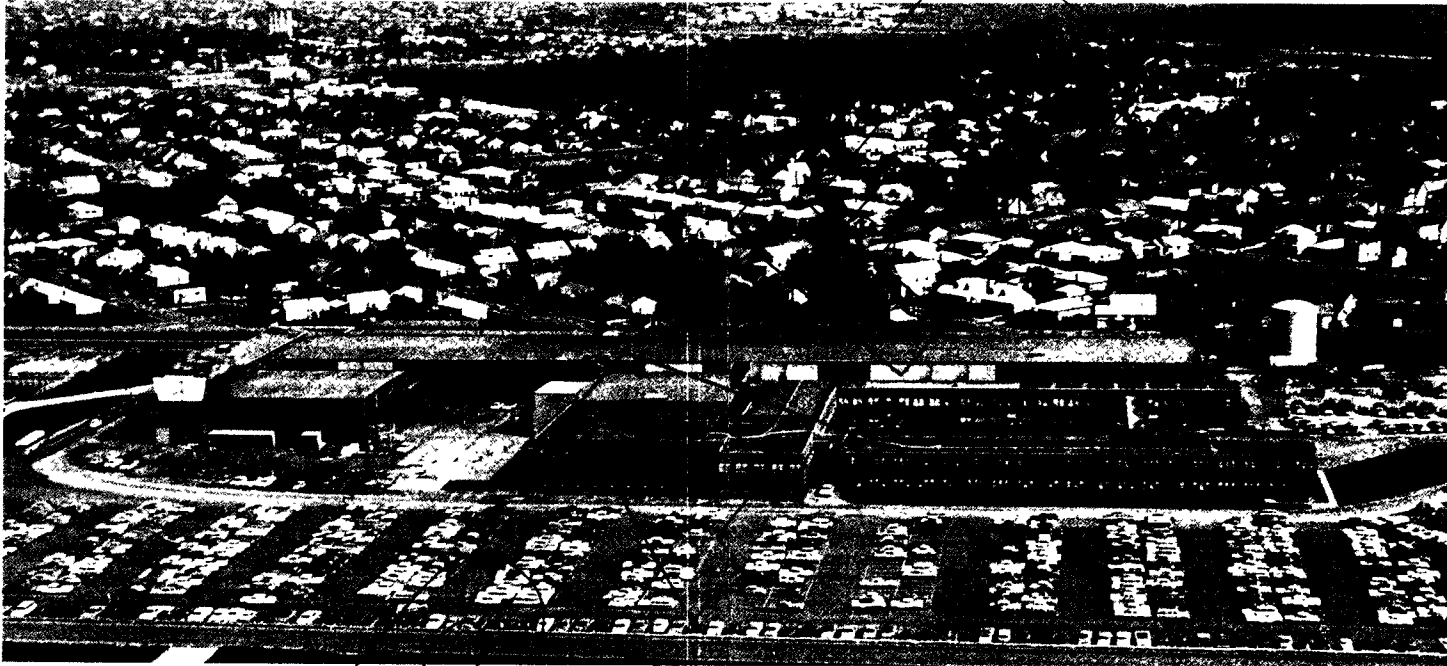


# ***NORTHROP GRUMMAN***

BETHPAGE FACILITY



## ***PHASE II SITE ASSESSMENT - PLANT 1***

MAY 2001



**Dvirka and Bartilucci**  
CONSULTING ENGINEERS

A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

**PHASE II SITE ASSESSMENT  
PLANT 1**

*Prepared For:*

**NORTHROP GRUMMAN CORPORATION  
BETHPAGE, NEW YORK**

*Prepared By:*

**DVIRKA AND BARTILUCCI CONSULTING ENGINEERS  
WOODBURY, NEW YORK**

**MAY 2001**

**NORTHROP GRUMMAN CORPORATION  
PHASE II SITE ASSESSMENT  
PLANT 1  
BETHPAGE, NEW YORK**

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## Section 1



## 1.0 INTRODUCTION

This document presents the results of the Phase II Site Assessment undertaken for the Northrop Grumman Corporation (NGC) property known as Plant 1, located on the southwest of the Long Island Rail Road (LIRR) tracks and northwest of Sheridan Avenue in Bethpage, in Bethpage, New York. A site location map and site plan are presented on Figures 1-1 and 1-2, respectively. The Plant 1 parcel (Tax I.D. Number: Section 46, Block 323, Lot 15) consists of the irregularly shaped area shown on Figure 1-2. The area is currently owned by NGC and comprises a total of approximately 22.5 acres.

The site is located within an area zoned "Industrial." Areas northwest and west are also zoned "Industrial," while areas immediately northeast, east and southeast are predominantly zoned residential. In 1995, the Town of Oyster Bay rezoned the parcel of land immediately southwest of the Plant 1 property from an "H" Industrial District Zone to "S-2" or Golden Age District. Further southwest, commercial zoning is found along Central Avenue. For the purpose of this report, the property line, which runs parallel to the LIRR tracks, will be referred to as "north" when discussing the location of on-site structures.

The majority of the site is paved and/or occupied by structures. The topography of the site is generally level and is approximately 110 feet above mean sea level with depth to groundwater approximately 45 feet below grade. There are storm water catch basins located throughout the site, and the direction of surface drainage varies with location. The Soil Conservation Service (SCS) classifies the majority of the soils on-site as Urban Land, as shown in the Nassau County Soil Survey (1987 edition). Urban Land is defined as an area with at least 85 percent asphalt, concrete or other impervious building material, with most of the remaining small areas of soil being well drained Riverhead, Hempstead or Enfield soils, or excessively drained Udipsaments. The Nassau County Soil Survey indicates that most areas of Urban Land are nearly level or gently sloping. The remaining portion of the site is identified as Urban Land - Riverhead complex, which is a combination of urbanized areas and very deep, well-drained Riverhead soils.

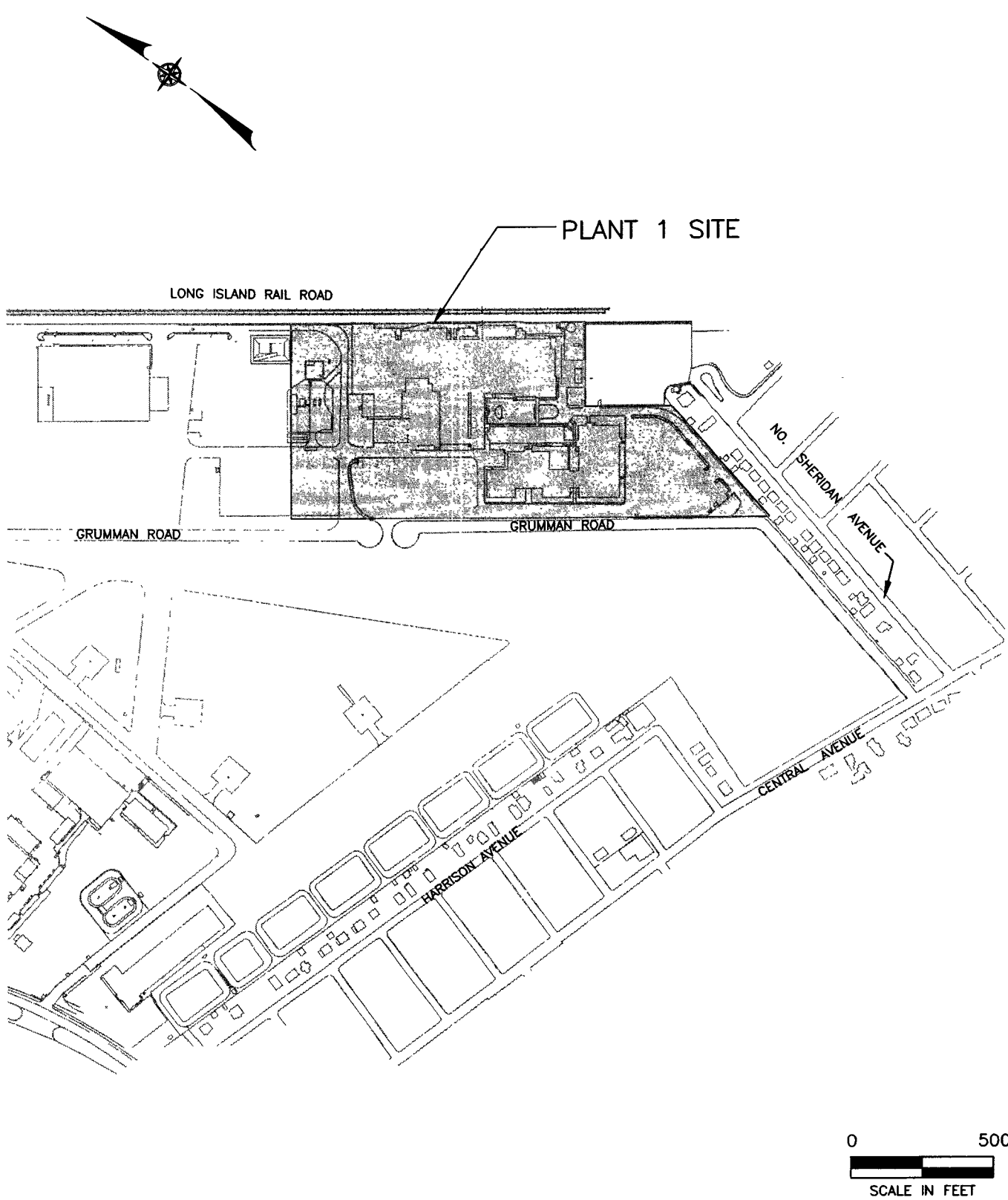
The results of the 1999 Phase I Site Assessment at Plant 1 were used to identify potential areas of environmental concern (AOCs) both inside and outside of the building. The Plant 1 AOCs requiring investigation as part of the United States Environmental Protection Agency (USEPA) Underground Injection Control (UIC) Program are documented under a separate Phase II Site Assessment entitled "UIC Phase II Site Assessment - Plant 1," dated June 2001 which was prepared by Dvirka and Bartilucci Consulting Engineers (D&B). This Phase II Site Assessment documents the investigation activities and findings for AOCs that were determined not to be regulated by the USEPA UIC Program based on the design and status (i.e., previously closed) of the structures associated with each AOC.

This Phase II Site Assessment was conducted in four phases. The results from the first phase of sampling and analysis were used to identify those areas where additional investigation was warranted. The supplemental investigation and delineation sampling and analysis was performed during three subsequent phases of the project.

Section 2 of this document describes the scope of work and field program which was performed during September 2000 through March 2001. The findings of the Phase II Site Assessment, on an AOC-by-AOC basis, are described in Section 3. Section 4 provides conclusions and recommendations regarding the program.

Supporting data related to the Phase II Site Assessment program at Plant 1 are presented in appendices to this document. Geophysical surveys performed as part of the Phase II Site Assessment are included in Appendix A. Logs for the Phase II Site Assessment soil borings are included in Appendix B and tables summarizing the analytical results of samples collected during the Phase II Site Assessment are included in Appendix C.

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NORTHROP GRUMMAN CORPORATION  
BETHPAGE, NEW YORK  
PLANT 1



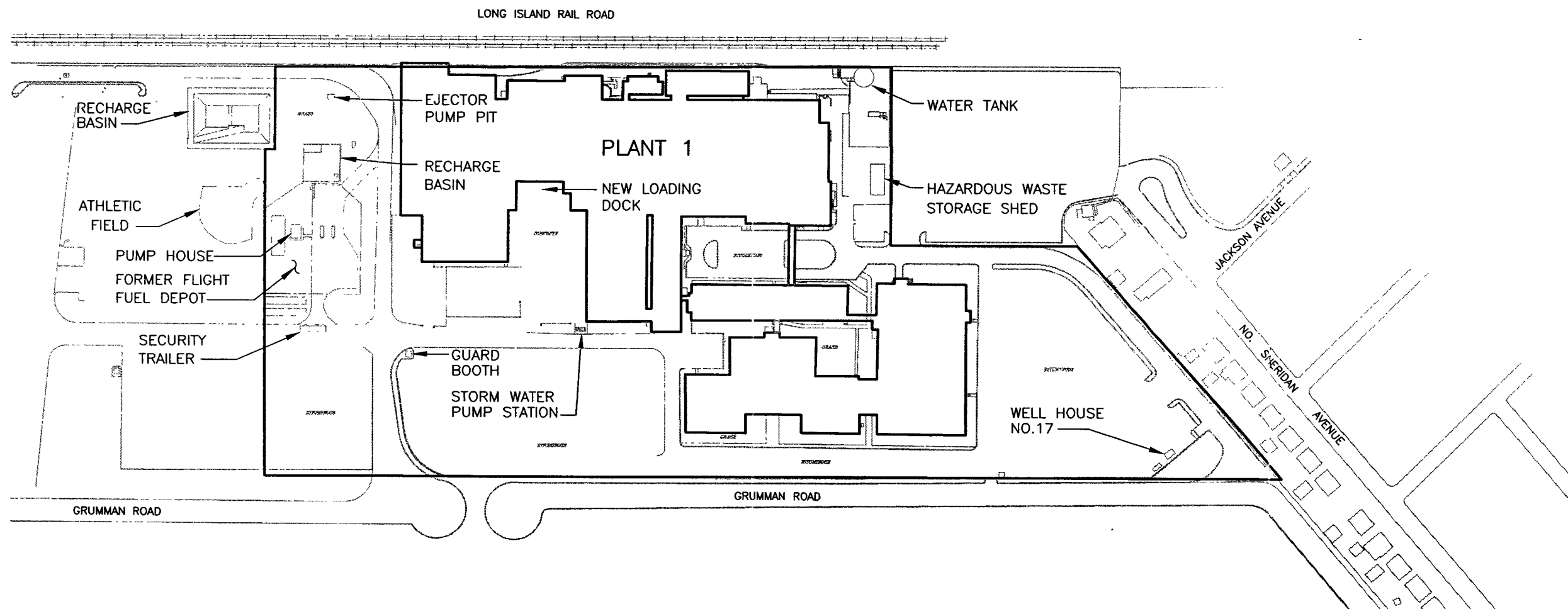
Dvirka and Bartilucci  
Consulting Engineers  
A Division of William F. Cosulich Associates, P.C.

# SITE LOCATION MAP

FIGURE 1-1



TRUE NORTH  
SITE NORTH



0 200  
SCALE IN FEET

NORTHROP GRUMMAN CORPORATION  
BETHPAGE NEW YORK  
PLANT 1

# SITE PLAN

## Section 2



## **2.0 SCOPE OF WORK AND FIELD ACTIVITIES**

### **2.1 Scope of Work**

The results of the Phase I Site Assessment at Plant 1 were used to identify potential AOCs both within the interior and exterior of the building. As discussed in Section 1, this report addresses only those AOCs that were determined not to be regulated by the USEPA UIC Program. The AOCs investigated as part of this Phase II Site Assessment are shown on Figures 2-1 (interior areas) and 2-2 (exterior areas) and are summarized in Tables 2-1 (interior areas) and 2-2 (exterior areas). The information in these tables includes the AOC designation, the number of borings and samples completed for each AOC, and the analytical parameters for each sample. The interior and exterior programs were conducted concurrently. Interior and exterior sample locations are shown on Figures 2-3 and 2-4, respectively.

### **2.2 Field Program**

This section provides a description of the field activities conducted as part of the Phase II Site Assessment at the Plant 1 site. Work performed during the Phase II Site Assessment included geophysical surveys and collection and analysis of soil and groundwater samples. Descriptions of the procedures used during these activities are included in Sections 2.2.1 (Geophysical Surveys), 2.2.2 (Soil Sampling), and 2.2.3 (Groundwater Monitoring Well Installation and Sampling).

#### **2.2.1 Geophysical Surveys**

In order to locate former structures and sample locations at eleven potential AOCs, NAEVA Geophysics Inc. (NAEVA) of Tappan, New York was subcontracted to perform geophysical surveys. Ground penetrating radar (GPR) techniques and an electromagnetic metal-detector were used to perform the geophysical surveys. The areas investigated by NAEVA are summarized below:

**TABLE 2-1**  
**NORTHROP GRUMMAN CORPORATION**  
**PLANT 1**  
**PHASE II SITE ASSESSMENT FIELD ACTIVITIES**  
**BUILDING INTERIOR**

AOC No.	Area of Environmental Concern	Soil Boring/Probe ID No.	Soil Sampling Interval (depth bgs)	Soil Borings			Soil Probes		No. of Samples and Analyses*							Comments
				No. of HSA Borings	No. of Split Spoon Soil Samples	Total Footage	No. of Soil Probes	No. of Soil Probe Samples	1. RCRA Metals	2. VOCs	3. SVOCs	4. TCLP STARS	5. PCBs	6. Glycols	7. Pests/Herbs	
I02	Former Paint Spray Room	I02 B01	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was the room.
I03	Former Paint Storage Room	I03 B01	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was the room.
I04	Former Storage Building Former Dry Wells	I04 B01	8' - 10'	--	--	--	1	1	1	1	1	--	1	--	--	No remaining evidence of pool. AOC located directly under a support column. Boring placed within 5' of AOC.
		I04 B02	--	--	--	--	--	--	--	--	--	--	--	--	--	No remaining evidence of pool. This pool is shared by I4 and I5. Therefore, this pool was targeted under I05-B01.
I05	Former Dry Well Area	I05 B01	8' - 10', 20'-22'	--	--	--	1	7	2	2	2	--	2	--	--	Pool was backfilled. This pool is shared by I4 and I5.
		E43 B02	6' - 8', 14'-16'	--	--	--	1	5	2	2	2	--	2	--	--	No remaining evidence of pool. Actually located in an exterior location. This boring was also targeted immediately adjacent E43 B02.
I06	Former Paint Shop	I06 B01	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was the room.
		I06 B02	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was the room.
I07	Former Paint Tunnel	I07 B01	3' - 5', 5'-7'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a concrete sump that discharged to an AST.
		I07 B01N8	3' - 5', 5'-7'	--	--	--	1	2	2	--	--	--	--	--	--	Boring 8' N of sump, which formerly discharged to an AST.
		I07 B01S8	3' - 5', 5'-7'	--	--	--	1	2	2	--	--	--	--	--	--	Boring 8' S of sump, which formerly discharged to an AST.
		I07 B01W5	3' - 5', 5'-7'	--	--	--	1	2	2	--	--	--	--	--	--	Boring 5' W of sump, which formerly discharged to an AST.
		I07 B01E8	5'-7'	--	--	--	1	2	1	--	--	--	--	--	--	Boring 8' E of sump, which formerly discharged to an AST.
		I07 B02	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a concrete "tunnel".
		I07 B03	5' - 7', 7'-9'	--	--	--	1	2	2	2	2	--	--	--	--	Boring added to program based on the identification of a former north-south backfilled concrete trench.
I08	Boiler Room Former Dry Well	I08 B01	2' - 4', 9'-11'	--	--	--	1	5	2	2	2	--	2	--	--	No remaining evidence of dry well.
I09	Former Hammer Shop	I09 B01	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was the room.
I10	Paint Shop Former Dry Well	I10 B01	4' - 6', 10'-12'	--	--	--	1	5	2	2	2	--	2	--	--	No remaining evidence of dry well.
I11	Former Paint Shop Booths and Paint Tunnel	I11 B01	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was the room.
		I11 B02	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was the room.
		I11 B03	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was the room.
		I11 B04	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was the room.
		I11 B05	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was the room.
		I11 B06	0' - 2', 2'-4' (1)	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a concrete pit. Added to program based on the visual identification of this structure as being associated with a paint curtain.
		I11 B07	1.5'-3.5', 3.5'-5.5' (1)	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a concrete pit.
I12	Former Alodine Room	I12 B01	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was the room.
		I12 B02	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was the room.
		I12 B03	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was the room.
		I12 B04	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was the room.
		I12 B05	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was the room.

