SXS 02013 Soil 11/16/95 ug/kg	SB62-1012 SXS 02026 Soil 11/16/95 ug/kg	SB63-0204 SXS 02022 Soil 11/16/95 ug/kg	SB64-0608 SXS 02032 Soil 11/16/95 ug/kg	RB110895 SXS 01697 Water 11/8/95 ug/L
Phenol	30	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
Bis(2-chloroethyl)ether	50,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
2-Chlorophenol	800	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
1,3-Dichlorobenzene	50,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
1,4-Dichlorobenzene	50,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
1,2-Dichlorobenzene	50,000	380 U	350 U	350 U	1080 U	340 U	88 J	370 U	10 U
2-Methylphenol	900	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
Bis(2-chloroisopropyl)ether	50,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
4-Methylphenol	900	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
N-nitroso-di-n-propylamine	50,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
Hexachloroethane	50,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
Nitrobenzene	200	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
Isophorone	4,400	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
2-Nitrophenol	330	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
2,4-Dimethylphenol	50,000	380 U	350 U	350 U	1080 U	340 U	230 J	370 U	10 U
Bis(2-chloroethoxy)methane	50,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
2,4-Dichlorophenol	400	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
1,2,4-Trichlorobenzene	50,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
Naphthalene	13,000	380 U	350 U	350 U	48 J	340 U	1080 U	370 U	10 U
4-Chloroaniline	220	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
Hexachlorobutadiene	50,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
4-Chloro-3-methylphenol	240	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
2-Methylnaphthalene	36,400	380 U	350 U	38 J	64 J	340 U	33 J	370 U	10 U
Hexachlorocyclopentadiene	50,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
2,4,6-Trichlorophenol	50,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
2,4,5-Trichlorophenol	100	950 U	880 U	880 U	2730 U	840 U	2700 U	930 U	25 U

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	SB55-0204D	SB56-1012M	SB60-0608	SB62-0002	SB62-1012	SB63-0204	SB64-0608	RB110895
Lab ID Number	Recommended	SXS 01984	SXS 01974	SXS 01967	SXS 02013	SXS 02026	SXS 02022	SXS 02032	SXS 01697
Matrix	Soil Cleanup	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Water
Date Collected	Objective Levels	11/15/95	11/15/95	11/15/95	11/16/95	11/16/95	11/16/95	11/16/95	11/8/95
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
2-Chloronaphthalene	50,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
2-Nitroaniline	430	950 U	880 U	880 U	2730 U	840 U	2700 U	930 U	25 U
Dimethylphthalate	2,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
Acenaphthylene	41,000	380 U	350 U	350 U	30 J	340 U	1080 U	370 U	10 U
2,6-Dinitrotoluene	1,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
3-Nitroaniline	500	950 U	880 U	880 U	2730 U	840 U	2700 U	930 U	25 U
Acenaphthene	50,000	40 J	350 U	350 U	250 J	340 U	37 J	370 U	10 U
2,4-Dinitrophenol	200	950 U	880 U	880 U	2730 U	840 U	2700 U	930 U	25 U
4-Nitrophenol	100	950 U	880 U	880 U	2730 U	840 U	2700 U	930 U	25 U
Dibenzofuran	6,200	380 U	350 U	350 U	97 J	340 U	1080 U	370 U	10 U
2,4-Dinitrotoluene	50,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
Diethylphthalate	7,100	380 U	350 U	350 U	1080 U	14 J	1080 U	370 U	0.65 JB
4-Chlorophenyl Phenyl Ether	50,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
Fluorene	50,000	47 J	350 U	350 U	190 J	340 U	30 J	370 U	10 U
4-Nitroaniline	50,000	950 U	880 U	880 U	2730 U	840 U	2700 U	930 U	25 U
4,6-Dinitro-2-Methylphenol	50,000	950 U	880 U	880 U	2730 U	840 U	2700 U	930 U	25 U
N-nitrosodiphenylamine	50,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
4-Bromophenyl Phenyl Ether	50,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
Hexachlorobenzene	410	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
Pentachlorophenol	1,000	950 U	880 U	880 U	2730 U	840 U	2700 U	930 U	25 U
Phenanthrene	50,000	620 J	220 J	290 J	2800	10 J	400 J	370 U	10 U
Anthracene	50,000	79 J	350 U	47 J	530 J	340 U	67 J	370 U	10 U
Carbazole	50,000	380 U	350 U	350 U	400 J	340 U	1080 U	370 U	10 U
Di-n-butylphthalate	8,100	27 JB	350 U	350 U	47 BJ	220 BJ	43 BJ	14 BJ	2 JB
Fluoranthene	50,000	810 J	360 J	330 J	5500	16 J	760 J	9.1 J	10 U
Pyrene	50,000	1100 J	410 J	530 J	6700	20 J	930 J	12 J	10 U

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB55-0204D SXS 01984 Soil 11/15/95 ug/kg	SB56-1012M SXS 01974 Soil 11/15/95 ug/kg	SB60-0608 SXS 01967 Soil 11/15/95 ug/kg	SB62-0002 SXS 02013 Soil 11/16/95 ug/kg	SB62-1012 SXS 02026 Soil 11/16/95 ug/kg	SB63-0204 SXS 02022 Soil 11/16/95 ug/kg	SB64-0608 SXS 02032 Soil 11/16/95 ug/kg	RB110895 SXS 01697 Water 11/8/95 ug/L
Butylbenzylphthalate	50,000	45 J	190 J	180 J	170 J	3300	170 J	13 J	0.71 J
3,3'-Dichlorobenzidine	50,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
Benzo[a]anthracene	224	340 J	170 J	190 J	3000	340 U	420 J	370 U	10 U
Chrysene	400	390 J	180 J	170 J	3100	340 U	430 J	370 U	10 U
Bis(2-ethylhexyl)phthalate	50,000	190 J	390 J	110 J	110 J	91 J	120 J	28 J	0.75 JB
Di-n-octylphthalate	50,000	380 U	350 U	350 U	1080 U	340 U	1080 U	370 U	10 U
Benzo[b]fluoranthene	1,100	450 J	190 J	200 J	3200	340 U	540 J	370 U	10 U
Benzo[k]fluoranthene	1,100	140 J	100 J	78 J	1100	340 U	160 J	370 U	10 U
Benzo[a]pyrene	61	360 J	160 J	170 J	2700	340 U	380 J	370 U	10 U
Indeno(1,2,3-cd)pyrene	3,200	620 J	340 J	280 J	3300	340 U	640 J	370 U	10 U
Dibenz[a,h]anthracene	14	380 U	350 U	350 U	820 J	340 U	1080 U	370 U	10 U
Benzo[g,h,i]perylene	50,000	650 J	380 J	320 J	3200	340 U	630 J	5.2 J	10 U

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	RB110995 SXS 01722 Water 11/9/95 ug/L	RB111095 SXS 01755 Water 11/10/95 ug/L	RB111395 SXS 01822 Water 11/13/95 ug/L	RB111495 SXS 01886 Water 11/14/95 ug/L	RB111595 SXS 01953 Water 11/15/95 ug/L	RB111695 SXS 01979 Water 11/16/95 ug/L	FWB110895 SXS 01696 Water 11/8/95 ug/L	FWB111395 SXS 01821 Water 11/13/95 ug/L
Phenol	30	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethyl)ether	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	800	10 U	10 U	10 U	0.79 J	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	900	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroisopropyl)ether	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	900	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-nitroso-di-n-propylamine	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	4,400	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	330	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethoxy)methane	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	400	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	13,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	220	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	240	10 U	10 U	10 U	2.6 J	10 U	10 U	10 U	10 U
2-Methylnaphthalene	36,400	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	100	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	RB110995 SXS 01722 Water 11/9/95 ug/L	RB111095 SXS 01755 Water 11/10/95 ug/L	RB111395 SXS 01822 Water 11/13/95 ug/L	RB111495 SXS 01886 Water 11/14/95 ug/L	RB111595 SXS 01953 Water 11/15/95 ug/L	RB111695 SXS 01979 Water 11/16/95 ug/L	FWB110895 SXS 01696 Water 11/8/95 ug/L	FWB111395 SXS 01821 Water 11/13/95 ug/L
2-Chloronaphthalene	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	430	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dimethylphthalate	2,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	41,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	1,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	500	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Acenaphthene	50,000	10 U	10 U	10 U	1.1 J	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	200	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-Nitrophenol	100	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dibenzofuran	6,200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	7,100	10 U	10 U	10 U	10 U	10 U	10 U	1.5 JB	10 U
4-Chlorophenyl Phenyl Ether	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50,000	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4,6-Dinitro-2-Methylphenol	50,000	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
N-nitrosodiphenylamine	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl Phenyl Ether	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	410	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	1,000	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Phenanthrene	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	8,100	0.53 JB	0.79 JB	0.97 JB	1.6 JB	1.8 JB	0.76 JB	2.8 JB	0.97 JB
Fluoranthene	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50,000	10 U	10 U	10 U	0.58 J	10 U	10 U	0.3 J	10 U