TABLE 2-1  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
PHASE II SITE ASSESSMENT FIELD ACTIVITIES  
BUILDING INTERIOR

AOC No.	Area of Environmental Concern	Soil Boring/Probe ID No.	Soil Sampling Interval (depth bgs)	Soil Borings			Soil Probes		No. of Samples and Analyses*							Comments
				No. of HSA Borings	No. of Split Spoon Soil Samples	Total Footage	No. of Soil Probes	No. of Soil Probe Samples	1. RCRA Metals	2. VOCs	3. SVOCs	4. TCLP STARS	5. PCBs	6. Glycols	7. Pests/Herbs	
I13	Former Downspout Dry Wells	I13 B01	2' - 4', 8'-9'	--	--	--	1	4	2	2	2	--	2	--	--	No remaining evidence of dry well. Located in cafeteria
		I13 B02	2' - 4', 6'-7'	--	--	--	1	5	2	2	2	--	2	--	--	No remaining evidence of dry well.
I14	Five Former Leaching Pools	B01	--	--	--	--	--	--	--	--	--	--	--	--	--	Located under PROM building. Not technically feasible due to targeted depth. Removed from sampling program.
		B02	--	--	--	--	--	--	--	--	--	--	--	--	--	Located under PROM building. Not technically feasible due to targeted depth. Removed from sampling program.
		B03	--	--	--	--	--	--	--	--	--	--	--	--	--	Located under PROM building. Not technically feasible due to targeted depth. Removed from sampling program.
		B04	--	--	--	--	--	--	--	--	--	--	--	--	--	Located under PROM building. Not technically feasible due to targeted depth. Removed from sampling program.
		B05	--	--	--	--	--	--	--	--	--	--	--	--	--	Located under PROM building. Not technically feasible due to targeted depth. Removed from sampling program.
I15	Expansion of Leaching Pools at AOC I15	B01	--	--	--	--	--	--	--	--	--	--	--	--	--	Located under PROM building. Not technically feasible due to targeted depth. Removed from sampling program.
		B02	--	--	--	--	--	--	--	--	--	--	--	--	--	Located under PROM building. Not technically feasible due to targeted depth. Removed from sampling program.
		B03	--	--	--	--	--	--	--	--	--	--	--	--	--	Located under PROM building. Not technically feasible due to targeted depth. Removed from sampling program.
		B04	--	--	--	--	--	--	--	--	--	--	--	--	--	Located under PROM building. Not technically feasible due to targeted depth. Removed from sampling program.
I16	Former Heat Treat Room	I16 B01	--	--	--	--	--	--	--	--	--	--	--	--	--	Refusal - could not collect samples. Also targeted with I16-B02.
		I16 B02	1'-3', 3.5'-5.5', 5.5'-7.5' (1)	--	--	--	1	3	3	3	3	--	3	--	--	Targeted AOC was a concrete pit. Refusal encountered at 3' bgs during first attempt. Second attempt was made where samples were collected below pit bottom.
I17	Former Paint Mixing Room	I17 B01	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was the room.
		I17 B02	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was the room.
I18	RHIC Magnet Utility Trenches	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inspection did not reveal compromised integrity. No samples collected.
I19	Material Stock Room	I19 B01	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was the room.
I21	Five Former Machine Pits	I21 B01	2' -4', 4'-6'	--	--	--	2	4	2	2	2	--	--	--	--	Targeted AOC was a previously backfilled concrete pit.
		I21 B02	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a previously backfilled concrete pit.
		I21 B03	5' - 7', 7'-9'	--	--	--	2	2	2	2	2	--	--	--	--	Targeted AOC was a previously backfilled concrete pit.
		I21 B04	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a previously backfilled concrete pit.
		I21 B05	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a previously backfilled concrete pit.
I22	Former Tanks in Former RHIC Magnet Area	B01	--	--	--	--	--	--	--	--	--	--	--	--	--	According to NGC, USTs never existed in this area. Boring eliminated in consultation w/ NGC.
		B02	--	--	--	--	--	--	--	--	--	--	--	--	--	According to NGC, USTs never existed in this area. Boring eliminated in consultation w/ NGC.
		B03	--	--	--	--	--	--	--	--	--	--	--	--	--	According to NGC, USTs never existed in this area. Boring eliminated in consultation w/ NGC.
I23	Pump Station "B"	I23 B01	0'-2, 2'-4' (1)	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a sump with a concrete bottom. Required NGC removal of standing water.
I24	Floor Drains, Slop Sinks, Trench Drains and Pits/Sumps	--	--	--	--	--	--	--	--	--	--	--	--	--	--	The discharge point of drainage features are documented in a separate report entitled "Discharge Determination Report - Plant 1", dated May 2001.

**TABLE 2-1**  
**NORTHROP GRUMMAN CORPORATION**  
**PLANT 1**  
**PHASE II SITE ASSESSMENT FIELD ACTIVITIES**  
**BUILDING INTERIOR**

AOC No.	Area of Environmental Concern	Soil Boring/Probe ID No.	Soil Sampling Interval (depth bgs)	Soil Borings			Soil Probes		No. of Samples and Analyses*							Comments
				No. of HSA Borings	No. of Split Spoon Soil Samples	Total Footage	No. of Soil Probes	No. of Soil Probe Samples	1. RCRA Metals	2. VOCs	3. SVOCs	4. TCLP STARS	5. PCBs	6. Glycols	7. Pests/Herbs	
I25	Wood Block Flooring	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
I26	Hallway Adjacent to Former Alodine Room	I26 B01	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was a concrete trench (solid bottom).
		I26 B02	1.5'-3.5', 3.5'-5.5'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was a concrete trench (solid bottom).
I28	Air Handling Unit Room	I28 B01	2' -4', 4'-6'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a solid bottom sump within a concrete pit.
I30	Former Storage Building	I30 B01	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was a room.
		I30 B02	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was a room.
		I30 B03	1' - 3', 3'-5'	--	--	--	1	4	2	2	2	--	2	--	--	Targeted AOC was a room.
		I30 B03N8	1'-3', 3'-5'	--	--	--	1	2	--	--	2	--	--	--	--	Boring located 8' N of initial boring.
		I30 B03S8	1'-3', 3'-5'	--	--	--	1	2	--	--	2	--	--	--	--	Boring located 8' S of initial boring.
		I30 B03W8	1'-3', 3'-5'	--	--	--	1	2	--	--	2	--	--	--	--	Boring located 8' W of initial boring.
		I30 B03E8	1'-3', 3'-5'	--	--	--	1	2	--	--	2	--	--	--	--	Boring located 8' E of initial boring.
		I30 B03S12	0'-2', 4'-6', 8'-10'	--	--	--	1	5	--	--	3	--	--	--	--	Boring located 12' S of initial boring.
		I30 B03W12	0'-2', 4'-6', 8'-10'	--	--	--	1	5	--	--	3	--	--	--	--	Boring located 12' W of initial boring.
		I30 B03E12	0'-2', 4'-6', 8'-10'	--	--	--	1	5	--	--	3	--	--	--	--	Boring located 12' E of initial boring.
		I30 B04	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was a room.
		I30 B05	6'-8', 8'-10'	--	--	--	2	22	2	2	2	--	2	--	--	Targeted AOC was a room.
		I30 B06	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was a room.
		I30 B07	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was area potentially subject to former surface releases. Added to program based on discovery of machine shop sloop sink discharge to grade.
I31	Refrigeration/Air Conditioning Room	I31 B01	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a room.
		I31 B02	2' - 4', 4'-6'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a room.
I32	Hangar 1	I32 B01	1'-3', 3'-5'	--	--	--	2	2	2	2	2	--	2	2	2	Targeted AOC was a room.
		I32 B02	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	2	2	2	Targeted AOC was a room.
		I32 B03	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	2	2	2	Targeted AOC was a room.
		I32 B04	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	2	2	2	Targeted AOC was a room.
I33	Storage Area in Office Area East of Hangar 2	I33 B01	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a room.
I34	"Old" Ejection Pits	I34 B01	4' - 6', 6'-8'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was a concrete pit (solid bottom) in a weight room.
		I34 B02	2' - 6'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was a concrete pit (solid bottom) in a utility room.
		I34 B03	--	--	--	--	--	--	--	--	--	--	--	--	--	Boring removed from program - deemed unnecessary (AOC was an aboveground "tub"). This boring was transferred to I38.
I35	Transformer Rooms	I35 B01	1'-3', 3'-5'	--	--	--	1	2	--	--	--	--	2	--	--	Targeted AOC was a room.
		I35 B02	1'-3', 3'-5'	--	--	--	1	2	--	--	--	--	2	--	--	Targeted AOC was a room.

**TABLE 2-1**  
**NORTHROP GRUMMAN CORPORATION**  
**PLANT 1**  
**PHASE II SITE ASSESSMENT FIELD ACTIVITIES**  
**BUILDING INTERIOR**

AOC No.	Area of Environmental Concern	Soil Boring/Probe ID No.	Soil Sampling Interval (depth bgs)	Soil Borings			Soil Probes		No. of Samples and Analyses*							Comments
				No. of HSA Borings	No. of Split Spoon Soil Samples	Total Footage	No. of Soil Probes	No. of Soil Probe Samples	1. RCRA Metals	2. VOCs	3. SVOCs	4. TCLP STARS	5. PCBs	6. Glycols	7. Pests/Herbs	
136	Former Router Room	136 B01	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a room.
		136 B02	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a room.
137	Machine Shop (previously referred to as Former Upholstery Room)	137 B01	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a room.
137	Machine Shop (previously referred to as Former Upholstery Room) (continued)	137 B02	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a room.
138	Boiler Room	138 B01	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a room.
		138 B02	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a room.
139	Former Facility Maintenance Area	139 B01	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a room.
		139 B02	1'-3', 3'-5'	--	--	--	2	2	2	2	2	--	--	--	--	Targeted AOC was a room.
140	Hangar 2	140 B01	2' - 4', 4'-6'	--	--	--	2	2	2	2	2	--	2	2	--	Targeted AOC was a room.
		140 B02	--	--	--	--	--	--	--	--	--	--	--	--	--	Targeted AOC was a room. Could not penetrate concrete w/ portable equipment (inaccessible w/ truck). Technically not practical.
		140 B03	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	2	2	--	Targeted AOC was a room.
		140 B04	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	2	2	--	Targeted AOC was a room.
		140 B05	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	2	2	--	Targeted AOC was a room.
		140 B06	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	2	2	--	Targeted AOC was a room.
141	Random Locations of Historic Manufacturing Operations	141 B01	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was a room. Placed in location of former "Hydraulics" area (in vicinity of column H3 and H4).
		141 B02	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was a room. Placed in location of former "Drivmatic and Brake/Press Dept" (in vicinity of column E16).
		141 B03	1'-3', 3'-5'	--	--	--	4	4	2	2	2	--	2	--	--	Targeted AOC was a room. Placed in location of former "Drivmatic and Brake/Press Dept" (in vicinity of column E17).
		141 B04	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was a room. Placed in location of former "Shear, Saw and Router Dept" (in vicinity of column E26).
		141 B05	1'-3', 3'-5'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was a room. Placed in location of former "Bench/Layout Area Dept" (in vicinity of column E30 and E31).
		141 B06	--	--	--	--	--	--	--	--	--	--	--	--	--	No additional areas appeared to warrant further investigation.
		141 B07	--	--	--	--	--	--	--	--	--	--	--	--	--	No additional areas appeared to warrant further investigation.
		141 B08	--	--	--	--	--	--	--	--	--	--	--	--	--	No additional areas appeared to warrant further investigation.
		141 B09	--	--	--	--	--	--	--	--	--	--	--	--	--	No additional areas appeared to warrant further investigation.
		141 B10	--	--	--	--	--	--	--	--	--	--	--	--	--	No additional areas appeared to warrant further investigation.
142	Paint Shop Dry Well in Former Hammer Shop	142 B01	8' - 10'	--	--	--	1	2	2	2	2	--	2	--	--	No remaining evidence of dry well.

TABLE 2-1  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
PHASE II SITE ASSESSMENT FIELD ACTIVITIES  
BUILDING INTERIOR

AOC No.	Area of Environmental Concern	Soil Boring/Probe ID No.	Soil Sampling Interval (depth bgs)	Soil Borings			Soil Probes		No. of Samples and Analyses*							Comments
				No. of HSA Borings	No. of Split Spoon Soil Samples	Total Footage	No. of Soil Probes	No. of Soil Probe Samples	1. RCRA Metals	2. VOCs	3. SVOCs	4. TCLP STARS	5. PCBs	6. Glycols	7. Pests/Herbs	
I43	Dry Wells in Former Carpentry Shop	I43 B01	8' - 10', 14'-16'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a backfilled dry well.
		I43 B01A	10'-12', 12'-14'	--	--	--	1	2	2	--	--	--	--	--	--	Boring advanced within AOC (backfilled drywell).
		I43 B02	11'-13', 13'-15'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a backfilled dry well (void encountered 8'-11').
I43	Dry Wells in Former Carpentry Shop (continued)	I43 B02A	15'-17', 17'-19', 19'-21'	--	--	--	1	3	--	--	3	--	--	--	--	Boring advanced within AOC (backfilled drywell).
I44	Canopy Trim Fixture Drain Hole/Sump Pit	I44 B01	4' - 6', 6'-8'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was a concrete pit (solid floor). Pit floor is 4' 3" deep.
I45	Waste Collection Station Adjacent to Canopy Drain/Sump Pit	I45 B01	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC had a solid bottom.
I46	Former "Spot Weld Rinse Tank" (In vicinity of column E6)	I46 B01	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	--	--	--	--
I47	RHIC Magnet Pumping Units	I47 B01	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	--	--	--	--
		I47 B02	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	--	--	--	--
D17	Pit in Room Adjacent to South Side of Former Carpentry Shop	D17 B01	0'-2', 2'-4', 4'-6'	--	--	--	1	3	3	--	3	--	--	--	--	--

**\* Target Constituents/Analytical Methods**

1. RCRA Metals (Method 6010/7471)  
2. Volatile Organic Compounds (Method 8260) incl. those listed in STARS  
3. Semivolatile Organic Compounds (Method 8270) incl. those listed in STARS

4. STARS Table 2 VOCs and SVOCs by TCLP  
5. Polychlorinated Biphenyls (PCBs) (Method 8082)  
6. Select Glycols (Method 8015)

7. Pesticides and Herbicides (Methods 8081/8151)

**Notes:**

(1) Below bottom of sump, pit or trench  
--: Not applicable



TABLE 2-2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
PHASE II SITE ASSESSMENT FIELD ACTIVITIES  
BUILDING EXTERIOR

AOC No.	Area of Environmental Concern	Soil Boring/Probe ID No.	Soil Sampling Interval (depth bgs)	Soil Borings			Soil Probes		No. of Samples and Analyses*						GPR Survey	Comments
				No. of HSA Borings	No. of Split Spoon Soil Samples	Total Footage	No. of Soil Probe Setups	No. of Soil Probes	1. RCRA Metals	2. VOCs	3. SVOCs	4. TCLP STARS	5. PCBs	6. Glycols		
E01	Former Settling Tanks/Leaching Pools	E01 B01	14'-16', 20'-22'	--	--	--	1	5	2	2	2	--	2	--	■	Targeted AOC was a backfilled pool. AOC was located on and/or adjacent to LIPA markout. Closest "clear" adjacent area within 10' of AOC was targeted.
		E02 B02	12'-14', 20'-22'	--	--	--	1	5	2	2	2	--	2	--	■	Targeted AOC was a backfilled pool.
		E01 B03	12'-14', 20'-22'	--	--	--	1	5	2	2	2	--	2	--	■	Targeted AOC was a backfilled pool.
		E01 B04	12'-14', 20'-22'	--	--	--	1	5	2	2	2	--	2	--	■	Targeted AOC was a backfilled pool.
		E01 B05	12'-14', 18'-20'	--	--	--	1	5	2	2	2	--	2	--	■	Targeted AOC was a backfilled pool.
		E01 B06	12'-14', 20'-22'	1	6	22	--	--	2	2	2	--	2	--	■	Targeted AOC was a former Imhoff tank (solid bottom).
		E01 B07	12'-14', 20'-22'	1	6	22	--	--	2	2	2	--	2	--	■	Targeted AOC was a former Imhoff tank (solid bottom). Encountered refusal during first attempt with Geoprobe.
		E01 B08	18'-20', 24'-26'	1	6	26	--	--	2	2	2	--	2	--	■	Targeted AOC was a former Imhoff tank (solid bottom).
		E01 B09	16'-18', 24'-26'	1	5	26	--	--	2	2	2	--	2	--	■	Targeted AOC was a former Imhoff tank (solid bottom).
		E01 B10	--	--	--	--	--	--	--	--	--	--	--	--	■	Added to program based on GPR findings. Located on and/or adjacent to LIPA markout. Could not locate any "clear" areas within 10' of AOC. Deemed not technically practical.
		E01 B11	12'-14', 20'-22'	--	--	--	1	5	2	2	2	--	2	--	■	Targeted AOC was a backfilled pool. Added to program based on GPR findings.
		E01 B12	12'-14', 20'-22'	--	--	--	1	5	2	2	2	--	2	--	■	Targeted AOC was a backfilled pool. Added to program based on GPR findings.
		E01 B13	12'-14', 20'-22'	--	--	--	1	5	2	2	2	--	2	--	■	Targeted AOC was a backfilled pool. Added to program based on GPR findings.
		E01 B14	12'-14', 18'-20'	--	--	--	1	5	2	2	2	--	2	--	■	Targeted AOC was a backfilled pool. Added to program based on GPR findings.
E02	Six Former Leaching Pools	E02 B01	12'-14', 20'-22'	1	6	22	--	--	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.
		E02 B02	6' - 8', 14'-16'	1	5	16	--	--	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.
		E02 B03	12'-14', 20'-22'	1	6	22	--	--	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.
		E02 B04	12'-14', 24'-26'	1	9	26	--	--	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.
		E02 B05	--	--	--	--	--	--	--	--	--	--	--	--	■	Located on and/or adjacent to LIPA markout. Could not locate any "clear" areas within 10' of AOC. Deemed not technically practical.
		E02 B06	--	--	--	--	--	--	--	--	--	--	--	--	■	Located on and/or adjacent to LIPA markout. Could not locate any "clear" areas within 10' of AOC. Deemed not technically practical.
E03	Former Heat Treat Drainage Wells	E03 B01	16' - 18', 22'-24'	--	--	--	2	9	2	2	2	--	2	--	■	Targeted AOC was a backfilled pool.
		E03 B02	14' - 16', 20'-22'	--	--	--	1	8	2	2	2	--	2	--	■	Targeted AOC was a backfilled pool.
E04	Former Dry Well	E04 B01	8' - 10', 18'-20'	--	--	--	1	6	2	2	2	--	--	--	■	GPR inconclusive. No remaining evidence of pool.
E06	Leaching Pool Area	E06 B01	10' -12', 20'-22'	1	7	22	--	--	2	2	2	--	--	--	■	No remaining evidence of pool.
		E06 B02	10' -12', 20'-22'	1	7	22	--	--	2	2	2	--	--	--	■	No remaining evidence of pool.
		E06 B03	10' -12', 20'-22'	1	7	22	--	--	2	2	2	--	--	--	■	No remaining evidence of pool.
		E06 B04	10' -12', 20'-22'	1	7	22	--	--	2	2	2	--	--	--	■	No remaining evidence of pool.
		E06 B05	3'-5', 12'-14'	1	6	16	--	--	2	2	2	--	--	--	■	Targeted AOC was backfilled (suspected distribution box).

**TABLE 2-2**  
**NORTHROP GRUMMAN CORPORATION**  
**PLANT 1**  
**PHASE II SITE ASSESSMENT FIELD ACTIVITIES**  
**BUILDING EXTERIOR**

AOC No.	Area of Environmental Concern	Soil Boring/Probe ID No.	Soil Sampling Interval (depth bgs)	Soil Borings			Soil Probes		No. of Samples and Analyses*						GPR Survey	Comments
				No. of HSA Borings	No. of Split Spoon Soil Samples	Total Footage	No. of Soil Probe Setups	No. of Soil Probes	1. RCRA Metals	2. VOCs	3. SVOCs	4. TCLP STARS	5. PCBs	6. Glycols		
E06	Leaching Pool Area (continued)	E06 B06	8' - 10', 16'-18'	--	--	--	1	5	2	2	2	--	--	--	■	Targeted AOC was backfilled (suspected distribution box).
		E06 B09	10' -12', 20'-22'	--	--	--	1	7	2	2	2	--	--	--	■	No remaining evidence of pool. Targeted AOC located inside building.
		E06 B10	--	--	--	--	--	--	--	--	--	--	--	--	■	Not technically feasible due to targeted depth, located inside building.
		E06 B11	--	--	--	--	--	--	--	--	--	--	--	--	■	Not technically feasible due to targeted depth, located inside building.
		E06 B12	--	--	--	--	--	--	--	--	--	--	--	--	■	Not technically feasible due to targeted depth, located inside building.
		E06 B13	--	--	--	--	--	--	--	--	--	--	--	--	■	Not technically feasible due to targeted depth, located inside building.
E07	Nine Leaching Pools	E07 B01	14' -16', 18'-20'	1	5	20	--	--	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.
		E07 B02	12' -14', 16'-18'	1	5	20	--	--	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.
		E07 B03	11' -13', 19'-21'	1	5	21	--	--	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.
		E07 B04	11' -13', 19'-21'	1	5	21	--	--	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.
		E07 B05	15' -17', 19'-21'	1	5	21	--	--	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.
		E07 B06	11' -13', 19'-21'	1	5	21	--	--	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.
		E07 B07	11' -13', 19'-21'	1	5	21	--	--	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.
		E07 B09	11' -13', 19'-21'	1	5	21	--	--	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.
		E07 B10	11' -13', 19'-21'	1	5	21	--	--	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool. Added to program based on GPR findings.
		E07 B11	11' -13', 19'-21'	1	5	21	--	--	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool. Added to program based on GPR findings.
		E07 B12	11' -13', 19'-21'	1	5	21	--	--	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool. Added to program based on GPR findings.
		E07 B13	11' -13', 19'-21'	1	5	21	--	--	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool. Added to program based on GPR findings.
		E07 B14	9' - 11', 18'-20'	1	5	15	--	--	2	2	2	--	--	--	■	Targeted AOC was a suspected distribution box (previously backfilled). Added to program based on GPR findings.
E08	Former Leaching Field with Twenty Leaching Pools	E08 B01	6' - 8', 14'-16'	1	5	16	--	--	2	2	2	--	--	--	■	No remaining evidence of pool.
		E08 B02	6' - 8', 14'-16'	1	5	16	--	--	2	2	2	--	--	--	■	No remaining evidence of pool.
		E08 B03	8' - 10', 14'-16'	1	5	16	--	--	2	2	2	--	--	--	■	No remaining evidence of pool.
		E08 B04	10' - 12', 14'-16'	1	5	16	--	--	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.
		E08 B05	14' - 16', 22'-24'	1	7	24	--	--	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.
		E08 B06	8' - 10', 14'-16'	1	5	16	--	--	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.
		E08 B07	8' - 10', 14'-16'	1	5	16	--	--	2	2	2	--	--	--	■	No remaining evidence of pool.
		E08 B08	10' - 12', 20'-22'	--	--	--	1	8	2	2	2	--	--	--	■	No remaining evidence of pool.
		E08 B09	10' - 12', 20'-22'	--	--	--	1	8	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.
		E08 B10	8' - 10', 16'-18'	--	--	--	1	6	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.
		E08 B11	6' - 8', 14'-16'	--	--	--	1	5	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.

TABLE 2-2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
PHASE II SITE ASSESSMENT FIELD ACTIVITIES  
BUILDING EXTERIOR

AOC No.	Area of Environmental Concern	Soil Boring/Probe ID No.	Soil Sampling Interval (depth bgs)	Soil Borings			Soil Probes		No. of Samples and Analyses*						GPR Survey	Comments
				No. of HSA Borings	No. of Split Spoon Soil Samples	Total Footage	No. of Soil Probe Setups	No. of Soil Probes	1. RCRA Metals	2. VOCs	3. SVOCs	4. TCLP STARS	5. PCBs	6. Glycols		
E08	Former Leaching Field with Twenty Leaching Pools (continued)	E08 B12	12' - 14', 18'-20'	--	--	--	1	7	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.
		E08 B14	8' - 10', 16'-18'	--	--	--	1	6	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool.
		E08 B15	--	--	--	--	--	--	--	--	--	--	--	--	■	Not technically feasible, located in office area.
		E08 B16	--	--	--	--	--	--	--	--	--	--	--	--	■	Not technically feasible, located in office area.
		E08 B17	--	--	--	--	--	--	--	--	--	--	--	--	■	Not technically feasible, located in office area.
		E08 B18	--	--	--	--	--	--	--	--	--	--	--	--	■	Not technically feasible, located in office area.
		E08 B19	--	--	--	--	--	--	--	--	--	--	--	--	■	Not technically feasible, located in office area.
		E08 B20	--	--	--	--	--	--	--	--	--	--	--	--	■	No. technically feasible, located in office area.
E09	Former Coal Storage Bin	E09 B01	0' - 2', 6'-8'	--	--	--	1	4	2	--	2	--	--	--	--	--
E10	Seven Former Leaching Pools	E10 B01	13' - 15', 21'-23'	1	5	23	--	--	2	2	2	--	--	--	■	No remaining evidence of pool. Initially attempted with Geoprobe, but encountered refusal.
		E10 B02	11' - 13', 19'-21'	1	5	21	--	--	2	2	2	--	--	--	■	No remaining evidence of pool. Initially attempted with Geoprobe, but encountered refusal.
		E10 B03	12' - 14', 20'-22'	--	--	--	1	7	2	2	2	--	--	--	■	No remaining evidence of pool.
		E10 B04	11' - 13', 19'-21'	--	--	--	1	5	2	2	2	--	--	--	■	No remaining evidence of pool.
		E10 B05	10' - 12', 16'-18'	--	--	--	1	6	2	2	2	--	--	--	■	No remaining evidence of pool.
		E10 B06	10' - 12', 16'-18'	--	--	--	1	6	2	2	2	--	--	--	■	No remaining evidence of pool.
		E10 B08	6' - 10', 14'-16'	--	--	--	1	5	2	2	2	--	--	--	■	Targeted AOC was a backfilled pool. Added to program based on GPR findings. Encountered refusal in first attempt.
E12	Former Dry Well	E12 B01	10' - 12', 18'-20'	--	--	--	1	5	2	2	2	--	--	--	■	No remaining evidence of pool GPR inconclusive
E13	Former Drum Storage Area	E13 B01	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	2	--	--	--
		E13 B02	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	2	--	--	--
		E13B02N5	0' - 2', 2'-4'	--	--	--	1	2	--	--	2	--	--	--	--	Probe located 5' N of initial boring.
		E13B02S5	0' - 2', 2'-4'	--	--	--	1	2	--	--	2	--	--	--	--	Probe located 5' S of initial boring.
		E13B02W8	0' - 2', 2'-4'	--	--	--	1	2	--	--	2	--	--	--	--	Probe located 8' W of initial boring.
		E13B02E8	0' - 2', 2'-4'	--	--	--	1	2	--	--	2	--	--	--	--	Probe located 8' E of initial boring.
		E13B02NE10	0' - 2', 2'-4'	--	--	--	1	2	--	--	2	--	--	--	--	Probe located 10' NE of initial boring.
		E13B02NE20	0' - 2', 2'-4'	--	--	--	1	2	--	--	2	--	--	--	--	Probe located 20' S of initial boring.
		E13B02W12	0' - 2', 2'-4'	--	--	--	1	2	--	--	2	--	--	--	--	Probe located 12' W of initial boring.
		E13B02E12	0' - 2', 2'-4'	--	--	--	1	2	--	--	2	--	2	--	--	Probe located 12' E of initial boring.
E17	Ejector Pit	--	--	--	--	--	--	--	--	--	--	--	--	--	--	This area was investigated as part of AOC D15.
E18	Existing On-site Recharge Basin	E18 B01	0' - 2', 2'-4' (1)	--	--	--	1	2	2	2	2	--	2	--	--	--
		E18 B02	0' - 2', 2'-4' (1)	--	--	--	1	2	2	2	2	--	2	--	--	--

TABLE 2-2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
PHASE II SITE ASSESSMENT FIELD ACTIVITIES  
BUILDING EXTERIOR

AOC No.	Area of Environmental Concern	Soil Boring/Probe ID No.	Soil Sampling Interval (depth bgs)	Soil Borings			Soil Probes		No. of Samples and Analyses*						GPR Survey	Comments
				No. of HSA Borings	No. of Split Spoon Soil Samples	Total Footage	No. of Soil Probe Setups	No. of Soil Probes	1. RCRA Metals	2. VOCs	3. SVOCs	4. TCLP STARS	5. PCBs	6. Glycols		
E19	Former On-site Recharge Basin	E19 B01	8' - 10', 18'-20'	--	--	--	1	7	2	2	2	--	2	--	--	--
E20	Unidentified Pit	E20 B01	2' - 4', 4'-6'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was a concrete pit (solid bottom).
E21	Former AST and Salvage Area	E21 B01	0' - 2', 2'-4'	--	--	--	1	2	--	2	--	--	--	--	--	--
		E21 B02	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	2	--	--	--
		E21 B03	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	2	--	--	--
		E21 B04	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	2	--	--	--
		E21 B05	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	2	--	--	--
E22	Material Storage Area	E22 B01	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	2	2	--	--
		E22 B02	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	2	2	--	--
		E22 B03	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	2	2	--	--
		E22 B04	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	2	2	--	--
E23	Grated Dry Well	E23 B01	--	--	--	--	--	--	--	--	--	--	--	--	--	Targeted AOC was actually a trench (solid bottom). Encountered refusal. Could not achieve required depth of sampling intervals.
E25	Former Concrete Sump Pit	E25 B01	5'-7', 7'-9'	--	--	--	1	5	2	2	2	--	2	2	■	GPR inconclusive.
E26	Former Flight Fuel Depot	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NGC is addressing this AOC under a separate program.
E27	Location of Former Trichloroethylene Tank	E27 B01	1'-3', 3'-5'	--	--	--	1	2	--	2	--	--	--	--	--	--
E28	Boiler Room UST	--	--	--	--	--	--	--	--	--	--	--	--	--	■	GPR inconclusive (no need for UST closure program)
E29	Floor Drains Outside Former Facility Maint Area and Inside Pump House	--	--	--	--	--	--	--	--	--	--	--	--	--	--	The discharge point of drainage features are documented in a separate report entitled "Discharge Determination Report - Plant 1", dated May 2001
E30	Pump Station "A"	E30 B01	13'-15', 15'-17'	--	--	--	1	3	2	2	2	--	--	--	--	Targeted AOC was a backfilled sump beneath pedestrian bridge. Encountered refusal during first attempt at 13' bgs. Targeted adjacent location.
E32	Catch Basins (Vicinity of Pump House/Water Tank)	E32 B01	6' - 8', 8'-10'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was an active structure with solid bottom. Targeted adjacent location.
		E32 B02	6' - 8', 8'-10'	--	--	--	1	2	2	2	2	--	--	--	--	Targeted AOC was an active structure with solid bottom. Targeted adjacent location.
E33	Former Tank 1111 (Between Hangars 1 and 2)	E33 B01	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	--	--	--	--
E34	Courtyard Between Hangars 1 and 2	E34 B01	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	2	2	--	Targeted AOC was an area, as opposed to a structure.
		E34 B02	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	2	2	--	Targeted AOC was an area, as opposed to a structure.
		E34 B03	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	2	2	--	Targeted AOC was an area, as opposed to a structure.
		E34 B04	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	2	2	--	Targeted AOC was an area, as opposed to a structure.
E35	Area West of Hangar 1	E35 B01	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was an area, as opposed to a structure.
		E35 B02	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was an area, as opposed to a structure.
E36	Former Drainage Swale (N of Maint. Area)	E36 B01	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was an area, as opposed to a structure.