TABLE A-4
TCL SEMI-VOLATILE ORGANIC COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	RB110995	RB111095	RB111395	RB111495	RB111595	RB111695	FWB110895	FWB111395
Lab ID Number	Recommended	SXS 01722	SXS 01755	SXS 01822	SXS 01886	SXS 01953	SXS 01979	SXS 01696	SXS 01821
Matrix	Soil Cleanup	Water	Water	Water	Water	Water	Water	Water	Water
Date Collected	Objective Levels	11/9/95	11/10/95	11/13/95	11/14/95	11/15/95	11/16/95	11/8/95	11/13/95
Units	ug/kg	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Butylbenzylphthalate	50,000	1.1 J	1.8 J	10 U	10 U	10 U	10 U	1.4 J	10 U
3,3'-Dichlorobenzidine	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]anthracene	224	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	400	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-ethylhexyl)phthalate	50,000	3.9 JB	2.7 J	10 U	0.68 J	10 U	10 U	1.6 JB	10 U
Di-n-octylphthalate	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	1,100	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	1,100	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	61	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	3,200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	14	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

TABLE A-5
TCL PESTICIDE COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB01-0002 SXS 01873 Soil ug/kg	SB01-0204 SXS 01789 Soil ug/kg	SB02-0204 SXS 01694 Soil ug/kg	SB03-1012 SXS 01690 Soil ug/kg	SB05-0002 SXS 01909 Soil ug/kg	SB05-0002D SXS 01910 Soil ug/kg	SB05-0608 SXS 01729 Soil ug/kg	SB06-0002M SXS 01908 Soil ug/kg
Aldrin	41	1.8 U	19 U	490	1.8 U	1.9 U	40	75	19
alpha-BHC	110	1.8 U	19 U	1.9 U	1.8 U	1.9 U	2 U	1.9 U	2.1 U
beta-BHC	200	1.8 U	19 U	1.9 U	1.8 U	1.9 U	2 U	77	2.1 U
delta-BHC	--	1.8 U	19 U	1.9 U	1.8 U	1.9 U	2 U	1.9 U	2.1 U
gamma-BHC (Lindane)	60	1.8 U	19 U	1.9 U	1.8 U	1.9 U	2 U	1.9 U	2.1 U
alpha-Chlordane	540	1.8 U	63	1.9 U	1.8 U	1.9 U	2 U	280	2.1 U
gamma-Chlordane	540	1.8 U	19 U	290	1.8 U	1.9 U	21	310	2.1 U
4,4'-DDD	2,900	3.6 U	37 U	3.7 U	3.4 U	3.8 U	3.8 U	3.8 U	4 U
4,4'-DDE	2,100	3.6 U	37 U	3.7 U	3.4 U	3.8 U	28	47	4 U
4,4'-DDT	2,100	3.6 U	37 U	3.7 U	3.4 U	3.8 U	3.8 U	3.8 U	4 U
Dieldrin	44	3.6 U	37 U	3.7 U	3.4 U	3.8 U	3.8 U	3.8 U	4 U
Endosulfan I	900	1.8 U	19 U	1.9 U	1.8 U	1.9 U	2 U	1.9 U	2.1 U
Endosulfan II	900	3.6 U	37 U	30	3.4 U	3.8 U	3.8 U	3.8 U	4 U
Endosulfan sulfate	1,000	3.6 U	37 U	3.7 U	3.4 U	3.8 U	3.8 U	3.8 U	4 U
Endrin	100	3.6 U	37 U	67	3.4 U	3.8 U	3.8 U	28	4 U
Endrin aldehyde	--	3.6 U	37 U	3.7 U	3.4 U	3.8 U	3.8 U	3.8 U	4 U
Endrin ketone	--	3.6 U	37 U	24	3.4 U	3.8 U	3.8 U	3.8 U	4 U
Heptachlor	100	1.8 U	19 U	1.9 U	1.8 U	1.9 U	2 U	1.9 U	2.1 U
Heptachlor epoxide	20	24	19 U	1.9 U	1.8 U	100	320	1.9 U	150
Methoxychlor	10,000	18 U	190 U	26	18 U	19 U	210	19 U	21 U
Toxaphene	--	180 U	1900 U	190 U	180 U	190 U	200 U	190 U	210 U

TABLE A-5
TCL PESTICIDE COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB07-0608 SXS 01710 Soil ug/kg	SB08-1012 SXS 01717 Soil ug/kg	SB10-0204 SXS 01751 Soil ug/kg	SB12-0204 SXS 01739 Soil ug/kg	SB13-1012 SXS 01736 Soil ug/kg	SB14-0608 SXS 01754 Soil ug/kg	SB14-0608D SXS 01752 Soil ug/kg	SB15-0608M SXS 01741 Soil ug/kg
Aldrin	41	110	1.8	1.9 U	2.3	27	1.9 U	2 U	1.8 U
alpha-BHC	110	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U	1.8 U
beta-BHC	200	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U	1.8 U
delta-BHC	--	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U	1.8 U
gamma-BHC (Lindane)	60	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U	1.8 U
alpha-Chlordane	540	1.8 U	1.8 U	2	1.9 U	1.8 U	11	7.1	500
gamma-Chlordane	540	9.5	1.8 U	1.9 U	7.8	19	1.9 U	22	1.8 U
4,4'-DDD	2,900	3.5 U	3.4 U	3.6 U	3.7 U	3.4 U	3.7 U	3.8 U	3.5 U
4,4'-DDE	2,100	3.5 U	3.4 U	3.6 U	3.7 U	3.4 U	3.7 U	3.8 U	3.5 U
4,4'-DDT	2,100	3.5 U	3.4 U	3.6 U	24	27	3.7 U	3.8 U	3.5 U
Dieldrin	44	3.5 U	3.4 U	3.6 U	3.7 U	3.4 U	3.7 U	3.8 U	3.5 U
Endosulfan I	900	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U	1.8 U
Endosulfan II	900	3.5 U	3.4 U	3.6 U	3.7 U	4.3	3.7 U	3.8 U	3.5 U
Endosulfan sulfate	1,000	3.5 U	3.4 U	3.6 U	3.7 U	3.4 U	3.7 U	3.8 U	3.5 U
Endrin	100	3.5 U	3.4 U	3.6 U	24	24	3.7 U	3.8 U	3.5 U
Endrin aldehyde	--	3.5 U	3.4 U	3.6 U	3.7 U	3.4 U	3.7 U	3.8 U	3.5 U
Endrin ketone	--	3.5 U	3.4 U	3.6 U	3.7 U	3.6	3.7 U	3.8 U	3.5 U
Heptachlor	100	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U	1.8 U
Heptachlor epoxide	20	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U	1.8 U
Methoxychlor	10,000	18 U	18 U	19 U	19 U	18 U	19 U	20 U	18 U
Toxaphene	--	180 U	180 U	190 U	190 U	180 U	190 U	200 U	180 U