**TABLE 2-2**  
**NORTHROP GRUMMAN CORPORATION**  
**PLANT 1**  
**PHASE II SITE ASSESSMENT FIELD ACTIVITIES**  
**BUILDING EXTERIOR**

AOC No.	Area of Environmental Concern	Soil Boring/Probe ID No.	Soil Sampling Interval (depth bgs)	Soil Borings			Soil Probes		No. of Samples and Analyses*						GPR Survey	Comments
				No. of HSA Borings	No. of Split Spoon Soil Samples	Total Footage	No. of Soil Probe Setups	No. of Soil Probes	1. RCRA Metals	2. VOCs	3. SVOCs	4. TCLP STARS	5. PCBs	6. Glycols		
E36	Former Drainage Swale (N of Maint. Area) (continued)	E36 B02	1' - 3', 3'-5'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was an area, as opposed to a structure
E37	Former Discoloration (SE Parking Area)	E37 B01	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was an area, as opposed to a structure.
		E37 B02	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was an area, as opposed to a structure.
E38	Boiler Room Exterior Former Dry Well	E38 B01	10' - 12', 20'-22'	--	--	--	1	7	2	2	2	--	2	--	--	No remaining evidence of pool.
E39	Dry Well Outside Former Facility Maintenance Area	E39 B01	8' - 10', 20'-22'	--	--	--	1	5	2	2	2	--	2	--	--	No remaining evidence of pool.
E40	Distribution Pit in Transformer Area	E40 B01	--	--	--	--	--	--	--	--	--	--	--	--	--	Visual inspection of pit did not reveal presence of compromised integrity.
E41	Dry Well Outside Former Paint Tunnel	E41 B01	8' - 10', 18'-20'	--	--	--	1	7	2	2	2	--	2	--	--	No remaining evidence of pool.
E42	Unidentified Pit Outside Boiler Room	E42 B01	3' - 5', 5'-7'	--	--	--	1	2	2	2	2	--	2	--	--	Targeted AOC was a concrete pit (solid bottom).
E43	Former 2,000 Gal Gas USTs (4) South of Refrig/AC Room	E43 B01	6' - 8', 14'-16'	--	--	--	1	5	2	2	2	--	--	--	--	--
		E43 B02	--	--	--	--	--	--	--	--	--	--	--	--	--	AOC targeted under 15 E43B02 due to close proximity.
E44	Former Gas Pump House S of Refrig/AC Room	E44 B01	0' - 2', 2'-4'	--	--	--	1	2	2	2	2	--	--	--	--	--
E45	UST Outside Former Boiler Room Near Former Coal Storage Bin	E45 B01	--	--	--	--	--	--	--	--	--	--	--	--	--	Encountered refusal, could not collect samples at appropriate depth
--	Fill Material Within Abandoned Leaching Pools	E01 B05	5'-7'	--	--	--	1	1	--	--	--	--	1	--	--	Added to program at NGC's request.
		E07 B11	5'-7'	--	--	--	1	1	--	--	--	--	1	--	--	Added to program at NGC's request.
		E08 B09	6'-7'	--	--	--	1	1	--	--	--	--	1	--	--	Added to program at NGC's request.
D12	Dry Well Northwest of the Boiler Room	D12 B01	--	--	--	--	--	--	--	--	--	--	--	--	--	No samples collected due to metal at bottom of drainage feature.
D14	LIPA Pit/Sump	D14 B01	5'-7', 7'-9', 9'-11'	--	--	--	1	3	3	--	3	--	--	--	--	Boring advanced within AOC.
D15	Square Ejector Pit North of Recharge Basin	D15 B01	6'-8', 10'-12', 14'-16', 17'-19', 19'-21'	--	--	--	1	5	5	--	5	--	--	--	--	Soil boring was advanced immediately adjacent to the ejector pit off northeast corner.
--	Groundwater Sampling	--	--	--	--	--	--	--	6	5	5	--	5	--	--	--

**\* Target Constituents/Analytical Methods**

1. RCRA Metals (Method 6010/7471)
2. Volatile Organic Compounds (Method 8260) incl. those listed in STARS
3. Semivolatile Organic Compounds (Method 8270) incl. those listed in STARS

4. STARS Table 2 VOCs and SVOCs by TCLP
5. Polychlorinated Biphenyls (PCBs) (Method 8082)
6. Select Glycols (Method 8015)

**Notes:**

- (1) Below bottom of chamber, dry well, pit, catch basin or recharge basin  
 --: Not applicable

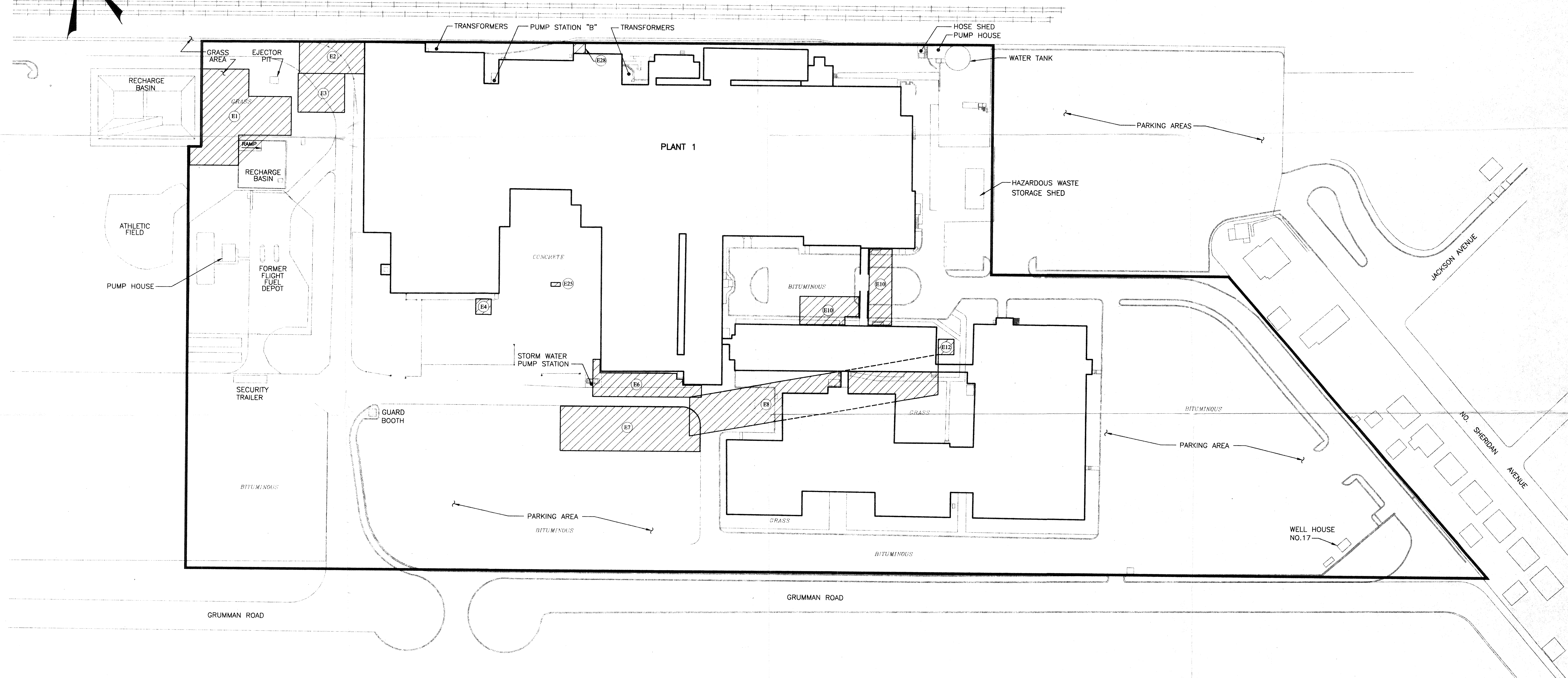
- E1 - Former Settling Tanks/Leaching Pools;
- E2 - Six Former Leaching Pools;
- E3 - Former Heat Treat Drainage Wells;
- E4 - Former Dry Well;
- E6 - Leaching Pool Area;
- E7 - Nine Leaching Pools;
- E8 - Former Leaching Field with Twenty Leaching Pools;
- E10 - Seven Former Leaching Pools;
- E12 - Former Dry Well;
- E25 - Former Concrete Sump Pit; and
- E28 - Boiler Room UST

The locations of these areas are shown on Figure 2-5.

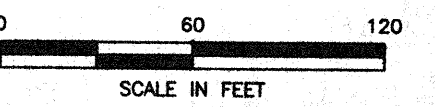
Each AOC that was not paved with reinforced concrete was initially investigated utilizing a Fisher TW-6 Pipe and Cable Locator (electromagnetic metal-detector). The instrument was carried over the areas in a series of closely spaced parallel traverses. A GPR survey was then conducted in those areas that exhibited metal-detector anomalies. GPR data was collected along traverses centered over the anomalies. GPR data profiles were collected over a grid of parallel lines spaced 3 to 5 feet apart for AOCs which did not exhibit any metal-detector anomalies or AOCs paved with reinforced concrete. The data profiles were then examined for evidence of reflections that could be associated with subsurface features. This data were used to locate soil borings that were advanced in these areas. A more detailed description of the methods and instruments used during the geophysical survey is included in the report from NAEVA, in Appendix A.



LONG ISLAND RAIL ROAD



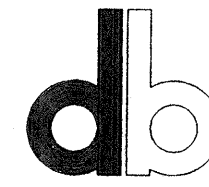
- LEGEND**
- AREAS OF GEOPHYSICAL SURVEY
  - PROPERTY BOUNDARY
  - LIMITS OF BUILDING FOUNDATION



PLANT 1  
F:\1852\1852-PI-3.DWG  
P: MAY 04, 2001 03:07 P. LUG

NO.	DATE	REVISION	INT.

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**DVIRKA AND BARTILUCCI**  
CONSULTING ENGINEERS  
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

NORTHROP GRUMMAN CORPORATION  
BETHPAGE FACILITY

**PLANT 1**

**GEOPHYSICAL SURVEY AREAS**

PROJECT NO. 1852	FIGURE NO. <b>2-5</b>
DATE: MAY 2001	
SCALE: 1"=60'	



### 2.2.2 Soil Sampling

This section provides a description of the procedures used to collect soil samples during the Phase II Site Assessment at Plant 1. Dedicated field books, which are available in the project file, provide documentation of the daily field activities conducted at the site during the field program.

The interior soil probes were advanced utilizing Geoprobe tooling and either an electric hammer-drill or, where access allowed, truck-mounted Simco 200 Earthprobe. At exterior locations, soil samples were collected utilizing a truck-mounted hollow stem auger drill rig (CME 55 or CME 75) with Geoprobe tooling, a truck-mounted Simco 200 Earthprobe with Geoprobe tooling or manual advancement of Geoprobe tooling using an electric hammer-drill.

The Geoprobe tooling consisted of drill rods and either a 1.5-inch outside diameter by 2-foot long or a 2-inch outside diameter by 4-foot long soil probe sampler. A clear polyethylene terephthalate-G (PETG) sample tube liner, dedicated to each soil probe sample, was used to contain the sample within the sampler. Each soil probe was advanced utilizing the hammer-drill, Earthprobe or drill rig's 140-pound hammer to drive the soil probe sampler, sample tube liner and drill rods to the desired depth. The soil probe sampler was retrieved using a mechanical floor jack, the Earthprobe or the drill rig.

All soil samples collected were geologically characterized, inspected for staining, discoloration or odors, and screened for volatile organic compounds (VOCs) using an organic vapor analyzer equipped with a photoionization detector (PID). This information is included on the soil boring logs in Appendix B.

During the advancing of soil probes, a PID was used to monitor VOCs in the workers' breathing zone and at the boreholes. Air monitoring results are documented in the project field books. The PID was calibrated on at least a daily basis, using isobutylene gas at a concentration of 100 parts per million in air. Equipment calibration was documented in the project field books.



Material to be sent for laboratory analysis was placed in laboratory-supplied sample bottles, which were immediately stored in an iced cooler for subsequent transport to the laboratory under Chain of Custody procedures. Any excess sample material not required for analysis was returned to the borehole from which it came. The remainder of the borehole was filled with clean sand and/or bentonite pellets. Each borehole was restored at grade with the same material that was originally in place. That is, asphalt areas were restored with asphalt, concrete areas were restored with concrete and grass covered areas were restored with soil or sand. Where manholes were encountered, the covers were replaced after sampling had been completed.

All non-dedicated sampling equipment was decontaminated between sample locations. Decontamination procedures consisted of:

- External wash with a solution of non-phosphate detergent and potable water;
- Potable water rinse; and
- Distilled/deionized water rinse.

Decontamination fluids were contained for proper off-site transportation and disposal by NGC.

### 2.2.3 Groundwater Monitoring Well Installation and Sampling

Four groundwater monitoring wells were installed at the Plant 1 site to assess potential impact to groundwater. The approximate locations of the groundwater monitoring wells are shown on Figure 2-4.

The monitoring wells were installed utilizing a CME-55 rotary drill rig equipped with 4 1/4-inch hollow stem augers. All equipment, including the 4 1/4-inch hollow stem augers, was decontaminated utilizing a high-pressure steam cleaner. All decontamination water was contained in 55-gallon DOT drums for proper disposal. Each monitoring well was installed to a depth of approximately 55 feet below grade. Well construction logs are presented in Appendix B. Fifteen feet of 2-inch diameter 0.010 slot schedule 40 flush joint threaded PVC screen and 2-inch

diameter Schedule 40 flush joint thread PVC riser pipe was utilized for the well construction. All drill cuttings and well development water were contained in 55-gallon DOT drums for proper off-site transportation and disposal by NGC. Number 1 Morie well gravel was utilized for the well screen annulus. The remainder of the annular void was filled with hydrated bentonite pellets and a cement and bentonite grout mix was installed as a seal. Subsequent well development activities reduced the turbidity of the well water to less than 50 NTU's, with the exception of monitoring wells PLT1MW-01 and PLT1GM-14. As a result, the laboratory filtered and conducted dissolved metals analysis for groundwater samples collected from monitoring wells PLT1MW-01 and PLT1GM-14.

In addition, two existing groundwater monitoring wells (PLT1GM-14 and PIT-INFFTMWD) located at the Plant 1 site (see Figure 2-4) were sampled along with the newly installed wells.

## Section 3



### 3.0 FINDINGS

As previously described, the Phase II Site Assessment consisted of sampling at 37 interior AOCs and 35 exterior AOCs. The samples collected as part of the interior and exterior investigations are summarized on Tables 2-1 and 2-2, respectively. Sample locations are shown on Figures 2-3 (interior locations), and 2-4 (exterior locations).

Analytical results for all samples analyzed during the Phase II Site Assessment are summarized in tables included in Appendix C. Analytical results were screened against site-specific criteria for the Plant 1 site. These guidance values were approved by the NYSDEC and utilized for other investigation programs conducted at NGC Plants 5 and 12. The site-specific guidance values developed and utilized for the Plants 5 and 12 investigation/remediation programs consisted of a combination of USEPA Soil Screening Levels (SSLs), Technical and Administrative Guidance Memorandum (TAGM) 4046 criteria and other guidance selected for major technical, environmental and land use considerations. The technical rationale for the development and implementation of the Plant 1 site-specific criteria is summarized in a document entitled "Non-UIC Remediation Plan - Plant 1," dated May 2001. The Plant 1 site-specific criteria is listed below:

Constituent of Concern	Comparison Value
<b>SVOCs (ug/kg or ppb)</b>	
Total CaPAHs	10,000
Total PAHs	100,000
Total SVOCs	500,000
<b>Metals (mg/kg or ppm)</b>	
Arsenic	20
Barium	5,500
Cadmium	78
Cadmium (total)	390
Chromium (hexavalent)	390
Mercury	23
Lead	400

chromium

Constituent of Concern	Comparison Value
Selenium	390
Silver	390
<b>PCBs (ug/kg or ppb)</b>	
Total PCBs (subsurface soil)	10,000

Although there are no NYSDEC TAGM criteria for glycols (i.e., ethylene glycol and propylene glycol), discussions with NYSDEC representatives indicate that a level of 50,000 ug/kg has been utilized. Analytical results for pesticides/herbicides were screened against the NYSDEC criteria provided in Appendix A of TAGM 4046. In addition, groundwater results were compared to the NYSDEC Class GA groundwater standards.

### 3.1 Interior Investigation

As previously discussed, the Phase II Site Assessment interior investigation activities were conducted at the following areas at the site:

- Former Paint Spray Room (I02)
- Former Paint Storage Room (I03)
- Former Storage Building Former Dry Wells (I04)
- Former Dry Well Area (I05)
- Former Paint Shop (I06)
- Former Paint Tunnel (I07)
- Boiler Room Former Dry Well (I08)
- Former Hammer Shop (I09)
- Paint Shop Former Dry Well (I10)
- Former Paint Shop Booths and Paint Tunnel (I11)
- Former Alodine Room (I12)
- Former Downspout Dry Wells (I13)
- Former Heat Treat Room (I16)
- Former Paint Mixing Room (I17)
- Material Stock Room (I19)
- Five Former Machine Pits (I21)
- Pump Station "B" (I23)
- Hallway Adjacent to Former Alodine Room (I26)
- Air Handling Unit Room (I28)

- Former Storage Building (I30)
- Refrigeration/Air Conditioning Room (I31)
- Hangar 1 (I32)
- Storage Area in Office Area East of Hangar 2 (I33)
- “Old” Ejection Pits (I34)
- Transformer Rooms (I35)
- Former Router Room (I36)
- Machine Shop (previously referred to as Former Upholstery Room) (I37)
- Boiler Room (I38)
- Former Facility Maintenance Area (I39)
- Hangar 2 (I40)
- Random Locations of Historic Manufacturing Operations (I41)
- Paint Shop Dry Well in Former Hammer Shop (I42)
- Dry Wells in Former Carpentry Shop (I43)
- Canopy Trim Fixture Drain Hole/Sump Pit (I44)
- Waste Collection Station Adjacent to Canopy Drain/Sump Pit (I45)
- Former “Spot Weld Rinse Tank” (In vicinity of column E6) (I46)
- RHIC Magnet Pumping Units (I47)
- Pit in Room Adjacent to South Site of former Carpentry Shop (D17)

An area-by-area discussion of the Initial Phase II Site Assessment interior investigation activity findings is presented below.

#### 3.1.1 Former Paint Spray Room (I02)

Two soil samples were collected at soil boring location I02B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds

- The Plant 1 site-specific criteria for total carcinogenic polycyclic aromatic hydrocarbons (CaPAHs), total polycyclic aromatic hydrocarbons (PAHs) and total semivolatile organic compounds (SVOCs) of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.1.2 Former Paint Storage Room (I03)

Two soil samples were collected at soil boring location I03B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals

- RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Volatile Organic Compounds

- VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds

- The Plant 1 site-specific criteria for total CaPAHs, total PAHs and total SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.1.3 Former Storage Building Former Dry Wells (I04)

One soil sample was collected at soil boring location I04B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2, C-3 and C-4 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for total CaPAHs, total PAHs and total SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

#### 3.1.4 Former Dry Well Area (I05)

Four soil samples were collected at soil boring locations I05B01 and E43B02, during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2, C-3 and C-4 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for total CaPAHs, total PAHs and total SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.



- PCBs

- PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

### 3.1.5 Former Paint Shop (I06)

Four soil samples were collected at soil boring locations I06B01 and I06B02 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2, C-3 and C-4 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals

- RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Volatile Organic Compounds

- VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds

- The Plant 1 site-specific criteria for total CaPAHs, total PAHs and total SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

- PCBs

- PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

### 3.1.6 Former Paint Tunnel (I07)

Thirteen soil samples were collected at soil boring locations I07B01, I07B01N8, I07B01S8, I07B01W5, I07B01E8, I07B02, I07B03 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are

presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - Chromium and lead were detected in soil sample I07B01 (3'-5') at concentrations of 2,370 mg/kg and 613 mg/kg, respectively, which exceeded the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for total CaPAHs, total PAHs and total SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

#### 3.1.7 Boiler Room Former Dry Well (I08)

Two soil samples were collected at soil boring location I08B01 the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2, C-3 and C-4 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

- PCBs

- PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

### 3.1.8 Former Hammer Shop (I09)

Two soil samples were collected at soil boring location I09B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals

- RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Volatile Organic Compounds

- VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds

- The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.1.9 Paint Shop Former Dry Well (I10)

Two soil samples were collected at soil boring location I10B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2, C-3 and C-4 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

#### 3.1.10 Former Paint Shop Booths and Paint Tunnel (I11)

Fourteen soil samples were collected at soil boring locations I11B01, I11B02, I11B03, I11B04, I11B05, I11B06 and I11B07 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds

- The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.1.11 Former Alodine Room (I12)

Ten soil samples were collected at soil boring locations I12B01, I12B02, I12B03, I12B04 and I12B05 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals

- RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Volatile Organic Compounds

- VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds

- The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.1.12 Former Downspout Dry Wells (I13)

Four soil samples were collected at soil boring locations I13B01 and I13B02 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2, C-3 and C-4 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

#### 3.1.13 Former Heat Treat Room (I16)

Three soil samples were collected at soil boring location I16B02 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2, C-3 and C-4 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

#### 3.1.14 Former Paint Mixing Room (I17)

Four soil samples were collected at soil boring locations I17B01 and I17B02 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

#### 3.1.15 Material Stock Room (I19)

Two soil samples were collected at soil boring location I19B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2 and C-3, Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

#### 3.1.16 Five Former Machine Pits (I21)

Ten soil samples were collected at soil boring locations I21B01, I21B02, I21B03, I21B04, and I21B05 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.



### 3.1.17 Pump Station "B" (I23)

Two soil samples were collected at soil boring location I23B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.1.18 Hallway Adjacent to Former Alodine Room (I26)

Four soil samples were collected at soil boring locations I26B01 and I26B02 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2, C-3 and C-4 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

#### 3.1.19 Air Handling Unit Room (I28)

Two soil samples were collected at soil boring location I28B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

#### 3.1.20 Former Storage Building (I30)

Thirty-one soil samples were collected at soil boring locations I30B01, I30B02, I30B03, I30B03N8, I30B03S8, I30B03W8, I30B03E8, I30B03S12, I30B03W12, I30B03E12, I30B04, I30B05, I30B06 and I30B07 during the Phase II Site Assessment field investigation. Soil

samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2, C-3 and C-4 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - *Total* CaPAHs and *total* PAHs were detected in soil sample I30B03 (1'-3') at concentrations of 83,820 ug/kg and 186,120 ug/kg, respectively, which exceeded the Plant 1 site-specific criteria. *Total* CaPAHs, *total* PAHs and *total* SVOCs were detected in soil sample I30B03S8 (1'-3') at concentrations of 320,900 ug/kg, 712,300 ug/kg and 712, 460 ug/kg, respectively, which exceeded the Plant 1 site-specific criteria. *Total* CaPAHs were detected in soil sample I30B03E8 (1'-3') at a concentration of 25,650 ug/kg which exceeded the Plant 1 site-specific criteria.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

#### 3.1.21 Refrigeration/Air Conditioning Room (I31)

Four soil samples were collected at soil boring locations I31B01 and I31B02 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

#### 3.1.22 Hangar 1 (I32)

Eight soil samples were collected at soil boring locations I32B01, I32B02, I32B03 and I32B04 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2, C-3, C-4, C-5, and C-6 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Glycols
  - Elevated levels of glycols were not detected.
- Pesticides/Herbicides
  - Elevated levels of pesticides/herbicides were not detected.

### 3.1.23 Storage Area in Office Area East of Hangar 2 (I33)

Two soil samples were collected at soil boring location I33B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.1.24 “Old” Ejection Pits (I34)

Four soil samples were collected at soil boring locations I34B01 and I34B02 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2, C-3 and C-4 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

#### 3.1.25 Transformer Rooms (I35)

Four soil samples were collected at soil boring locations I35B01 and I35B02 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Table C-4 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

#### 3.1.26 Former Router Room (I36)

Four soil samples were collected at soil boring locations I36B01 and I36B02 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table

2-1. The analytical results are presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

3.1.27 Machine Shop (previously referred to as Former Upholstery Room) (I37)

Four soil samples were collected at soil boring locations I37B01 and I37B02 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.1.28 Boiler Room (I38)

Four soil samples were collected at soil boring locations I38B01 and I38B02 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.1.29 Former Facility Maintenance Area (I39)

Four soil samples were collected at soil boring locations I39B01 and I39B02 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.



- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.1.30 Hangar 2 (I40)

Ten soil samples were collected at soil boring locations I40B01, I40B03, I40B04, I40B05 and I40B06 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2, C-3, C-4 and C-5 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Glycols
  - Elevated levels of glycols were not detected.

### 3.1.31 Random Locations at Historic Manufacturing Operations (I41)

Ten soil samples were collected at soil boring locations I41B01, I41B02, I41B03, I41B04 and I41B05 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2, C-3 and C-4 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

### 3.1.32 Paint Shop Dry Well in Former Hammer Shop (I42)

Two soil samples were collected at soil boring location I42B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2, C-3 and C-4 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

### 3.1.33 Dry Wells in Former Carpentry Shop (I43)

Nine soil samples were collected at soil boring locations I43B01, I43B01A, I43B02 and I43B02A during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - Chromium and lead were detected in soil sample I43B01 (8'-10') at concentrations of 1,060 mg/kg and 1,470 mg/kg, respectively, which exceeded the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - *Total* CaPAHs were detected in soil sample I43B02 (13'-15') at a concentration of 10,064 ug/kg which exceeded the Plant 1 site-specific criteria.

#### 3.1.34 Canopy Trim Fixture Drain Hole/Sump Pit (I44)

Two soil samples were collected at soil boring location I44B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

#### 3.1.35 Waste Collection Station Adjacent to Canopy Drain/Sump Pit (I45)

Two soil samples were collected at soil boring location I45B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2, C-3 and C-4 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

#### 3.1.36 Former “Spot Weld Rinse Tank” (In vicinity of column E6) (I46)

Two soil samples were collected at soil boring location I46B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-1. The analytical results are presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

#### 3.1.37 RHIC Magnet Pumping Units (I47)

Four soil samples were collected at soil boring locations I47B01 and I47B02 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table

2-1. The analytical results are presented on Tables C-1, C-2 and C-3 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

#### 3.1.38 Pit in Room Adjacent to South Side of Former Carpentry Shop (D17)

Three soil samples were collected at soil boring location D17B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7 and C-9 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### **3.2 Exterior Investigation**

As previously discussed, the Phase II Site Assessment exterior investigation activities were conducted at the following areas at the site:

- Former Settling Tanks/Leaching Pools (E01)
- Six Former Leaching Pools (E02)
- Former Heat Treat Drainage Wells (E03)
- Former Dry Well (E04)
- Leaching Pool Area (E06)
- Nine Leaching Pools (E07)
- Former Leaching Field with Twenty Leaching Pools (E08)
- Former Coal Storage Bin (E09)
- Seven Former Leaching Pools (E10)
- Former Dry Well (E12)
- Former Drum Storage Area (E13)
- Existing On-site Recharge Basin (E18)
- Former On-site Recharge Basin (E19)
- Unidentified Pit (E20)
- Former AST and Salvage Area (E21)
- Material Storage Area (E22)
- Former Concrete Sump Pit (E25)
- Location of Former Trichloroethylene Tank (E27)
- Pump Station "A" (E30)
- Catch Basins (Vicinity of Pump House/Water Tank) (E32)
- Former Tank 1111 (Between Hangars 1 and 2) (E33)
- Courtyard Between Hangars 1 and 2 (E34)
- Area West of Hangar 1 (E35)
- Former Drainage Swale (North of Maint. Area) (E36)
- Former Discoloration (Southeast Parking Area) (E37)
- Boiler Room Exterior Former Dry Well (E38)
- Dry Well Outside Former Facility Maintenance Area (E39)
- Dry Well Outside Former Paint Tunnel (E41)
- Unidentified Pit Outside Boiler Room (E42)
- Former 2,000 Gal Gas USTs (4) South of Refrig./AC Room (E43)
- Former Gas Pump House South of Refrig./AC Room (E44)
- Fill Material Within Abandoned Leaching Pools
- LIPA Pit/Sump (D14)
- Square Ejector Pit North of Recharge Basin (D15)

An area-by-area discussion of the Phase II Site Assessment exterior investigation activity findings is presented below.

### 3.2.1 Former Settling Tanks/Leaching Pools (E01)

Twenty-six soil samples were collected at soil boring locations E01B01, E01B02, E01B03, E01B04, E01B05, E01B06, E01B07, E01B08, E01B09, E01B11, E01B12, E01B13 and E01B14 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8, C-9 and C-10 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

### 3.2.2 Six Former Leaching Pools (E02)

Eight soil samples were collected at soil boring locations E02B01, E02B02, E02B03 and E02B04 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8 and C-9 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:



- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.2.3 Former Heat Treat Drainage Wells (E03)

Four soil samples were collected at soil boring locations E03B01 and E01B02 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8, C-9 and C-10 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

- PCBs

- PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

#### 3.2.4 Former Dry Well (E04)

Two soil samples were collected at soil boring location E04B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8 and C-9 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals

- RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Volatile Organic Compounds

- VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds

- The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

#### 3.2.5 Leaching Pool Area (E06)

Fourteen soil samples were collected at soil boring locations E06B01, E06B02, E06B03, E06B04, E06B05, E06B06 and E06B09 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8 and C-9 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.2.6 Nine Leaching Pools (E07)

Twenty-six soil samples were collected at soil boring locations E07B01, E07B02, E07B03, E07B04, E07B05, E07B06, E07B07, E07B09, E07B10, E07B11, E07B12, E07B13 and E07B14 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8 and C-9 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.2.7 Former Leaching Field with Twenty Leaching Pools (E08)

Twenty-six soil samples were collected at soil boring locations E08B01, E08B02, E08B03, E08B04, E08B05, E08B06, E08B07, E08B08, E08B09, E08B10, E08B11, E08B12 and E08B14 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8, C-9 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.2.8 Former Coal Storage Bin (E09)

Two soil samples were collected at soil boring location E09B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7 and C-9 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - Lead was detected in soil sample E09B01 (0'-2') at a concentration of 834 mg/kg which exceeded the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds

- The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.2.9 Seven Former Leaching Pools (E10)

Fourteen soil samples were collected at soil boring locations E10B01, E10B02, E10B03, E10B04, E10B05, E10B06 and E10B07 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8 and C-9 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals

- RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Volatile Organic Compounds

- VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds

- The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.2.10 Former Dry Well (E12)

Two soil samples were collected at soil boring location E12B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8 and C-9 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

#### 3.2.11 Former Drum Storage Area (E13)

Twenty soil samples were collected at soil boring locations E13B01, E13B02, E13B02N5, E13B02S5, E13B02W8, E13B02E8, E13B02NE10, E13B02NE20, E13B02W12 and E13B02E12 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8, C-9 and C-10 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - *Total* CaPAHs were detected in soil sample E13B02 (0'-2') at a concentration of 30,420 ug/kg which exceeded the Plant 1 site-specific criteria.

- PCBs

- PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

### 3.2.12 Existing On-site Recharge Basin (E18)

Four soil samples were collected at soil boring locations E18B01 and E18B02 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8, C-9 and C-10 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals

- RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Volatile Organic Compounds

- VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds

- The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

- PCBs

- PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

### 3.2.13 Former On-site Recharge Basin (E19)

Two soil samples were collected at soil boring location E19B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8, C-9 and C-10 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

#### 3.2.14 Unidentified Pit (E20)

Two soil samples were collected at soil boring location E20B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8, C-9 and C-10 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.



- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

### 3.2.15 Former AST and Salvage Area (E21)

Ten soil samples were collected at soil boring locations E21B01, E21B02, E21B03, E21B04 and E21B05 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8, C-9 and C-10 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

### 3.2.16 Material Storage Area (E22)

Eight soil samples were collected at soil boring locations E22B01, E22B02, E22B03 and E22B04 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8, C-9, C-10 and C-11 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Glycols
  - Elevated levels of glycols were not detected.

### 3.2.17 Former Concrete Sump Pit (E25)

Two soil samples were collected at soil boring location E25B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8, C-9, C-10 and C-11 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Glycols
  - Elevated levels of glycols were not detected.

### 3.2.18 Location of Former Trichloroethylene Tank (E27)

Two soil samples were collected at soil boring location E27B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Table C-8 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

### 3.2.19 Pump Station "A" (E30)

Two soil samples were collected at soil boring location E30B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8 C-9 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.2.20 Catch Basins (Vicinity of Pump House/Water Tank) (E32)

Four soil samples were collected at soil boring locations E32B01 and E32B02 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8 and C-9 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds

- The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.2.21 Former Tank 1111 (Between Hangars 1 and 2) (E33)

Two soil samples were collected at soil boring location E33B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8 and C-9 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals

- RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Volatile Organic Compounds

- VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds

- The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.2.22 Courtyard Between Hangars 1 and 2 (E34)

Eight soil samples were collected at soil boring locations E34B01, E34B02, E34B03 and E34B04 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8, C-9, C-10 and C-11 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Glycols
  - Elevated levels of glycols were not detected.

### 3.2.23 Area West of Hangar 1 (E35)

Four soil samples were collected at soil boring locations E35B01 and E35B02 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8, C-9 and C-10 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

#### 3.2.24 Former Drainage Swale (North of Maint. Area) (E36)

Four soil samples were collected at soil boring locations E36B01 and E36B02 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8, C-9 and C-10 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - *Total* PCBs were detected at a concentration of 13,000 ug/kg in soil sample E36B02 (3'-5') which exceeded the Plant 1 site-specific criteria.

### 3.2.25 Former Discoloration (Southeast Parking Area) (E37)

Four soil samples were collected at soil boring locations E37B01 and E37B02 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8, C-9 and C-10 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

### 3.2.26 Boiler Room Exterior Former Dry Well (E38)

Two soil samples were collected at soil boring location E38B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8, C-9 and C-10 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.



- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

### 3.2.27 Dry Well Outside Former Facility Maintenance Area (E39)

Two soil samples were collected at soil boring location E39B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8, C-9 and C-10 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

- PCBs

- PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

### 3.2.28 Dry Well Outside Former Paint Tunnel (E41)

Two soil samples were collected at soil boring location E41B01 the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8, C-9 and C-10 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals

- RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Volatile Organic Compounds

- VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds

- The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

- PCBs

- PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

### 3.2.29 Unidentified Pit Outside Boiler Room (E42)

Two soil samples were collected at soil boring location E42B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8, C-9 and C-10 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.
- PCBs
  - PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

### 3.2.30 Former 2,000 Gallon Gas USTs (4) South of Refrig./AC Room (E43)

Two soil samples were collected at soil boring location E43B01 the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8 and C-9 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals
  - RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.
- Volatile Organic Compounds
  - VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds

- The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.2.31 Former Gas Pump House South of Refrig./AC Room (E44)

Two soil samples were collected at soil boring location E44B01 the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7, C-8 and C-9 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals

- RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Volatile Organic Compounds

- VOCs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds

- The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.2.32 Fill Material Within Abandoned Leaching Pools

Three soil samples were collected at soil boring locations E01B05, E07B11 and E08B09 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Table C-10 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- PCBs

- PCBs were not detected at concentrations exceeding the Plant 1 site-specific criteria.

### 3.2.33 LIPA Pit/Sump (D14)

Three soil samples were collected at soil boring location D14B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7 and C-9 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals

- RCRA metals were not detected at concentrations exceeding the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds

- The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.2.34 Square Ejector Pit North of Recharge Basin (D15)

Five soil samples were collected at soil boring location D15B01 during the Phase II Site Assessment field investigation. Soil samples were analyzed as described on Table 2-2. The analytical results are presented on Tables C-7 and C-9 in Appendix C. Exceedances of the Plant 1 site-specific criteria are summarized below:

- RCRA Metals

- Chromium was detected at a concentration of 584 mg/kg in soil sample D15B01 (19'-21') which exceeded the Plant 1 site-specific criteria.

- Semivolatile Organic Compounds
  - The Plant 1 site-specific criteria for *total* CaPAHs, *total* PAHs and *total* SVOCs of 10,000 ug/kg, 100,000 ug/kg and 500,000 ug/kg were not exceeded.

### 3.3 Groundwater Investigation

As previously discussed in Section 2, four shallow groundwater monitoring wells (PLT1MW-01, 02, 03, and 04) were installed at the Plant 1 site to determine whether shallow groundwater has been impacted. In addition, groundwater samples were collected from two existing monitoring wells (PLT1GM-14 and PIT-INFFTMWD) and analyzed as part of the Phase II Site Assessment. The groundwater samples listed above were analyzed for RCRA metals (Methods 6010/7471), VOCs (Method 8260), SVOCs (Method 8270), and PCBs (Method 8082). Due to elevated turbidity levels of monitoring wells PLT1MW-01 and PLT1GM-14, the laboratory filtered and conducted dissolved metals analysis for groundwater samples collected from these wells. Groundwater sample PLT1GM-14 was only analyzed for dissolved and undissolved RCRA metals due to the fact that this well had been recently sampled as part of a separate investigation. The analytical results of the groundwater sample are presented on Tables C-12 through C-15 in Appendix C and are summarized as follows:

- RCRA Metals
  - RCRA metals were not detected above NYSDEC Class GA groundwater standards/guidance values for the dissolved and undissolved analyses.
- VOCs
  - VOCs were not detected above NYSDEC Class GA groundwater standards/guidance values.
- SVOCs
  - SVOCs were not detected above NYSDEC Class GA groundwater standards/guidance values.

- PCBs
  - Total PCBs were not detected above NYSDEC Class GA groundwater standards/guidance values.