TABLE A-5
TCL PESTICIDE COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB18-0204 SXS 01753 Soil ug/kg	SB19-1012 SXS 01723 Soil ug/kg	SB21-0608 SXS 01775 Soil ug/kg	SB21-0608D SXS 01774 Soil ug/kg	SB23-0204 SXS 01776 Soil ug/kg	SB24-0002 SXS 01907 Soil ug/kg	SB24-1012M SXS 01772 Soil ug/kg	SB26-0002C SXS 01773 Soil ug/kg
Aldrin	41	19 U	1.8 U	1.9 U	1.9 U	1.8 U	150	1.7 U	1.8 U
alpha-BHC	110	19 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	1.7 U	1.8 U
beta-BHC	200	19 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	1.7 U	1.8 U
delta-BHC	--	19 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	1.7 U	1.8 U
gamma-BHC (Lindane)	60	19 U	1.8	1.9 U	1.9 U	1.8 U	1.8 U	1.7 U	1.8 U
alpha-Chlordane	540	19 U	210	5	4.6	40	1.8 U	10	170
gamma-Chlordane	540	19 U	200	3.7	3.4	1.8 U	23	19	1.8 U
4,4'-DDD	2,900	36 U	3.5 U	3.6 U	3.6 U	3.1	3.6 U	3.4 U	3.5 U
4,4'-DDE	2,100	36 U	3.5 U	3.6 U	3.6 U	3.5 U	14	3.4 U	3.5 U
4,4'-DDT	2,100	36 U	3.5 U	3.6 U	3.6 U	3.5 U	3.6 U	3.4 U	3.5 U
Dieldrin	44	36 U	3.5 U	3.6 U	3.6 U	3.5 U	3.6 U	3.4 U	3.5 U
Endosulfan I	900	19 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	1.7 U	1.8 U
Endosulfan II	900	36 U	3.5 U	3.6 U	3.6 U	3.5 U	3.6 U	3.4 U	3.5 U
Endosulfan sulfate	1,000	36 U	3.5 U	3.6 U	3.6 U	3.5 U	3.6 U	3.4 U	3.5 U
Endrin	100	36 U	3.5 U	3.6 U	3.6 U	3.5 U	3.6 U	3.4 U	3.5 U
Endrin aldehyde	--	36 U	3.5 U	3.6 U	3.6 U	3.5 U	3.6 U	3.4 U	3.5 U
Endrin ketone	--	36 U	3.5 U	3.6 U	3.6 U	4	3.6 U	3.4 U	3.5 U
Heptachlor	100	19 U	2.5	1.9 U	1.9 U	1.8 U	1.8 U	1.7 U	1.8 U
Heptachlor epoxide	20	19 U	1.8 U	1.9 U	1.9 U	1.8 U	390	1.7 U	1.8 U
Methoxychlor	10,000	190 U	18 U	19 U	19 U	18	18 U	17 U	18 U
Toxaphene	--	1900 U	180 U	190 U	190 U	180 U	180 U	170 U	180 U

TABLE A-5
TCL PESTICIDE COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB27-0608 SXS 01779 Soil ug/kg	SB28-0002 SXS 01904 Soil ug/kg	SB29-1012 SXS 01793 Soil ug/kg	SB30-0002 SXS 01900 Soil ug/kg	SB31-0608 SXS 01796 Soil ug/kg	SB33-0204 SXS 01841 Soil ug/kg	SB34-1012 SXS 01840 Soil ug/kg	SB36-0002 SXS 01898 Soil ug/kg
Aldrin	41	19 U	1.9 U	1.8 U	1.8 U	18 U	1.9 U	1.8 U	1.8 U
alpha-BHC	110	19 U	1.9 U	1.8 U	1.8 U	18 U	1.9 U	1.8 U	1.8 U
beta-BHC	200	19 U	1.9 U	1.8 U	1.8 U	18 U	1.9 U	1.8 U	1.8 U
delta-BHC	--	19 U	1.9 U	1.8 U	1.8 U	18 U	1.9 U	1.8 U	1.8 U
gamma-BHC (Lindane)	60	19 U	1.9 U	1.8 U	1.8 U	18 U	1.9 U	1.8 U	1.8 U
alpha-Chlordane	540	48	19	6.5	1.8 U	140	1.9 U	1.8 U	2.7
gamma-Chlordane	540	43	1.9 U	1.8 U	1.8 U	80	1.9 U	1.8 U	2.1
4,4'-DDD	2,900	36 U	3.7 U	3.4 U	3.6 U	35 U	3.7 U	3.4 U	3.5 U
4,4'-DDE	2,100	36 U	3.7 U	3.4 U	3.6 U	35 U	3.7 U	3.4 U	3.5 U
4,4'-DDT	2,100	36 U	3.7 U	8.4	3.6 U	44	3.7 U	3.4 U	3.5 U
Dieldrin	44	36 U	3.7 U	3.4 U	3.6 U	35 U	3.7 U	3.4 U	3.5 U
Endosulfan I	900	19 U	1.9 U	1.8 U	1.8 U	18 U	1.9 U	1.8 U	1.8 U
Endosulfan II	900	36 U	3.7 U	3.4 U	3.6 U	35 U	3.7 U	3.4 U	3.5 U
Endosulfan sulfate	1,000	36 U	3.7 U	3.4 U	3.6 U	35 U	3.7 U	3.4 U	3.5 U
Endrin	100	36 U	3.7 U	3.4 U	3.6 U	35 U	3.7 U	3.4 U	3.5 U
Endrin aldehyde	--	36 U	3.7 U	3.4 U	3.6 U	35 U	3.7 U	3.4 U	3.5 U
Endrin ketone	--	36 U	3.7 U	3.4 U	3.6 U	35 U	3.7 U	3.4 U	3.5 U
Heptachlor	100	19 U	1.9 U	1.8 U	1.8 U	18 U	1.9 U	1.8 U	1.8 U
Heptachlor epoxide	20	19 U	49	1.8 U	210	18 U	170	1.8 U	2
Methoxychlor	10,000	190 U	19 U	18 U	18 U	180 U	19 U	18 U	18 U
Toxaphene	--	1900 U	190 U	180 U	180 U	1800 U	190 U	180 U	180 U

TABLE A-5
TCL PESTICIDE COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB36-0608 SXS 01830 Soil ug/kg	SB38-0204 SXS 01838 Soil ug/kg	SB39-0002 SXS 02010 Soil ug/kg	SB39-1012 SXS 01901 Soil ug/kg	SB41-0608 SXS 01906 Soil ug/kg	SB43-0204 SXS 01846 Soil ug/kg	SB44-1012 SXS 01899 Soil ug/kg	SB45-0002 SXS 02012 Soil ug/kg
Aldrin	41	1.8 U	2 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U
alpha-BHC	110	1.8 U	2 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U
beta-BHC	200	1.8 U	2 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U
delta-BHC	--	1.8 U	2 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U
gamma-BHC (Lindane)	60	1.8 U	2 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U
alpha-Chlordane	540	1.8 U	2 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U
gamma-Chlordane	540	1.8 U	2 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U
4,4'-DDD	2,900	3.5 U	3.9 U	3.5 U	3.4 U	3.6 U	3.6 U	3.5 U	3.5 U
4,4'-DDE	2,100	3.5 U	21	3.5 U	3.4 U	3.6 U	3.6 U	3.5 U	3.5 U
4,4'-DDT	2,100	3.5 U	11	3.5 U	3.4 U	3.6 U	3.6 U	3.5 U	3.5 U
Dieldrin	44	3.5 U	3.9 U	3.5 U	3.4 U	3.6 U	3.6 U	3.5 U	3.5 U
Endosulfan I	900	1.8 U	2 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U
Endosulfan II	900	3.5 U	3.9 U	3.5 U	3.4 U	3.6 U	3.6 U	3.5 U	3.5 U
Endosulfan sulfate	1,000	3.5 U	3.9 U	3.5 U	3.4 U	3.6 U	3.6 U	3.5 U	3.5 U
Endrin	100	3.5 U	3.9 U	3.5 U	3.4 U	3.6 U	3.6 U	3.5 U	3.5 U
Endrin aldehyde	--	3.5 U	3.9 U	3.5 U	3.4 U	3.6 U	3.6 U	3.5 U	3.5 U
Endrin ketone	--	3.5 U	3.9 U	3.5 U	3.4 U	3.6 U	3.6 U	3.5 U	3.5 U
Heptachlor	100	1.8 U	2 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U
Heptachlor epoxide	20	1.8 U	3.3	18	59	490	38	1.8 U	1.8 U
Methoxychlor	10,000	18 U	20 U	18	18 U	19 U	19 U	18 U	15
Toxaphene	--	180 U	200 U	180 U	180 U	190 U	190 U	180 U	180 U