### **3.4 Data Validation**

Soil and water samples were collected as part of the site investigation at the Northrop Grumman Plant 1 site. The samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), PCBs, pesticides, glycols and/or RCRA metals, depending on sample location. All sample analyses were performed by Chemtech Consulting Group Inc., a subcontractor Dvirka and Bartilucci Consulting Engineers. Chemtech performed the sample analyses in accordance with USEPA SW-846 – Methodologies and NYSDEC Analytical Services Protocol (ASP) Quality Assurance/Quality Control (QA/QC) requirements.

The data packages submitted by Chemtech have been reviewed for contractual compliance and completeness. Twenty percent of the analytical results have been reviewed for calculation and transcription errors to yield a “20 percent validation” as stipulated in the work plan. The findings of the validation process are summarized below.

All sample analyses were performed within the method specified holding times.

Several samples required reanalysis due to surrogate recoveries and/or internal standard area counts being outside QC limits. Both sets of data were reviewed and the results for the most compliant set were placed on the data summary tables to be used for environmental assessment purposes.

Reanalysis of several samples at secondary dilutions was required due to compound concentrations exceeding the instrument calibration range. The results taken from the diluted runs have been flagged “D” on the data summary tables.

No problems were found with the sample results. All results have been deemed valid and usable for environmental assessment purposes.



## Section 4



## **4.0 CONCLUSIONS AND RECOMMENDATIONS**

Based upon the findings of the Phase II Site Assessment field investigation program discussed in Sections 3, conclusions and recommendations are presented in this section regarding the need for further investigation or remediation activities, if necessary, at the Plant 1 property.

As previously stated in Section 3, the analytical results of the Phase II Site Assessment were compared to site-specific criteria that were developed for the Plant 1 site, consistent with previous investigations at Plants 5 and 12. The technical rationale for the development and implementation of the Plant 1 site-specific criteria is summarized in a document entitled "Non-UIC Remediation Plan - Plant 1," dated May 2001.

Conclusions and recommendations for no further action, additional investigation and/or remediation activities at areas of environmental concern are presented in Sections 4.1, 4.2 and 4.3. A summary of recommendations for additional investigation or remediation are shown in Table 4-1. Areas of concern which are recommended for additional investigation or remediation are illustrated in Figure 4-1.

### **4.1 Interior Investigation**

#### **4.1.1 Former Paint Spray Room (I02)**

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### **4.1.2 Former Paint Storage Room (I03)**

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

**TABLE 4**  
**Northrop Grumman Corporation**  
**Plant 1**  
**PHASE II SITE ASSESSMENT**  
**SUMMARY OF RECOMMENDATIONS**

Areas of Concern (AOCs)	Initial Boring Location	Drawing No.	Additional Sampling and Analysis			Remediation		
			Number of Soil Borings	Number of Soil Samples	Description	Area of Excavation	Depth of Excavation	Endpoint Sample Analysis and Method
Former Paint Tunnel	I07B01	4-2	--	--	--	130 square feet 80 square feet	0 to 3 feet bgs 0 to 5 feet bgs	--
Former Storage Building	I30B03	4-3	--	--	--	400 square feet	0 to 3 feet bgs	--
Dry Well in Former Carpentry Shop	I43B01	4-4	--	--	--	8 foot diameter	from 8 to 10 feet bgs	--
	I43B02	4-4	--	--	--	8 foot diameter	from 13 to 15 feet bgs	--
Former Coal Storage Bin	E09B01	4-5	4	11	Advance boring adjacent to E09B01 and collect soil samples from 2 to 6 feet bgs for lead analysis. Advance 3 borings 5 feet north, east and west to 6 feet bgs. Collect soil samples from 0 to 6 feet bgs for lead analysis.	--	--	--
Former Drum Storage Area	E13B02	4-6	--	--	--	144 square feet	0 to 2 feet bgs	--
Former Drainage Swale (North of Maintenance Area)	E36B02	4-7	5	33	Advance boring adjacent to E36B02 and collect soil samples from 5 to 15 feet bgs for PCBs analysis. Advance 4 borings 5 feet north, south, east and west to 15 feet bgs. Collect soil samples from 1 to 15 feet bgs for PCBs analysis.	--	--	--
Square Ejector Pit North of Recharge Basin	D15B01	4-8	8	63	Advance one boring adjacent to boring D15B01 to a depth of 31 feet and collect samples from 21 to 31 feet for chromium analysis. Advance three borings eight feet north, eight feet east and 10 feet northwest of boring D15B01 to a depth of 30 feet and collect samples from 10 to 30 feet for chromium analysis. Advance two borings along west and south pit wall to 30 feet and collect samples from 10 to 30 feet for chromium analysis. Advance two borings within the pit to 8 feet and collect samples for chromium analysis.	--	--	--

**Notes:**

bgs: below ground surface.

--: Not applicable.

#### 4.1.3 Former Storage Building Former Dry Wells (I04)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.4 Former Dry Well Area (I05)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.5 Former Paint Shop (I06)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

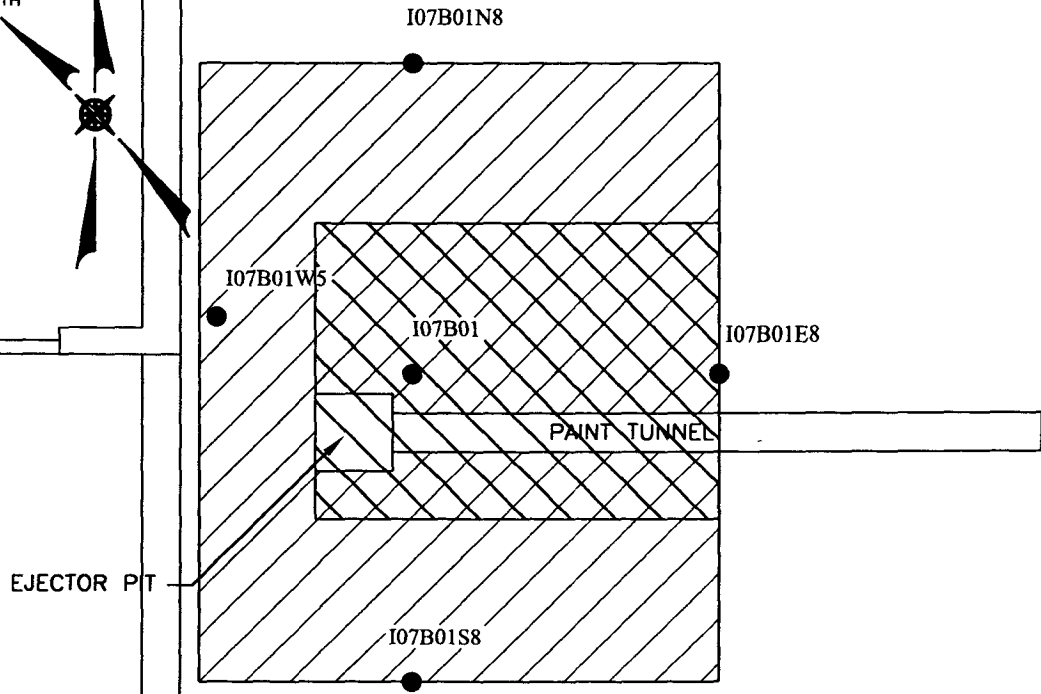
#### 4.1.6 Former Paint Tunnel (I07)

As discussed in Section 3, chromium and lead were detected in soil sample I07B01 (3'-5') at concentrations of 2,370 mg/kg and 613 mg/kg, respectively, which exceeded the Plant 1 site-specific criteria. Consequently, remediation is warranted in the vicinity of soil boring location I07B01. The vertical and horizontal extent of soil excavation for proper off-site transportation and disposal is shown on Figure 4-2.

#### 4.1.7 Boiler Room Former Dry Well (I08)



Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

TRUE NORTH  
SITE NORTH



FORMER PAINT SPRAY ROOM

**LEGEND**

- I07B01 SOIL BORING LOCATION
-  AREA TO BE REMEDIATED TO DEPTH OF 3 FEET BGS
-  AREA TO BE REMEDIATED TO DEPTH OF 5 FEET BGS

0 5'  
SCALE IN FEET

MON, MAY 21, 2001 04:02 P MPP E:\1852\1852-D9.DWG



Dvirka and Bartilucci  
Consulting Engineers

NORTHROP GRUMMAN CORPORATION  
PLANT 1  
**RECOMMENDATION FOR REMEDIATION  
FORMER PAINT TUNNEL**

D&B JOB NO.

**1852**

FIGURE

**4-2**

#### 4.1.8 Former Hammer Shop (I09)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.9 Paint Shop Former Dry Well (I10)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.10 Former Paint Shop Booths and Paint Tunnel (I11)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.11 Former Alodine Room (I12)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.12 Former Downspout Dry Wells (I13)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.13 Former Heat Treat Room (I16)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.14 Former Paint Mixing Room (I17)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.15 Material Stock Room (I19)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.16 Five Former Machine Pits (I21)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.17 Pump Station "B" (I23)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.18 Hallway Adjacent to Former Alodine Room (I26)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.19 Air Handling Unit Room (I28)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.20 Former Storage Building (I30)

As discussed in Section 3, *total* CaPAHs and *total* PAHs were detected in soil sample I30B03 (1'-3') at concentrations of 83,820 ug/kg and 186,120 ug/kg, respectively which exceeded the Plant 1 site specific criteria. *Total* CaPAHs, *total* PAHs and *total* SVOCs were also detected in soil sample I30B03S8 (1'-3') at concentrations of 320,900 ug/kg, 712,300 ug/kg and 712,460 ug/kg, respectively which exceeded the Plant 1 site specific criteria. In addition, *total* CaPAHs were detected in soil sample I30B03E8 (1'-3') at a concentration of 25,650 ug/kg which exceeded the Plant 1 site specific criteria.. Consequently, remediation is warranted in the vicinity of soil boring locations I30B03, I30B03S8 and I30B03E8. The vertical and horizontal extent of soil excavation for proper off-site transportation and disposal is shown on Figure 4-3.

#### 4.1.21 Refrigeration/Air Conditioning Room (I31)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.22 Hangar 1 (I32)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

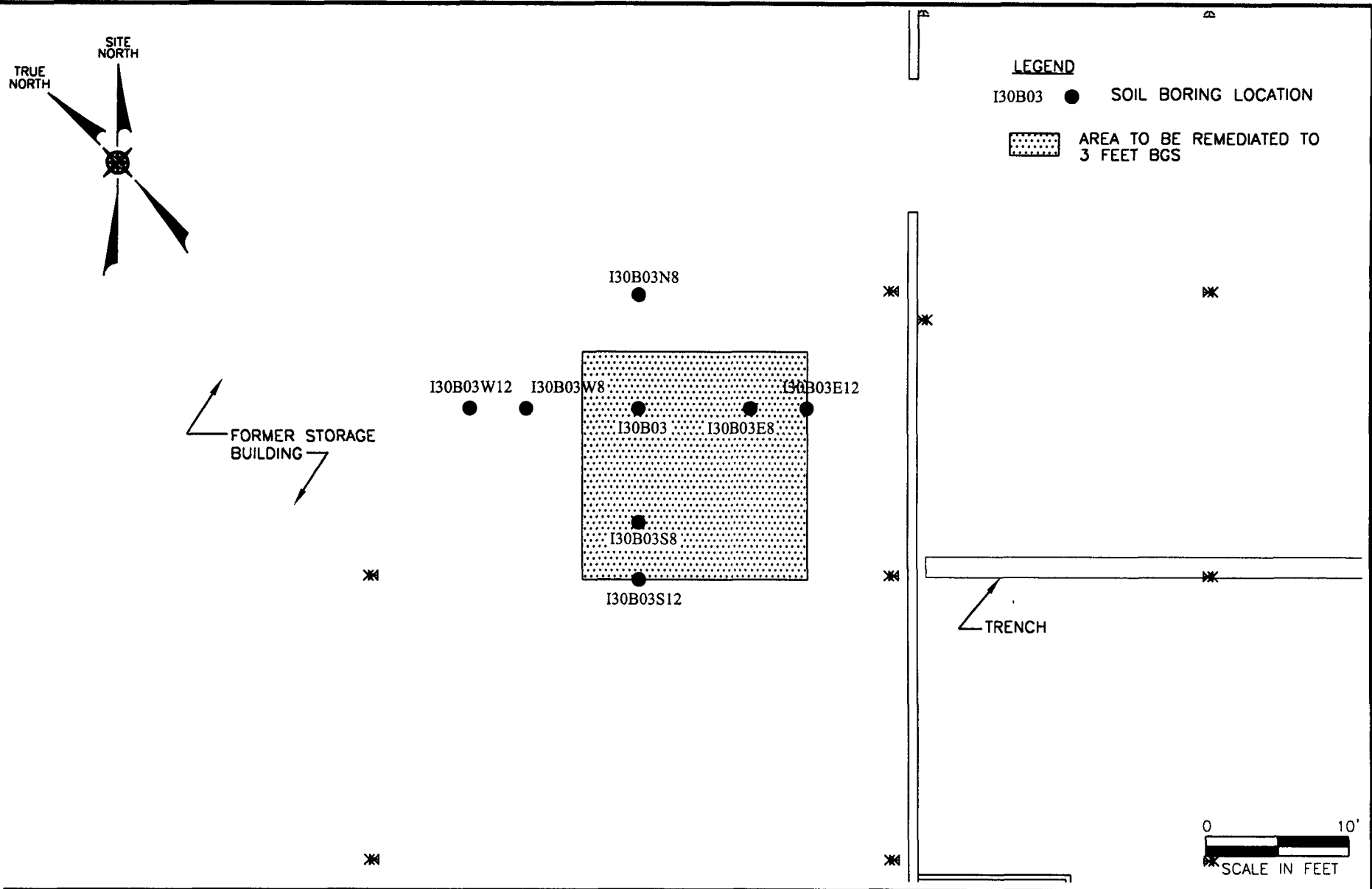
#### 4.1.23 Storage Area in Office Area East of Hangar 2 (I33)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.24 "Old" Ejection Pits (I34)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.





#### 4.1.25 Transformer Rooms (I35)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.26 Former Router Room (I36)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.27 Machine Shop (previously referred to as Former Upholstery Room) (I37)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.28 Boiler Room (I38)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.29 Former Facility Maintenance Area (I39)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.30 Hangar 2 (I40)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.31 Random Locations of Historic Manufacturing Operations (I41)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.32 Paint Shop Dry Well in Former Hammer Shop (I42)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.33 Dry Wells in Former Carpentry Shop (I43)


As discussed in Section 3, chromium and lead were detected in soil sample I43B01 (8'-10') at concentrations of 1,060 mg/kg and 1,470 mg/kg, respectively which exceeded the Plant 1 site-specific criteria. In addition, *total* CaPAHs were detected in soil sample I43B02 (13'-15') at a concentration of 10,064 ug/kg which exceeded the Plant 1 site specific criteria. Consequently, remediation is warranted in the vicinity of soil boring locations I43B01 and I43B02. The vertical and horizontal extent of soil excavation for proper off-site transportation and disposal is shown on Figure 4-4. It should be noted that dry wells I43B01 and I43B02 are backfilled to grade. Therefore, it has been assumed that the overburden material will be excavated and stockpiled for re-use as backfill material. The impacted soil from 8 to 10 feet bgs and 13 to 15 feet for dry wells I43B01 and I43B02, respectively, will be excavated for proper off-site transportation and disposal.


#### 4.1.34 Canopy Trim Fixture Drain Hole/Sump Pit (I44)

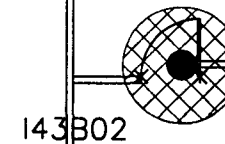
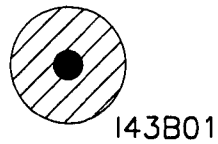
Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

LEGEND

IB43B01 ● SOIL BORING LOCATION

 AREA TO BE REMEDIATED  
FROM 8-10 FEET BGS.

 AREA TO BE REMEDIATED  
FROM 13-15 FEET BGS.



0 10'  
SCALE IN FEET



Dvirka and Bartilucci  
Consulting Engineers

NORTHROP GRUMMAN CORPORATION  
PLANT 1  
RECOMMENDATION FOR REMEDIATION  
DRY WELLS IN FORMER CARPENTRY SHOP

D&B JOB NO.

**1852**

FIGURE

**4-4**

#### 4.1.35 Waste Collection Station Adjacent to Canopy Drain/Sump Pit (I45)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.36 Former "Spot Weld Rinse Tank" (In vicinity of column E6) (I46)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.37 RHIC Magnet Pumping Units (I47)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.1.38 Pit in Room Adjacent to South Side of Former Carpentry Shop (D17)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

### 4.2 **Exterior Investigation**

#### 4.2.1 Former Settling Tanks/Leaching Pools (E01)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.2 Six Former Leaching Pools (E02)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.3 Former Heat Treat Drainage Wells (E03)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.4 Former Dry Well (E04)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.5 Leaching Pool Area (E06)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.6 Nine Leaching Pools (E07)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.7 Former Leaching Field with Twenty Leaching Pools (E08)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.8 Former Coal Storage Bin (E09)

As discussed in Section 3, lead was detected in soil sample E09B01 (0'-2') at a concentration of 834 mg/kg which exceeded the Plant 1 site-specific criteria. However, the horizontal and vertical extent of impacted soil has not been fully determined. Consequently,

further sampling and analysis is warranted. It is therefore recommended to advance one soil boring immediately adjacent to soil boring E09B01 to a depth of 6 feet below grade. Continuous 2-foot soil samples should be collected from the 2 to 6-foot interval for lead analysis by Method 6010. In addition, it is recommended to advance three soil borings 5 feet north, east and west of soil boring E09B01 to a depth of 6 feet below grade. Continuous 2-foot soil samples should be collected from each these three soil borings for lead analysis by Method 6010. The recommended soil sample locations for AOC E09 are shown on Figure 4-5.