TABLE A-5
TCL PESTICIDE COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB46-0608 SXS 01930 Soil ug/kg	SB48-0204 SXS 01935 Soil ug/kg	SB49-0204 SXS 01950 Soil ug/kg	SB51-1012 SXS 01949 Soil ug/kg	SB52-0002 SXS 02011 Soil ug/kg	SB53-1012 SXS 01943 Soil ug/kg	SB54-0608 SXS 01976 Soil ug/kg	SB55-0002 SXS 02014 Soil ug/kg
Aldrin	41	1.8 U	1.8 U	2 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
alpha-BHC	110	1.8 U	1.8 U	2 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
beta-BHC	200	1.8 U	1.8 U	2 U	1.8 U	20	1.8 U	1.9 U	17
delta-BHC	--	1.8 U	1.8 U	2 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
gamma-BHC (Lindane)	60	1.8 U	1.8 U	2 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
alpha-Chlordane	540	1.8 U	1.8 U	2 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
gamma-Chlordane	540	1.8 U	31	2 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
4,4'-DDD	2,900	3.5 U	3.5 U	3.9 U	3.4 U	3.5 U	3.4 U	3.7 U	3.6 U
4,4'-DDE	2,100	3.5 U	3.5 U	3.9 U	3.4 U	20	3.4 U	3.7 U	19
4,4'-DDT	2,100	3.5 U	3.5 U	3.9 U	3.4 U	3.5 U	3.4 U	18	20
Dieldrin	44	420	39	3.9 U	3.4 U	3.5 U	3.4 U	3.7 U	3.6 U
Endosulfan I	900	1.8 U	1.8 U	2 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
Endosulfan II	900	3.5 U	3.5 U	3.9 U	3.4 U	3.5 U	3.4 U	3.7 U	3.6 U
Endosulfan sulfate	1,000	3.5 U	3.5 U	3.9 U	3.4 U	3.5 U	3.4 U	3.7 U	3.6 U
Endrin	100	3.5 U	3.5 U	3.9 U	3.4 U	17	3.4 U	3.7 U	20
Endrin aldehyde	--	3.5 U	3.5 U	3.9 U	3.4 U	3.5 U	3.4 U	3.7 U	3.6 U
Endrin ketone	--	3.5 U	3.5 U	3.9 U	3.4 U	3.5 U	3.4 U	3.7 U	3.6 U
Heptachlor	100	1.8 U	1.8 U	2 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
Heptachlor epoxide	20	850	84	24	160	28	34	62	44
Methoxychlor	10,000	18 U	18 U	20 U	18 U	41	18 U	19 U	23
Toxaphene	--	180 U	180 U	200 U	180 U	180 U	180 U	190 U	190 U

TABLE A-5
TCL PESTICIDE COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels ug/kg	SB55-0204 SXS 01985 Soil ug/kg	SB55-0204D SXS 01984 Soil ug/kg	SB56-1012M SXS 01974 Soil ug/kg	SB60-0608 SXS 01967 Soil ug/kg	SB62-0002 SXS 02013 Soil ug/kg	SB62-1012 SXS 02026 Soil ug/kg	SB63-0204 SXS 02022 Soil ug/kg	SB64-0608 SXS 02032 Soil ug/kg
Aldrin	41	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	4.6	46	1.9 U
alpha-BHC	110	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.9 U
beta-BHC	200	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.9 U
delta-BHC	--	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.9 U
gamma-BHC (Lindane)	60	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.9 U
alpha-Chlordane	540	1.9 U	1.9 U	1.8 U	1.8 U	27	1.7 U	49	1.9 U
gamma-Chlordane	540	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	14	1.8 U	1.9 U
4,4'-DDD	2,900	3.7 U	3.8 U	3.5 U	3.5 U	3.6 U	3.4 U	3.6 U	3.7 U
4,4'-DDE	2,100	3.7 U	18	3.5 U	3.5 U	19	3.4 U	20	3.7 U
4,4'-DDT	2,100	3.7 U	3.8 U	16	3.5 U	3.6 U	3.9	22	3.7 U
Dieldrin	44	3.7 U	3.8 U	3.5 U	3.5 U	3.6 U	3.4 U	3.6 U	3.7 U
Endosulfan I	900	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.9 U
Endosulfan II	900	3.7 U	3.8 U	3.5 U	3.5 U	3.6 U	3.4 U	3.6 U	3.7 U
Endosulfan sulfate	1,000	3.7 U	3.8 U	3.5 U	3.5 U	3.6 U	3.4 U	3.6 U	3.7 U
Endrin	100	3.7 U	3.8 U	12	3.5 U	40	16	79	3.7 U
Endrin aldehyde	--	3.7 U	3.8 U	3.5 U	3.5 U	3.6 U	1.9	3.6 U	3.7 U
Endrin ketone	--	3.7 U	3.8 U	3.5 U	3.5 U	3.6 U	3.4 U	3.6 U	3.7 U
Heptachlor	100	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.9 U
Heptachlor epoxide	20	1.9 U	1.9 U	1.8 U	1.8 U	93	49	230	1.8
Methoxychlor	10,000	19 U	19 U	18 U	18 U	29	2.2	27	19 U
Toxaphene	--	190 U	190 U	180 U	180 U	190 U	170 U	180 U	190 U

TABLE A-5
TCL PESTICIDE COMPOUNDS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number	New York State	RB110895	RB110995	RB111095	RB111395	RB111495	RB111595	RB111695	FWB110895	FWB111395
Lab ID Number	Recommended	SXS 01697	SXS 01722	SXS 01755	SXS 01822	SXS 01886	SXS 01953	SXS 01979	SXS 01696	SXS 01821
Matrix	Soil Cleanup	Water	Water	Water	Water	Water	Water	Water	Water	Water
Date Collected	Objective Levels									
Units	ug/kg	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aldrin	41	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
alpha-BHC	110	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
beta-BHC	200	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
delta-BHC	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	60	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
alpha-Chlordane	540	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-Chlordane	540	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
4,4'-DDD	2,900	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	2,100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	2,100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dieldrin	44	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan I	900	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan II	900	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	1,000	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin	100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin aldehyde	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin ketone	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Heptachlor	100	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	20	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Methoxychlor	10,000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toxaphene	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

TABLE A-6
TAL METALS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels mg/kg	SB01-0002 SXS 01873 Soil mg/kg	SB01-0204 SXS 01789 Soil mg/kg	SB02-0204 SXS 01694 Soil mg/kg	SB03-1012 SXS 01690 Soil mg/kg	SB05-0002 SXS 01909 Soil mg/kg	SB05-0002D SXS 01910 Soil mg/kg	SB05-0608 SXS 01729 Soil mg/kg	SB06-0002M SXS 01908 Soil mg/kg
Aluminum	--	3400	7500	12000	2100	3200	4800	2500	5800
Antimony	--	11	13 U	13 U	12 U	3	3.4	11	2.9
Arsenic	7.5	3.1	19	11	0.69	5	6.1	1	11
Barium	300	22	52	39	9.3	18	22	29	38
Beryllium	0.16	0.20	0.49	0.38	1 U	0.14	0.28	0.11	0.34
Cadmium	1	0.23	1.9	0.6	1 U	4.2	5.9	120	6.4
Calcium	--	1400	21000	2700	130	41000	13000	860	5800
Chromium	10	14	20	19	2.9	19	26	52	40
Cobalt	30	0.62	4.9	4.9	2.8	2.6	2.8	0.44	5.5
Copper	25	29	24	24	2.7	31	39	220	95
Iron	2,000	4800	14000	15000	3800	6300	8200	3700	26000
Lead	--	59	44	32	1.2	34	37	17	60
Magnesium	--	850	12000	1700	250	2300	7300	440	3000
Manganese	--	75	90	190	49	90	88	26	180
Mercury	0.1	0.033	0.15	0.054	0.1 U	0.09	0.1	0.16	0.16
Nickel	13	4.1	11	11	8.3 U	11	13	8.1	22
Potassium	--	330	650	760	180	270	410	210	430
Selenium	2	1.1 U	1.3	0.44	1 U	0.4	0.52	1.1 U	0.4
Silver	--	2.2 U	2.2 U	2.2 U	2.1 U	1.3	1.6	4.4	1.7
Sodium	--	100	130	380	41	60	86	35	110
Thallium	--	2.2 U	2.2 U	2.2 U	2.1 U	2.3 U	2.3 U	2.3 U	2.4 U
Vanadium	150	7.7	25	35	3.8	11	15	4	18
Zinc	20	40	59	35	4.1	91	140	66	150