#### 4.2.9 Seven Former Leaching Pools (E10)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.10 Former Dry Well (E12)

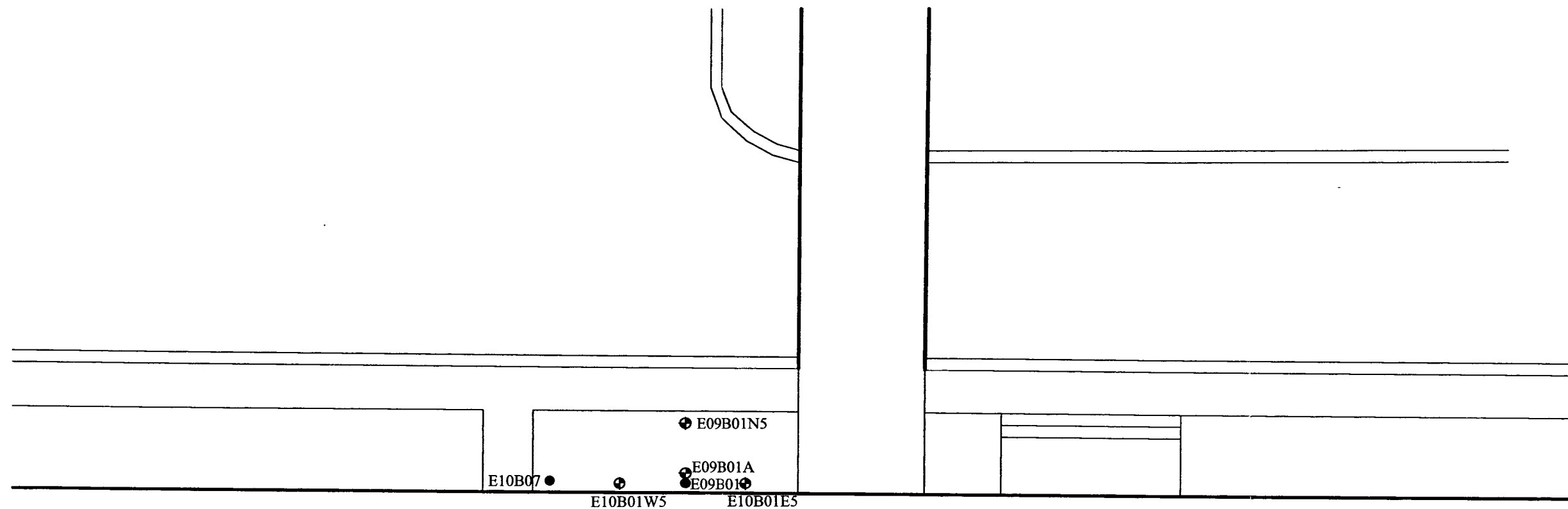
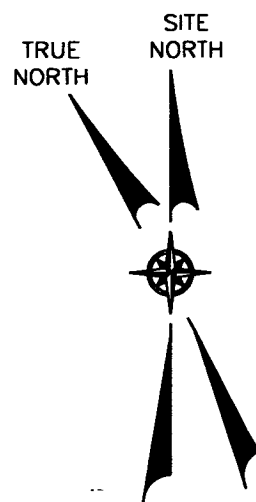
Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.11 Former Drum Storage Area (E13)

As discussed in Section 3, *total* CaPAHs were detected in soil sample E13B02 (0'-2') at a concentration of 30,420 ug/kg which exceeded the Plant 1 site specific criteria. Consequently, remediation is warranted in the vicinity of soil boring location E13B02. The vertical and horizontal extent of soil excavation for proper off-site transportation and disposal is shown on Figure 4-6.

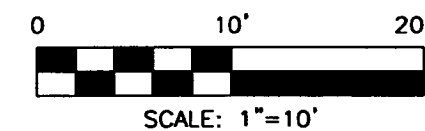
#### 4.2.12 Existing On-site Recharge Basin (E18)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.



**LEGEND**

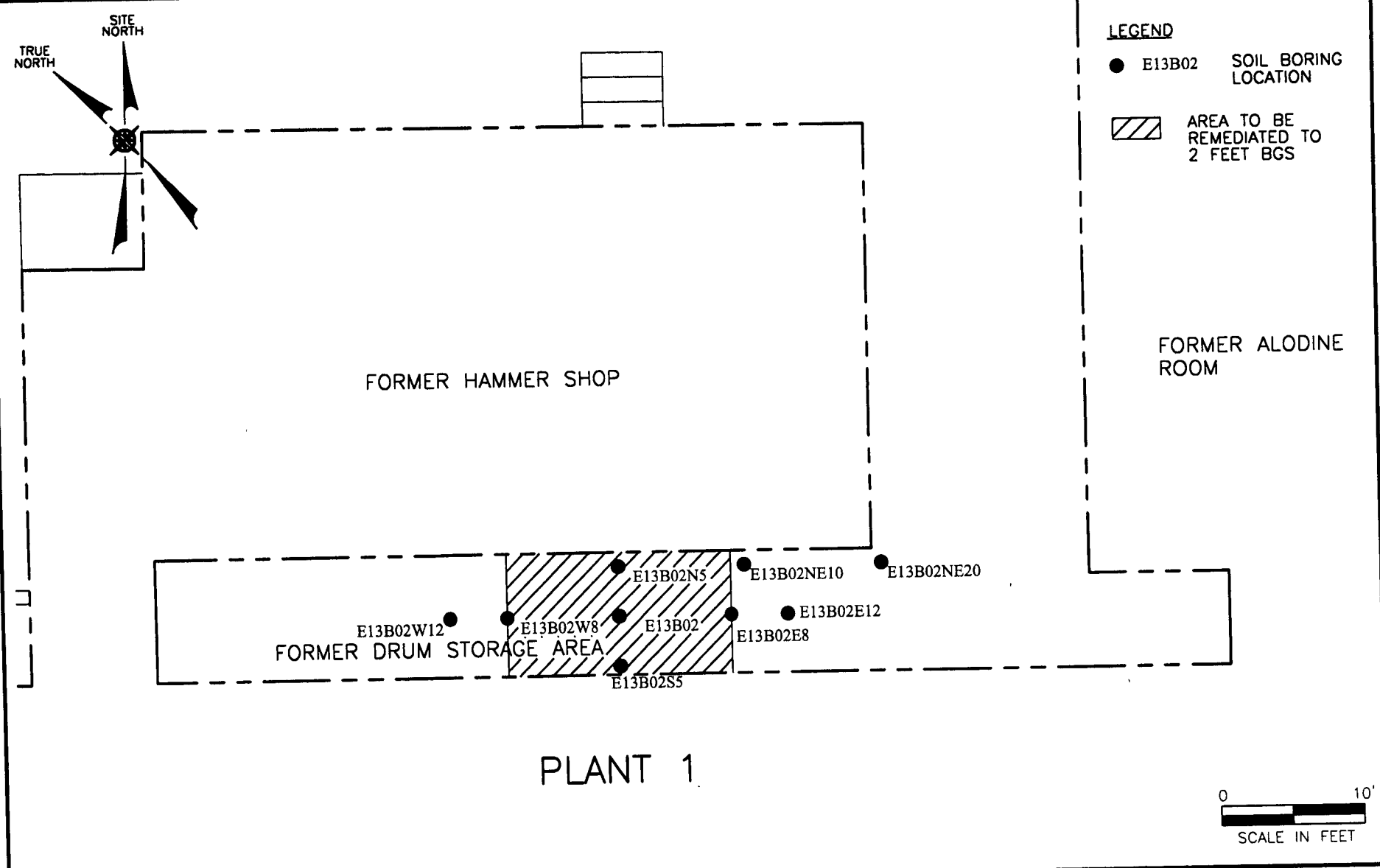
- E09B01    ●    PHASE II SOIL BORING
- E09B01A    ⊕    RECOMMENDED SOIL BORING



NORTHROP GRUMMAN CORPORATION  
BETHPAGE NEW YORK  
PLANT 1

**RECOMMENDATION FOR ADDITIONAL INVESTIGATION  
FORMER COAL STORAGE BIN**





PLANT 1

#### 4.2.13 Former On-site Recharge Basin (E19)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.14 Unidentified Pit (E20)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.15 Former AST and Salvage Area (E21)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.16 Material Storage Area (E22)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.17 Former Concrete Sump Pit (E25)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.18 Location of Former Trichloroethylene Tank (E27)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.19 Pump Station "A" (E30)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.20 Catch Basins (Vicinity of Pump House/Water Tank) (E32)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.21 Former Tank 1111 (Between Hangars 1 and 2) (E33)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.22 Courtyard Between Hangars 1 and 2 (E34)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.23 Area West of Hangar 1 (E35)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.24 Former Drainage Swale (North of Maint. Area) (E36)

As discussed in Section 3, *total* PCBs were detected at a concentration of 13,000 ug/kg in soil sample E36B02 (3'-5') which exceeded the Plant 1 site-specific criteria. However, the horizontal and vertical extent of impacted soil has not been fully determined. Consequently, further sampling and analysis is warranted. It is therefore recommended to advance one soil

boring immediately adjacent to soil boring E36B02 to a depth of 15 feet below grade. Continuous 2-foot soil samples should be collected from the 5 to 15-foot interval for PCBs analysis by Method 8082. In addition, it is recommended to advance four soil borings 5 feet north, south, east and west of soil boring E36B02 to a depth of 15 feet below grade. Continuous 2-foot soil samples should be collected from 1 to 15 feet from each these four soil borings for PCBs analysis by Method 8082. The recommended soil sample locations for AOC E36B02 are shown on Figure 4-7.

#### 4.2.25 Former Discoloration (Southeast Parking Area) (E37)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.26 Boiler Room Exterior Former Dry Well (E38)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

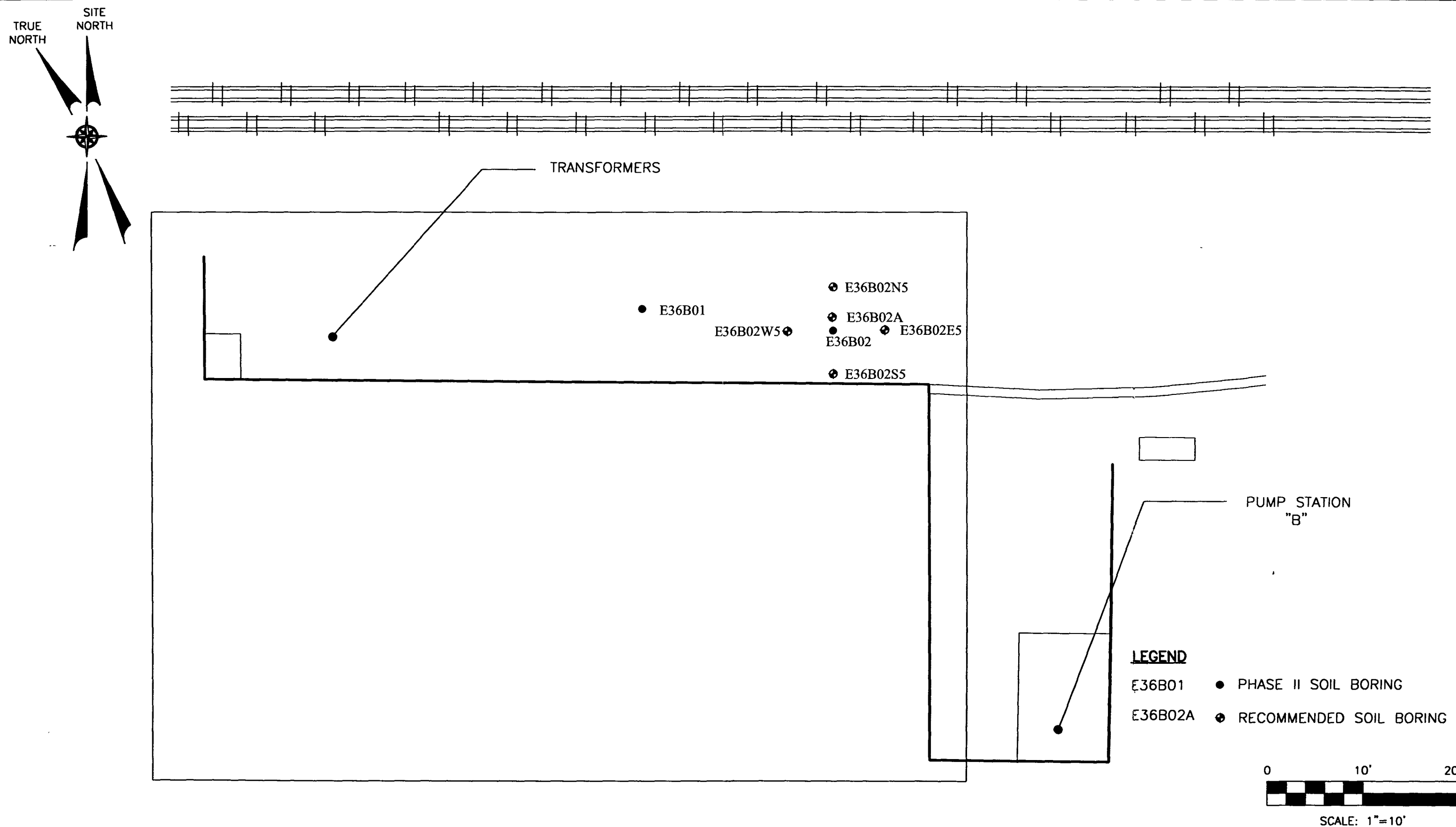
#### 4.2.27 Dry Well Outside Former Facility Maintenance Area (E39)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.28 Dry Well Outside Former Paint Tunnel (E41)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

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#### 4.2.29 Unidentified Pit Outside Boiler Room (E42)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.30 Former 2,000 Gal Gas USTs (4) South of Refrig./AC Room (E43)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.31 Former Gas Pump House South of Refrig./AC Room (E44)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.32 Fill Material Within Abandoned Leaching Pools

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.33 LIPA Pit/Sump (D14)

Based on the results of the Phase II Site Assessment, it appears that further investigation or remediation is not warranted.

#### 4.2.34 Square Ejector Pit North of Recharge Basin (D15)

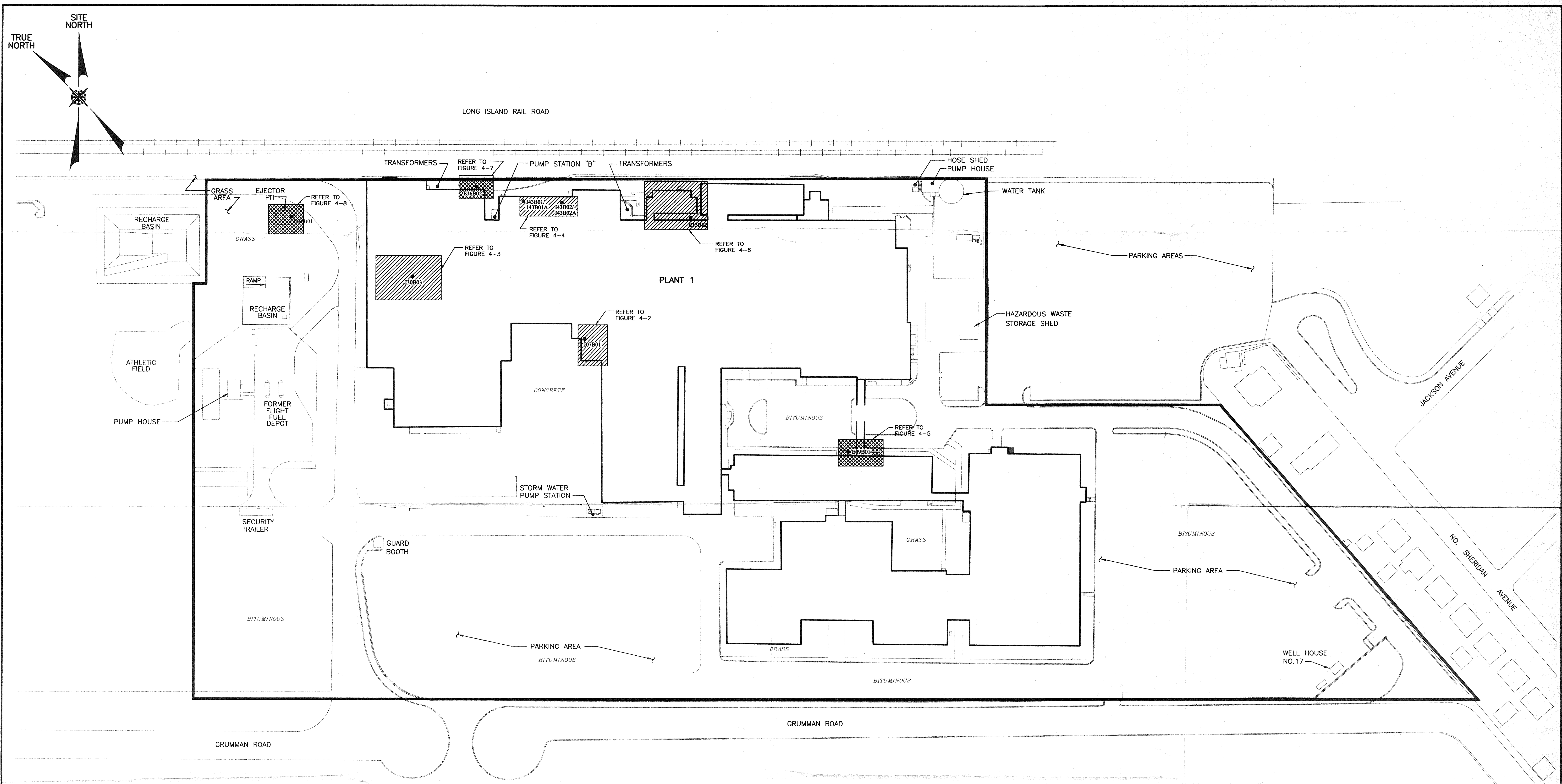
As discussed in Section 3, chromium was detected at a concentration of 584 mg/kg in soil sample D15B01 (19'-21') which exceeded the Plant 1 site-specific criteria. However, the horizontal and vertical extent of impacted soil has not been fully determined. Consequently, further sampling and analysis is warranted. It is therefore recommended to advance one soil

boring immediately adjacent to soil boring D15B01 to a depth of 31 feet below grade. Continuous 2-foot soil samples should be collected from the 21 to 31-foot interval for chromium analysis by Method 6010. In addition, it is recommended to advance three soil borings 8 feet north, 8 feet east and 10 feet northwest of soil boring E36B02 to a depth of 30 feet below grade. Continuous 2-foot soil samples should be collected from 10 to 30 feet from each these three soil borings for chromium analysis by Method 6010. It is also recommended to advance a soil boring adjacent to the west and south walls of the ejector pit to a depth of 30 feet. Continuous 2-foot soil samples should be collected from 10 to 30 feet from each these soil borings for chromium analysis by Method 6010.