TABLE A-6
TAL METALS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels mg/kg	SB07-0608 SXS 01710 Soil mg/kg	SB08-1012 SXS 01717 Soil mg/kg	SB10-0204 SXS 01751 Soil mg/kg	SB12-0204 SXS 01739 Soil mg/kg	SB13-1012 SXS 01736 Soil mg/kg	SB14-0608 SXS 01754 Soil mg/kg	SB14-0608D SXS 01752 Soil mg/kg	SB15-0608M SXS 01741 Soil mg/kg
Aluminum	--	4400	1600	9300	8600	3700	11000	12000	5300
Antimony	--	13 U	12 U	13 U	13 U	12 U	13 U	14 U	13 U
Arsenic	7.5	1.7	1.8	2.2	4.6	1.8	2.9	3.4	2.6
Barium	300	12	6.8	17	31	14	36	38	10
Beryllium	0.16	0.21	0.18	0.22	0.27	0.13	0.39	0.32	0.18
Cadmium	1	0.34	1 U	0.38	0.96	0.34	0.097	0.35	1.5
Calcium	--	260	70	210	620	530	330	350	110
Chromium	10	6.5	2.2	8.6	10	24	13	13	9.4
Cobalt	30	1.5	1.9	1.7	15	2.4	4.2	3.7	2.9
Copper	25	3.7	2.4	2.9	9.6	4.4	6.1	6.5	3.2
Iron	2,000	6400	5700	8700	9000	7600	11000	11000	6900
Lead	--	5.5	2.1	5.1	39	7.6	6.1	8.3	4.1
Magnesium	--	530	220	710	830	540	1900	2100	650
Manganese	--	82	60	110	210	95	230	210	90
Mercury	0.1	0.023	0.014	0.051	0.046	0.017	0.02	0.032	0.022
Nickel	13	4.4	1.5	4.7	4.8	3.5	7	9.8	3.9
Potassium	--	250	130	410	460	280	690	700	220
Selenium	2	1.1 U	1 U	0.99	0.37	1 U	0.53	0.67	0.7
Silver	--	2.1 U	2.1 U	2.2 U	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U
Sodium	--	36	38	260	89	51	140	160	87
Thallium	--	2.1 U	2.1 U	2.2 U	2.2 U	2.1 U	2.2 U	0.38	2.1 U
Vanadium	150	7.3	2.9	13	15	7.1	18	17	8.3
Zinc	20	17	7.6	23	39	18	24	26	13

TABLE A-6
TAL METALS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels mg/kg	SB18-0204 SXS 01753 Soil mg/kg	SB19-1012 SXS 01723 Soil mg/kg	SB21-0608 SXS 01775 Soil mg/kg	SB21-0608D SXS 01774 Soil mg/kg	SB23-0204 SXS 01776 Soil mg/kg	SB24-0002 SXS 01907 Soil mg/kg	SB24-1012M SXS 01772 Soil mg/kg	SB26-0002C SXS 01773 Soil mg/kg
Aluminum	--	2900	2000	5800	6100	4600	6100	2400	2900
Antimony	--	13 U	13 U	13 U	13 U	13 U	13 U	12 U	13 U
Arsenic	7.5	9.8	2.1 U	2.7	2.1	7.2	9.1	1.3	4.5
Barium	300	53	12	14	15	20	36	9.9	11
Beryllium	0.16	0.39	0.11	0.25	0.18	0.25	0.25	0.16	0.18
Cadmium	1	2.2	0.69	0.45	0.54	1.4	5.7	1 U	0.45
Calcium	--	3900	82	380	410	5300	2800	110	450
Chromium	10	19	40	8.2	7.1	11	27	23	8.1
Cobalt	30	3.8	10 U	1.9	1.9	1.8	2.8	1.7	1.1
Copper	25	21	47	11	11	14	26	6.6	24
Iron	2,000	9800	2100	8100	7300	7700	9600	4700	4900
Lead	--	68	8.3	8.1	7	28	25	2.5	20
Magnesium	--	1300	330	630	610	3200	1300	460	420
Manganese	--	69	16	120	110	80	73	100	86
Mercury	0.1	0.048	0.051	0.066	0.015	0.12	0.083	0.039	0.076
Nickel	13	9.4	1.5	3	6.2	6.5	8	2.5	3.2
Potassium	--	450	120	220	290	380	530	260	220
Selenium	2	0.94	1 U	0.9	0.61	0.86	0.5	0.44	0.56
Silver	--	2.2 U	6.7	2	2.8	2.1 U	0.98	2 U	0.52
Sodium	--	130	21	21	29	140	120	28	25
Thallium	--	2.2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.2 U	0.5	2.1 U
Vanadium	150	19	2.4	9.8	9.8	12	17	4.7	7.2
Zinc	20	63	7	22	16	44	74	17	27

TABLE A-6
TAL METALS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels mg/kg	SB27-0608 SXS 01779 Soil mg/kg	SB28-0002 SXS 01904 Soil mg/kg	SB29-1012 SXS 01793 Soil mg/kg	SB30-0002 SXS 01900 Soil mg/kg	SB31-0608 SXS 01796 Soil mg/kg	SB33-0204 SXS 01841 Soil mg/kg	SB34-1012 SXS 01840 Soil mg/kg	SB36-0002 SXS 01898 Soil mg/kg
Aluminum	--	3700	4500	2300	4300	5700	7900	3600	3100
Antimony	--	13 U	14 U	3	4	13 U	13 U	3.7	13 U
Arsenic	7.5	3.1	8.9	2.6	15	150	5.6	1.7	2.2
Barium	300	18	48	12	60	39	21	9.5	11
Beryllium	0.16	0.16	0.44	0.15	0.18	0.28	0.29	0.21	0.14
Cadmium	1	7.9	1.6	0.41	4	5.7	0.48	1 U	0.092
Calcium	--	5300	3500	88	8000	23000	280	60	180
Chromium	10	12	20	9.4	50	94	9.4	5.3	5.1
Cobalt	30	1.5	3.9	0.87	2.9	2.4	1	2.5	0.92
Copper	25	44	45	4.4	40	30	4.2	2.8	3.5
Iron	2,000	7900	8200	4400	9400	9200	8700	6800	3700
Lead	--	26	40	5.4	50	47	6.6	3.4	5.7
Magnesium	--	910	1200	270	4000	13000	660	390	180
Manganese	--	75	78	120	91	98	100	180	39
Mercury	0.1	0.12	0.046	0.015	0.085	0.14	0.02	0.1 U	0.01
Nickel	13	5.1	12	2.1	10	6.3	4.9	2.4	2.6
Potassium	--	280	340	160	430	400	490	270	300
Selenium	2	0.44	0.8	1 U	0.5	1	0.56	1 U	1.1 U
Silver	--	0.77	2.3 U	2.1 U	2.2 U	2.1 U	2.2 U	2.1 U	2.1 U
Sodium	--	48	150	59	200	180	34	22	33
Thallium	--	2.2 U	2.3 U	2.1 U	2.2 U	2.1 U	2.2 U	2.1 U	2.1 U
Vanadium	150	8.4	17	4	22	16	12	6.4	6.6
Zinc	20	44	190	23	92	83	20	10	9

TABLE A-6
TAL METALS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels mg/kg	SB36-0608 SXS 01830 Soil mg/kg	SB38-0204 SXS 01838 Soil mg/kg	SB39-0002 SXS 02010 Soil mg/kg	SB39-1012 SXS 01901 Soil mg/kg	SB41-0608 SXS 01906 Soil mg/kg	SB43-0204 SXS 01846 Soil mg/kg	SB44-1012 SXS 01899 Soil mg/kg	SB45-0002 SXS 02012 Soil mg/kg
Aluminum	--	4100	11000	3700	1500	8900	2600	2000	17000
Antimony	--	13 U	14 U	13 U	12 U	7.7	13 U	13 U	13 U
Arsenic	7.5	4.3	10	2.3	0.66	2.2 U	3.2	0.42	2.3
Barium	300	12	34	13	20	26	8.6	7.4	39
Beryllium	0.16	0.20	0.32	0.39	0.15	0.65	0.20	0.18	0.33
Cadmium	1	1 U	0.35	0.45	0.65	13	0.32	0.98	0.61
Calcium	--	730	3300	820	130	300	290	290	11000
Chromium	10	5.6	15	25	15	1500	24	120	31
Cobalt	30	2.1	3.9	2.3	1.4	0.49	1	1	13
Copper	25	6	9.6	89	5.4	310	70	17	110
Iron	2,000	5800	13000	6200	2900	7600	7800	3900	24000
Lead	--	5.4	21	15	4.4	90	14	4.8	41
Magnesium	--	490	1100	760	210	320	330	290	6700
Manganese	--	100	180	88	190	39	40	61	190
Mercury	0.1	0.1 U	0.093	0.061	0.013	0.23	0.11 U	0.1 U	0.15
Nickel	13	4	7.2	5.8	3	24	3.5	3	27
Potassium	--	280	610	280	140	180	140	210	1400
Selenium	2	1 U	0.65	0.29	1 U	0.41	1.1 U	1 U	1.1 U
Silver	--	2.1 U	2.3 U	2.1 U	2.1 U	1.7	2.2 U	2.1 U	0.52
Sodium	--	22	48	78	27	32	38	35	1600
Thallium	--	2.1 U	2.3 U	2.1 U	2.1 U	0.51	2.2 U	2.1 U	2.1 U
Vanadium	150	7.7	20	10	3	15	11	5	77
Zinc	20	9.7	38	55	8.5	300	23	15	53

TABLE A-6
TAL METALS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels mg/kg	SB46-0608 SXS 01930 Soil mg/kg	SB48-0204 SXS 01935 Soil mg/kg	SB49-0204 SXS 01950 Soil mg/kg	SB51-1012 SXS 01949 Soil mg/kg	SB52-0002 SXS 02011 Soil mg/kg	SB53-1012 SXS 01943 Soil mg/kg	SB54-0608 SXS 01976 Soil mg/kg	SB55-0002 SXS 02014 Soil mg/kg
Aluminum	--	3400	8800	8200	5000	13000	1600	9800	6700
Antimony	--	2.9	13 U	14 U	12 U	13 U	12 U	13 U	13 U
Arsenic	7.5	1.6	2.9	7.9	2.1 U	6.9	0.91	1.1	6.9
Barium	300	10	21	32	16	41	5.8	23	23
Beryllium	0.16	0.18	0.23	0.45	0.25	0.64	0.098	0.38	0.31
Cadmium	1	1.1	0.34	0.23	4.1	0.94	1 U	4.3	0.36
Calcium	--	540	850	1600	560	7800	46	3700	2900
Chromium	10	210	20	22	560	19	3	550	19
Cobalt	30	0.67	3.6	3	0.85	4	1.4	3.2	3.4
Copper	25	92	23	18	180	41	1.8	110	21
Iron	2,000	6000	9700	13000	5100	9900	3700	10000	7800
Lead	--	29	13	65	33	31	1.5	86	33
Magnesium	--	310	1200	1000	360	1700	270	1400	1500
Manganese	--	43	78	91	44	130	53	120	110
Mercury	0.1	0.1	0.071	0.098	0.16	0.15	0.065	0.21	0.2
Nickel	13	5.1	7.4	6.1	5.5	9.3	2.2	16	7.6
Potassium	--	130	560	830	180	620	230	480	490
Selenium	2	1 U	0.4	0.58	1 U	0.45	1 U	0.48	0.44
Silver	--	2.2	2.1 U	2.4 U	43	2.1 U	2.1 U	0.66	2.2 U
Sodium	--	320	92	66	39	320	49	48	75
Thallium	--	2.1 U	2.1 U	2.4 U	2.1 U	2.1 U'	2.1 U	2.2 U	2.2 U
Vanadium	150	11	15	26	9.8	23	2.9	26	17
Zinc	20	38	26	36	63	41	4.8	81	46

TABLE A-6
TAL METALS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels mg/kg	SB55-0204 SXS 01985 Soil mg/kg	SB55-0204D SXS 01984 Soil mg/kg	SB56-1012M SXS 01974 Soil mg/kg	SB60-0608 SXS 01967 Soil mg/kg	SB62-0002 SXS 02013 Soil mg/kg	SB62-1012 SXS 02026 Soil mg/kg	SB63-0204 SXS 02022 Soil mg/kg	SB64-0608 SXS 02032 Soil mg/kg
Aluminum	--	9700	8900	5200	6100	9700	1900	6300	8500
Antimony	--	2.1	14 U	13 U	3.5	13 U	12 U	13 U	13 U
Arsenic	7.5	4	5.2	5.4	3.4	13	1	7.1	2.4
Barium	300	22	22	16	19	49	7.5	23	31
Beryllium	0.16	0.30	0.24	0.28	0.29	0.63	0.17	0.29	0.36
Cadmium	1	1.1 U	0.12	6.7	0.51	0.79	0.42	0.76	0.11
Calcium	--	810	700	870	3000	2500	76	1900	380
Chromium	10	10	12	150	35	22	13	28	10
Cobalt	30	2.7	2.1	0.5	2.4	4.8	1.1	2.3	8.4
Copper	25	10	14	120	17	33	4.9	34	7.4
Iron	2,000	10000	10000	7300	9000	17000	4100	7700	8400
Lead	--	120	160	51	30	37	4	30	6.3
Magnesium	--	1100	840	750	1800	1200	270	1200	1300
Manganese	--	120	130	63	97	98	73	98	220
Mercury	0.1	0.46	0.64	0.37	0.1	0.18	0.032	0.26	0.038
Nickel	13	7.1	6.6	12	6.2	13	3.4	7.1	7.9
Potassium	--	580	450	350	480	750	250	480	610
Selenium	2	0.33	0.65	1.1 U	0.28	0.68	1 U	0.46	1.1 U
Silver	--	2.3 U	2.3 U	3.5	1.3	2.2 U	2 U	2.2 U	2.2 U
Sodium	--	51	41	33	44	210	33	820	55
Thallium	--	2.3 U	2.3 U	2.1 U	2.1 U	0.42	2 U	2.2 U	2.2 U
Vanadium	150	19	21	9.7	13	22	3.7	14	17
Zinc	20	22	24	87	24	46	8.3	36	17

TABLE A-6
TAL METALS
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT - BETHPAGE

Sample Number Lab ID Number Matrix Date Collected Units	New York State Recommended Soil Cleanup Objective Levels mg/kg	FWB110895 SXS 01696 Water ug/L	FWB111395 SXS 01821 Water ug/L	RB110895 SXS 01697 Water ug/L	RB110995 SXS 01722 Water ug/L	RB111095 SXS 01755 Water ug/L	RB111395 SXS 01822 Water ug/L	RB111495 SXS 01886 Water ug/L	RB111595 SXS 01953 Water ug/L	RB111695 SXS 01979 Water ug/L
Aluminum	--	200 U	200 U	200 U	200 U	200 U	32	200 U	200 U	200 U
Antimony	--	30	25	30	60 U	60 U	30	60 U	60 U	60 U
Arsenic	7.5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	300	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Beryllium	0.16	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.2
Calcium	--	5000 U	5000 U	57	5000 U	5000 U	5000 U	5000 U	5000 U	5000 U
Chromium	10	10 U	10 U	6.7	10 U	10 U	10 U	10 U	10 U	10 U
Cobalt	30	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Copper	25	20	25 U	19	20	18	25 U	25 U	25 U	2.4
Iron	2,000	43	100 U	1100	11	84	390	12	61	120
Lead	--	4.4	3 U	3.1	3.3	2.8	3 U	3 U	2.4	3 U
Magnesium	--	5000 U	5000 U	5000 U	5000 U	5000 U	5000 U	30	5000 U	5000 U
Manganese	--	15 U	15 U	10	0.83	4.7	6.3	15 U	1.9	4.1
Mercury	0.1	0.2 U	0.2 U	0.026	0.2 U	0.2 U	0.2 U	0.064	0.2 U	0.2 U
Nickel	13	40 U	40 U	40 U	40 U	40 U	14	12	40 U	40 U
Potassium	--	5000 U	5000 U	5000 U	5000 U	5000 U	5000 U	5000 U	5000 U	5000 U
Selenium	2	5 U	5 U	5 U	2.7	5 U	5 U	5 U	5 U	5 U
Silver	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	--	100	5000 U	97	77	61	64	53	480	5000 U
Thallium	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vanadium	150	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Zinc	20	9.7	4.7	19	17	10	4.2	20 U	4.7	20 U

APPENDIX B

REVISED ESTIMATES OF SOIL DISPOSAL VOLUMES

CALCULATION OF SOIL DISPOSAL VOLUME - SITE 1A

Section 4

Depth
0'-4'
4'-8'
8'-12'

Volume Calculation

Cell Type	No.	Unit Area	Area
Act. Contamination	3	200	600
Pot. Contamination	0	200	0
X-Sectional Area (sf)			600
Volume (cy)			1111

Section 1 2

Depth
0'-4'
4'-8'
8'-12'

Volume Calculation

Cell Type	No.	Unit Area	Area
Act. Contamination	2	200	400
Pot. Contamination	1	200	200
X-Sectional Area (sf)			600
Volume (cy)			1111

Section 3

Depth
0'-4'
4'-8'
8'-12'

Volume Calculation

Cell Type	No.	Unit Area	Area
Act. Contamination	1	200	200
Pot. Contamination	0	200	0
X-Sectional Area (sf)			200
Volume (cy)			370

Legend

41 Designated Boring Number

Cell Containing Contaminated Soil to be Excavated (50'x4')

Cell Containing Potentially Contaminated Soil to be Excavated (50 x 4')

Note: Each cross section is 50' deep.

CALCULATION OF SOIL DISPOSAL VOLUME - SITE 1A

Estimated Volume of Soil Requiring Disposal - Site 1B

Section 4	1111
Section 1-2	1111
Section 3	370
Total Volume (cy)	2592

CALCULATION OF SOIL DISPOSAL VOLUME - SITE 1B

Section 64

Depth
0'-4'
4'-8'
8'-12'

Volume Calculation

Cell Type	No.	Unit Area	Area
Act. Contamination	6	100	600
Pot. Contamination	0	100	0
X-Sectional Area (sf)			600
Volume (cy)			556

Section 17

Depth
0'-4'
4'-8'
8'-12'

Volume Calculation

Cell Type	No.	Unit Area	Area
Act. Contamination	3	100	300
Pot. Contamination	1	100	100
X-Sectional Area (sf)			400
Volume (cy)			370

Section 18

Depth
0'-4'
4'-8'
8'-12'

Volume Calculation

Cell Type	No.	Unit Area	Area
Act. Contamination	4	100	400
Pot. Contamination	0	100	0
X-Sectional Area (sf)			400
Volume (cy)			370

Legend

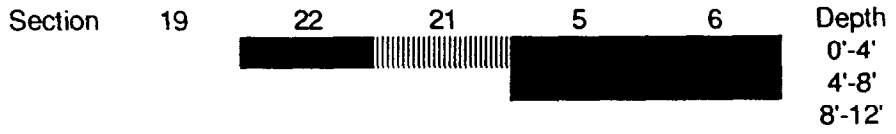
41 Designated Boring Number

Cell Containing Contaminated Soil to be Excavated (25'x4')

Cell Containing Potentially Contaminated Soil to be Excavated (25 x 4')

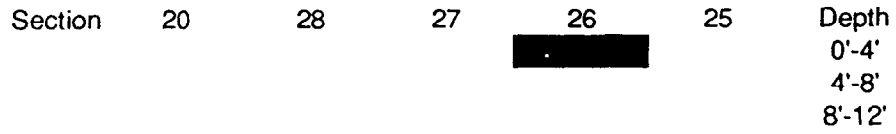
Note: Each cross section is 25' deep.

CALCULATION OF SOIL DISPOSAL VOLUME - SITE 1B



Volume Calculation

Cell Type	No.	Unit Area	Area
Act. Contamination	5	100	500
Pot. Contamination	1	100	100
X-Sectional Area (sf)			600
Volume (cy)			556



Volume Calculation

Cell Type	No.	Unit Area	Area
Contaminated Soil	1	100	100
Overlying Clean Soil	0	100	0
X-Sectional Area (sf)			100
Volume (cy)			93

Estimated Volume of Soil Requiring Disposal - Site 1B

Section 64-13	556
Section 17-9	370
Section 18-8	370
Section 19-6	556
Section 20-25	93
Total Volume (cy)	1945

Legend

41 Designated Boring Number

Cell Containing Contaminated Soil to be Excavated (25'x4')

Cell Containing Potentially Contaminated Soil to be Excavated (25 x 4')

Note: Each cross section is 25' deep.

CALCULATION OF SOIL DISPOSAL VOLUME - SITE 1C

Section 29 32

Depth
0'-4'
4'-8'
8'-12'

Volume Calculation

Cell Type	No.	Unit Area	Area
Act. Contamination	3	60	180
Pot. Contamination	0	60	0
X-Sectional Area (sf)			180
Volume (cy)			100

Section 33 31

Depth
0'-4'
4'-8'
8'-12'

Volume Calculation

Cell Type	No.	Unit Area	Area
Contaminated Soil	3	60	180
Overlying Clean Soil	0	60	0
X-Sectional Area (sf)			180
Volume (cy)			100

Estimated Volume of Soil Requiring Disposal - Site 1C

Section 29-32	100
Section 33-31	100
Total Volume (cy)	200

Legend

41 Designated Boring Number

Cell Containing Contaminated Soil to be Excavated (15'x4')

Cell Containing Potentially Contaminated Soil to be Excavated (15 x 4')

Note: Each cross section is 15' deep.

CALCULATION OF SOIL DISPOSAL VOLUME - SITE 2

Section 43 48 53 58 63 Depth 0'-4' 4'-8' 8'-12'

Volume Calculation

Cell Type	No.	Unit Area	Area
Act. Contamination	4	110	440
Pot. Contamination	1	110	110
X-Sectional Area (sf)			550
Volume (cy)			560

Section 42 47 52 57 62 Depth 0'-4' 4'-8' 8'-12'

Volume Calculation

Cell Type	No.	Unit Area	Area
Act. Contamination	6	110	660
Pot. Contamination	2	110	220
X-Sectional Area (sf)			880
Volume (cy)			896

Section 41 46 51 56 61 Depth 0'-4' 4'-8' 8'-12'

Volume Calculation

Cell Type	No.	Unit Area	Area
Act. Contamination	3	110	330
Pot. Contamination	0	110	0
X-Sectional Area (sf)			330
Volume (cy)			336

Legend

41 Designated Boring Number

Cell Containing Contaminated Soil to be Excavated (27.5'x4')

Cell Containing Potentially Contaminated Soil to be Excavated (27.5 x 4')

Note: Each cross section is 27.5' deep.

CALCULATION OF SOIL DISPOSAL VOLUME - SITE 2

Section	40	45	50	55	60	Depth
						0'-4'
						4'-8'
						8'-12'

Volume Calculation

Cell Type	No.	Unit Area	Area
Act. Contamination	1	110	110
Pot. Contamination	0	110	0
X-Sectional Area (sf)			110
Volume (cy)			112

Section	39	44	49	54	59	Depth
						0'-4'
						4'-8'
						8'-12'

Volume Calculation

Cell Type	No.	Unit Area	Area
Contaminated Soil	1	110	110
Overlying Clean Soil	0	110	0
X-Sectional Area (sf)			110
Volume (cy)			112

Estimated Volume of Soil Requiring Disposal - Site 2

Section 43-63	560
Section 42-62	896
Section 41-61	336
Section 40-60	112
Section 39-59	112
Total Volume (cy)	2016

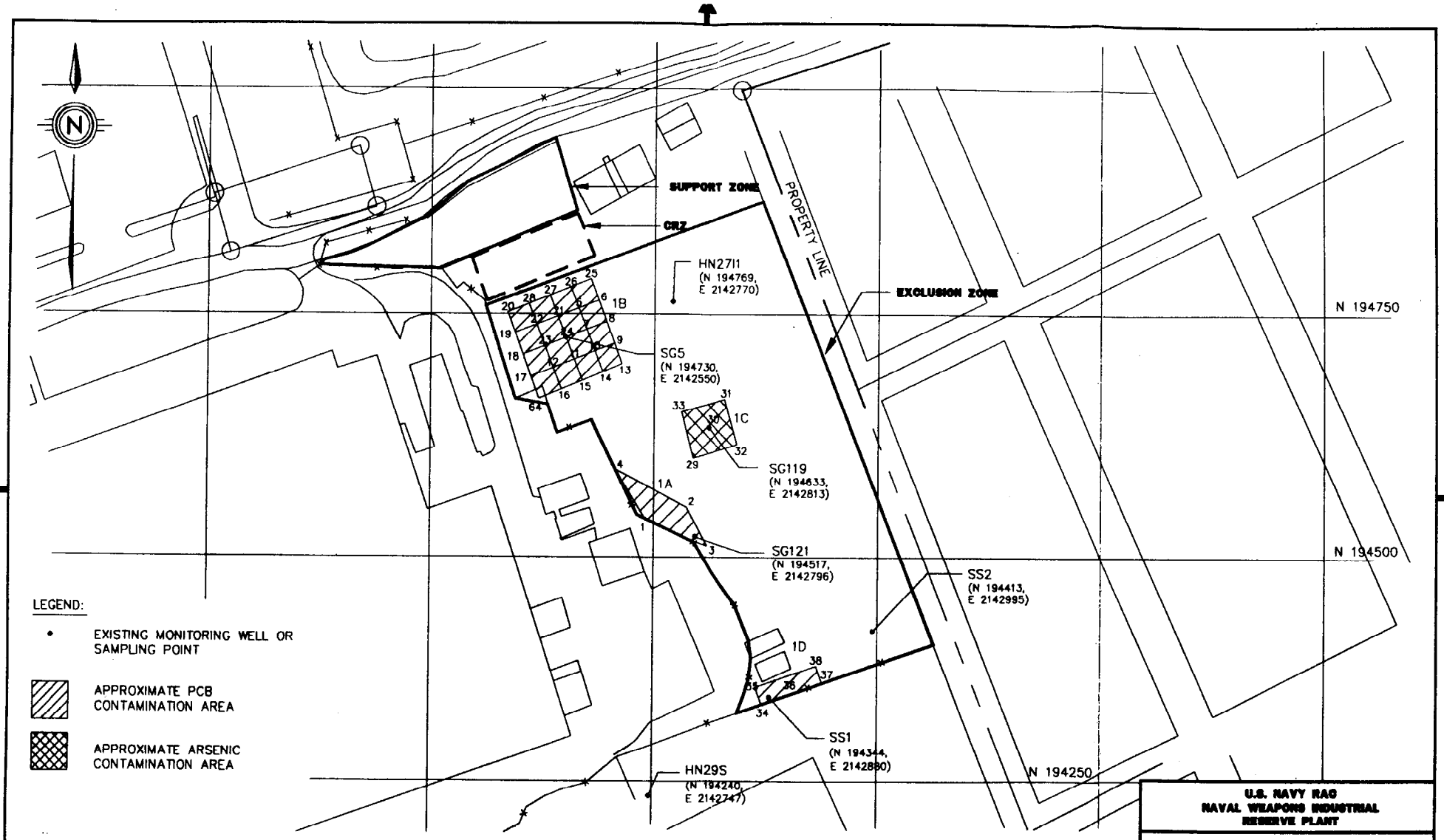
Legend

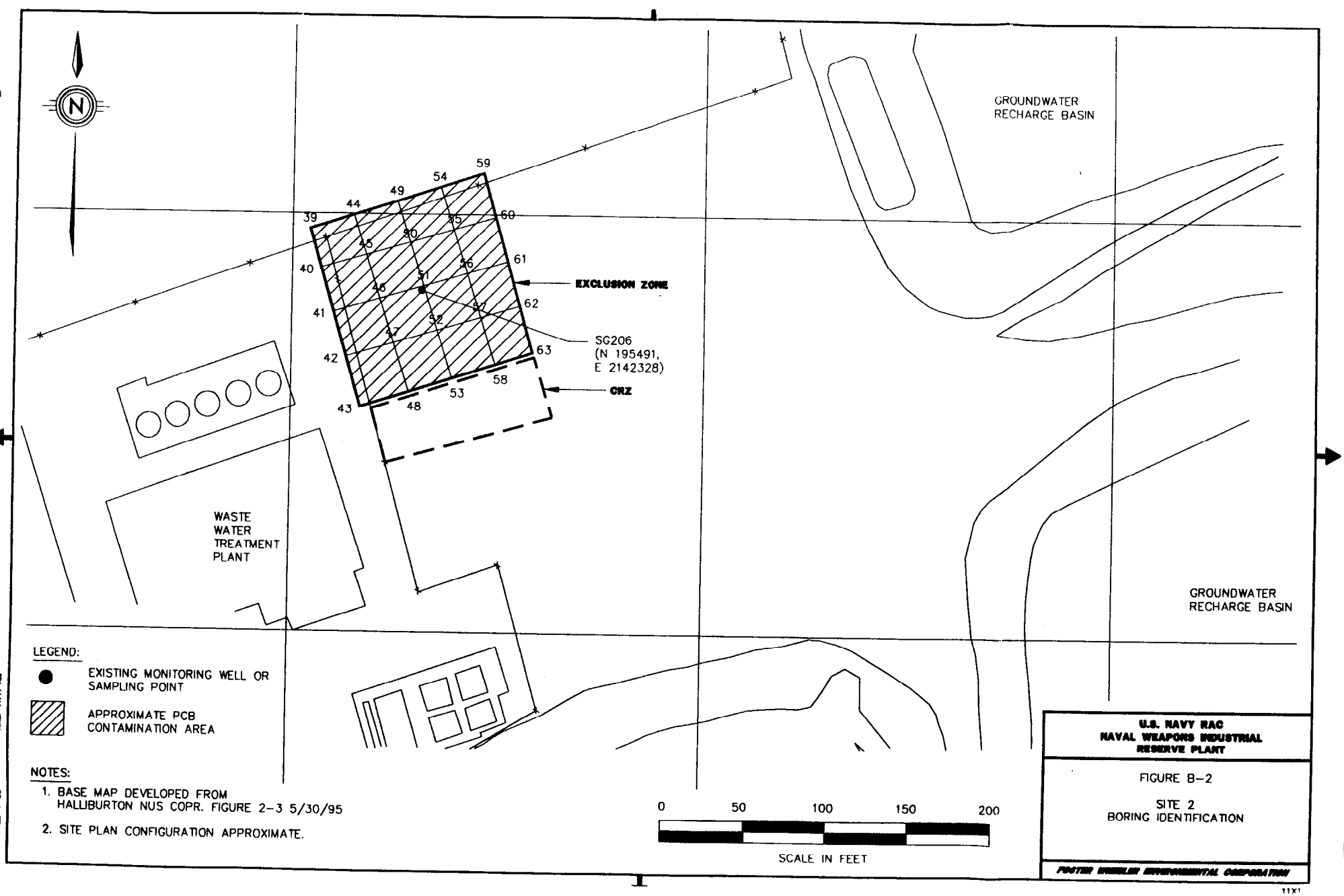
41 Designated Boring Number

Cell Containing Contaminated Soil to be Excavated (27.5'x4')

Cell Containing Potentially Contaminated Soil to be Excavated (27.5 x 4')

Note: Each cross section is 27.5' deep.


N
SUPPORT ZONE
CRZ
PROPERTY LINE
EXCLUSION ZONE
HN27I1
(N 194769,
E 2142770)
1B
SG5
(N 194730,
E 2142550)
1C
SG119
(N 194633,
E 2142813)
1A
SG121
(N 194517,
E 2142796)
SS2
(N 194413,
E 2142995)
1D
SS1
(N 194344,
E 2142880)
HN29S
(N 194240,
E 2142747)
N 194750
N 194500
N 194250
LEGEND:
EXISTING MONITORING WELL OR SAMPLING POINT
APPROXIMATE PCB CONTAMINATION AREA
APPROXIMATE ARSENIC CONTAMINATION AREA
NOTES:
1. BASE MAP DEVELOPED FROM HALLIBURTON NUS COPR. FIGURE 2-2 5/30/95
2. SITE PLAN CONFIGURATION APPROXIMATE.
0 100 200 300 400
SCALE IN FEET
U.S. NAVY RAC
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT
FIGURE B-1
SITE 1
BORING IDENTIFICATION
FOSTER WHEELER ENVIRONMENTAL CORPORATION
11X17


N
GROUNDWATER
RECHARGE BASIN
59
54
49
44
39
60
55
50
45
40
61
56
51
46
41
62
57
52
47
42
63
58
53
48
43
EXCLUSION ZONE
SG206
(N 195491,
E 2142328)
CRZ
WASTE
WATER
TREATMENT
PLANT
GROUNDWATER
RECHARGE BASIN
LEGEND:
EXISTING MONITORING WELL OR SAMPLING POINT
APPROXIMATE PCB CONTAMINATION AREA
NOTES:
1. BASE MAP DEVELOPED FROM HALLIBURTON NUS COPR. FIGURE 2-3 5/30/95
2. SITE PLAN CONFIGURATION APPROXIMATE.
0
50
100
150
200
SCALE IN FEET
U.S. NAVY RAC
NAVAL WEAPONS INDUSTRIAL
RESERVE PLANT
FIGURE B-2
SITE 2
BORING IDENTIFICATION
FOSTER WHEELER ENVIRONMENTAL CORPORATION
11X1