Since soil samples have not been previously collected from beneath the ejector pit, it is recommended to pump out all liquid and sludge from the pit to facilitate sampling. Two soil borings should be advanced through the bottom of the pit, at locations to be determined in the field, to a depth of approximately 8 feet. Continuous 2-foot soil samples should be collected from 0 to 8 feet below the bottom of the pit from each these soil borings for chromium analysis by Method 6010. All recommended soil sample locations for AOC D15B01 are shown on Figure 4-8.

#### **4.3 Groundwater Investigation**

As previously discussed in Section 3, four shallow groundwater monitoring wells (PLT1MW-01, 02, 03, and 04) were installed at the Plant 1 site to determine whether shallow groundwater has been impacted. In addition, groundwater samples were collected from two existing monitoring wells (PLT1GM-14 and PIT-INFFTMWD) and analyzed as part of the Phase II Site Assessment. The groundwater samples listed above were analyzed for RCRA metals (Methods 6010/7471), VOCs (Method 8260), SVOCs (Method 8270), and PCBs (Method 8082). Due to elevated turbidity levels of monitoring wells PLT1MW-01 and PLT1GM-14, the laboratory filtered and conducted dissolved metals analysis for groundwater samples collected from these wells. Groundwater sample PLT1GM-14 was analyzed for dissolved and undissolved RCRA metals due to the fact that this well had been recently sampled as part of a separate investigation. The analytical groundwater results presented in Section 3 did not indicate



NON-UIC STRUCTURES

**LEGEND**

107B01 ● PHASE II SOIL BORING LOCATION

▨ AREA AND ASSOCIATED SOIL BORINGS RECOMMENDED FOR REMEDIATION

▤ AREA AND ASSOCIATED SOIL BORINGS RECOMMENDED FOR ADDITIONAL INVESTIGATION

0 60 120  
SCALE IN FEET

NO.	DATE	REVISION	INT.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

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**db**  
**DVIRKA AND BARTILUCCI**  
CONSULTING ENGINEERS  
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

NORTHROP GRUMMAN CORPORATION  
BETHPAGE, NEW YORK  
  
**PLANT 1**

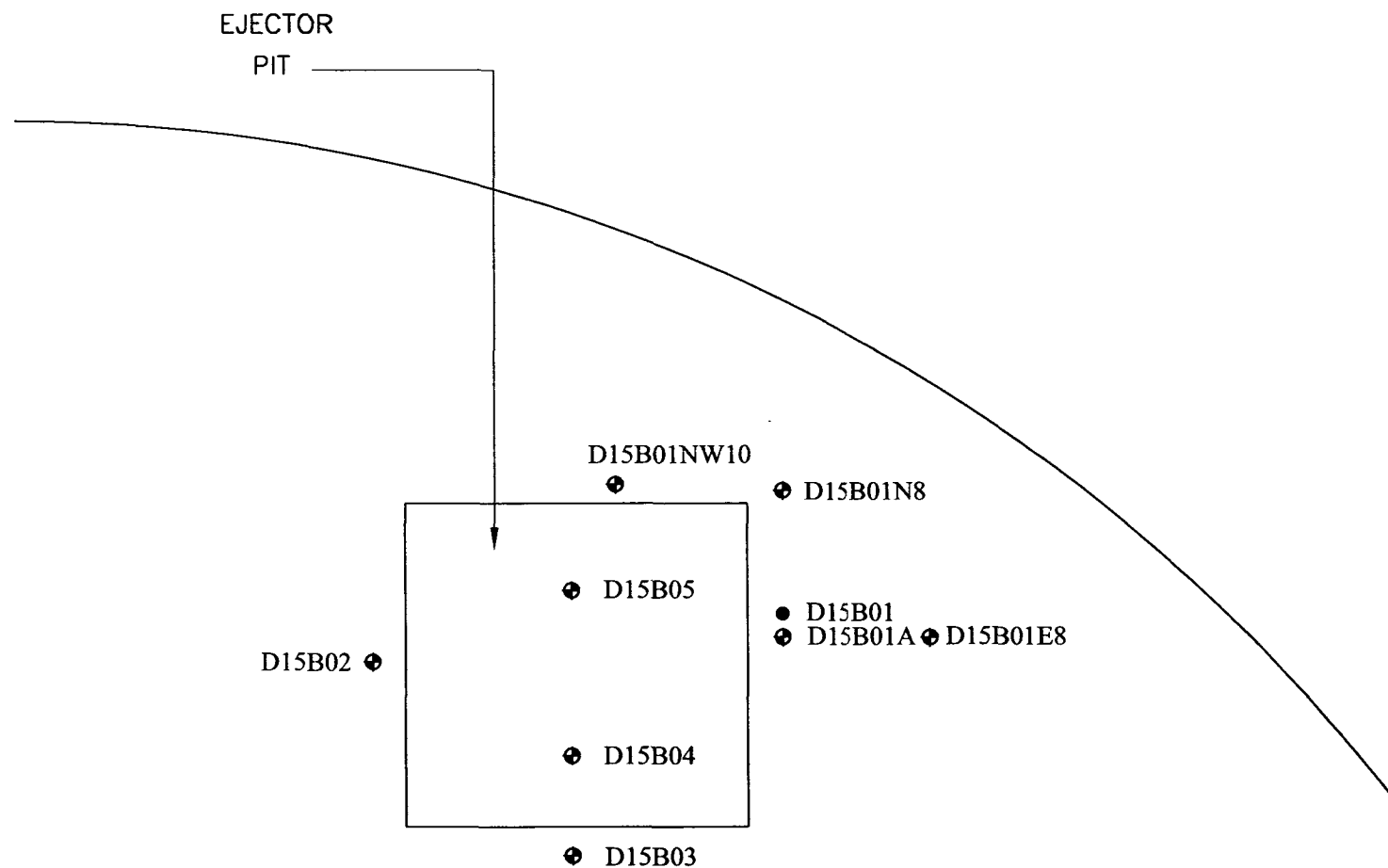
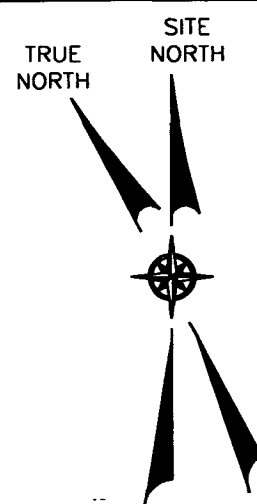
**AREAS OF CONCERN  
RECOMMENDED FOR ADDITIONAL  
INVESTIGATION OR REMEDIATION**

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MAY 2001  
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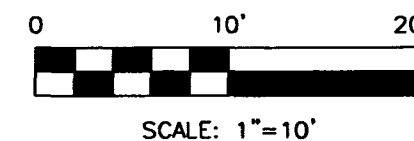


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**LEGEND**

- D15B01 ● PHASE II SOIL BORING
- D15B01A ◆ RECOMMENDED SOIL BORING



any exceedances of the NYSDEC Class GA groundwater standards/guidance values. As a result, further investigation or remediation with respect to groundwater at the Plant 1 site does not appear to be warranted at this time.

# Appendix A



## **APPENDIX A**

### **GEOPHYSICAL SURVEYS**



# NAEVA GEOPHYSICS INC.

A SUBSIDIARY OF NORTH AMERICAN EXPLORATION OF VIRGINIA INC.

## *Subsurface Geophysical Surveys*

GPR

MAGNETICS

ELECTROMAGNETICS

SEISMICS

RESISTIVITY

UTILITY LOCATION

BOREHOLE LOGGING

BOREHOLE CAMERA

STAFF SUPPORT

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## Results of Geophysical Investigation

Portions of a Northrop Grumman Corporation Facility: Plant 1

South Oyster Bay Road

Bethpage, New York

Prepared for: **Dvirka and Bartilucci Consulting Engineers**  
Woodbury, New York

Date of Investigation: September 18 through 20, 2000

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Prepared by:

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Project Manager  
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Methods

Results

Figure 1	Areas of Geophysical Investigation at Environmental Areas Of Concern E1, E2, and E3, Northrop Grumman Plant 1, Bethpage, New York
Figure 2	Area of Geophysical Investigation at Environmental Area Of Concern E4, Northrop Grumman Plant 1, Bethpage, New York
Figure 3	Area of Geophysical Investigation at Environmental Area Of Concern E6, Northrop Grumman Plant 1, Bethpage, New York
Figure 4	Area of Geophysical Investigation at Environmental Area Of Concern E7, Northrop Grumman Plant 1, Bethpage, New York
Figure 5	Area of Geophysical Investigation at Environmental Area Of Concern E8, Northrop Grumman Plant 1, Bethpage, New York
Figure 6	Area of Geophysical Investigation at Environmental Area Of Concern E10, Northrop Grumman Plant 1, Bethpage, New York
Figure 7	Area of Geophysical Investigation at Environmental Area Of Concern E12, Northrop Grumman Plant 1, Bethpage, New York
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Figure 9	Area of Geophysical Investigation at Environmental Area Of Concern E28, Northrop Grumman Plant 1, Bethpage, New York

**Results of Geophysical Investigation  
Portions of a Northrop Grumman Facility: Plant 1  
South Oyster Bay Road  
Bethpage, New York**

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**Introduction** On September 18 through 20, 2000, NAEVA Geophysics Inc. conducted geophysical investigations on 11 portions of the Northrop Grumman facility located in Bethpage, New York. The purpose of these investigations was to locate detectable subsurface features such as leaching pools, dry wells, sumps and settling tanks, and underground storage tanks (USTs) that were suspected of being present at the site. The areas of concern and their associated suspected subsurface targets, as outlined by the Dvirka and Bartilucci site representative, are listed below.

- E1** Former settling tanks/leaching pools
- E2** Six former leaching pools
- E3** Four former heat treat drainage wells
- E4** Former dry well
- E6** Leaching pool area
- E7** Nine leaching pools
- E8** Former leaching field with 20 leaching pools
- E10** Seven former leaching pools
- E12** Former dry well
- E25** Former concrete sump pit
- E28** Boiler room UST

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**Methods** The equipment selected for this investigation included: a Fisher TW-6 Pipe and Cable Locator (a type of electromagnetic metal-detector) and a GSSI SIR-3 ground penetrating radar (GPR) system with a 300 MHz antenna.

Each Area of Concern (AOC) that was not paved with reinforced concrete was initially investigated using the TW-6. The instrument was carried over the areas in a series of closely spaced parallel traverses to identify buried metallic objects that could represent metal or reinforced concrete features such as manhole covers, foundations, or the suspected UST.

Surface conditions permitting, GPR was used to investigate each metal-detector anomaly in an attempt to better characterize its source. GPR data was collected along traverses centered over the anomalies. In AOCs where

no metal-detector anomalies were found, as well as those areas paved with reinforced concrete (where the metal-detector can not be used), GPR data profiles were collected over a grid of parallel lines spaced 3 to 5 feet apart covering all accessible portions of the AOC. The data profiles were then examined for evidence of reflections that could be interpreted as being caused by the expected targets in each AOC.

Each detected feature was marked-out on the ground using florescent pink spray paint, and in non-paved areas, pin flags. The locations of subsurface features were measured from permanent aboveground features and used to produce scaled site maps for each AOC (see Figures 1 through 9).

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## **Results**

The results for each AOC are discussed separately below. In all discussions, compass directions are relative to Site North, which is approximately 45 degrees east of True North. GPR depth of penetration throughout the area of investigation was estimated to be approximately 3 to 4 feet in soil covered and asphalt-paved areas and less than 2 feet in areas paved with reinforced concrete.

**E 1** Eight leaching pools and a large approximately 45 by 47-foot former settling tank were identified at this site. Two additional leaching pools, whose expected locations were obscured by metallic surface debris, probably also exist. An 8 by 19-foot rectangular subsurface vault, which may be part of an in-use sewer system, is located east of the former settling tank, outside of the AOC.

The reported system layout for the leaching pools in this AOC was two north/south lines about 30 feet apart, each comprised of five leaching pools. The lids to the southernmost leaching pools of each line (E1-1 and E1-2) are exposed at the surface. Three buried leaching pool covers were delineated, at intervals of approximately 30 feet, north of each of these two exposed covers. The western line of pools is located roughly 3 feet east of the property line fence. A steel plate covers the expected location of the northeastern leaching pool E1-10. A Northrop Grumman employee stated that this plate covers a sinkhole. It is surmised that the sinkhole may represent a collapsed leaching pool. No metal lid was detected at E1-9, the expected location of the northwest leaching pool; however, the site was covered by metal signs and a stack of cast iron catch basin grates, which limited our investigative efforts.



**E 2** The apparent lids to four suspected leaching pools were identified beneath the asphalt at this site. Two additional leaching pools may also exist. Three of these buried covers (labeled E2-1 through E2-3 on the site map) are located in an east/west row spaced about 25 feet apart, 5 feet south of the AOC. The fourth suspected lid is in the western portion of the AOC, about 20 feet south of the fence. The GPR data profiles collected over each of these four anomalies showed flat metallic objects within 2 feet of the surface.

A circular blemish in the asphalt surface at location E2-5 correlates to the expected location of a reported leaching pool. The metal-detector gave no indication of a buried manhole cover at this location. The GPR data profile collected over this area showed evidence of a subsurface structure, but gave no conclusive evidence as to its identity.

Anomaly E2-6 correlates to the expected location of a sixth leaching pool. The metal-detector gave a very weak response at this location, however this response may be associated with subsurface electric lines that traverse this site. The GPR data profiles collected over this area detected the electric lines, but showed no evidence of a subsurface structure.

**E 3** One suspected manhole cover was identified beneath the asphalt within the borders of this AOC. In addition, three metal-detector anomalies were identified south of the AOC. The suspected manhole cover (E3-1) is indicated by a circular patch in the asphalt adjacent to the curb line near the center of the AOC. The three metal-detector anomalies (labeled E3-2 through E3-4 on the site map) are located between 5 and 30 feet south of the AOC. The GPR data profiles collected over anomalies E3-2 and E3-3 showed flat metallic objects within 2 feet of the surface. The GPR data profiles collected over E3-3 gave no indications as to the source of this anomaly. This anomaly elicited a much smaller response from the metal-detector than the other anomalies did.

**E 4** NAEVA found no evidence of the former dry well that was suspected to exist at this location. The metal-detector gave no indications of buried metallic dry well covers. The GPR data profiles, which were collected at a 3-foot line spacing across this AOC, showed no anomalous reflective images that could be interpreted as being caused by a dry well.

**E 6** Using GPR, four possible abandoned leaching pools were identified beneath the asphalt at this site. The four anomalies are located, along with two storm drain associated dry wells, in an east/west row

spaced roughly 20 feet apart, approximately 20 feet south of the building. A storm drain line runs across these anomalies and through the two storm drain manholes. This linear arrangement suggests that the two storm drain dry wells may have originally been part of the leaching pool system.

The TW-6 detected buried metal at only the eastern anomaly. The GPR data profiles, which were collected over the AOC at a 5-foot line spacing, confirmed a shallow metallic object at the center of the eastern anomaly and showed evidence of disturbed soil or possible subsurface structures at each of the three western anomalies.

**E 7** The apparent lids to 13 suspected leaching pools were identified beneath the asphalt within this AOC. An 8 by 8-foot rectangular metal-detector anomaly that may represent an abandoned settling tank was also identified.

The GPR data profiles collected over the 13 suspected leaching pools showed flat metallic objects believed to be steel leaching pool lids just below the asphalt surface at each location. The GPR data profiles collected over the possible settling tank gave no further information as to the nature of this anomaly. Similarly, the GPR gave no significant insight into the cause of an irregularly shaped metal-detector anomaly located at the northern entrance to the parking lot. Based upon the TW-6's response, it is believed that this anomaly is probably caused by buried metallic debris.

**E 8** NAEVA found no evidence of the 20 former leaching pools that were suspected to exist within this AOC. The metal-detector gave no indications of buried metallic dry well covers. The GPR data profiles, which were collected at a 3-foot line spacing in the courtyard portion of this AOC and a 5-foot line spacing in the parking lot portion, showed no anomalous reflective images that could be interpreted as being caused by leaching pools. GPR data was not collected over the active roadway portion of this AOC due to safety concerns.

**E 10** This AOC was divided into two portions, one on either side of the elevated walkway that crosses the site. A former septic tank and leach pool were expected in the eastern portion of the AOC and six former leaching pools were expected in the western portion.

Seven metal-detector anomalies were identified beneath the grass within the borders of the eastern portion of this AOC, however, only two of these anomalies, E10-1 and E10-2, coincide with the expected locations of the

suspected former septic tank and leaching pool. The GPR data profiles collected over the seven anomalies showed evidence of buried metallic objects but gave no indications as to the character of the anomalies. Anomaly E10-7 elicited a much smaller response from the metal-detector than the other anomalies did.

No evidence of the six pools suspected to exist in the western portion of the AOC was seen. The TW-6 indicated the presence of one buried metallic object in the northeast corner of this portion of the AOC, but the apparent linear nature of this anomaly is more consistent with buried metallic debris than with a leaching pool. The GPR data profiles, which were collected east/west at a 5-foot line spacing across this area, showed no anomalous reflective images that could be interpreted as being caused by leaching pools.

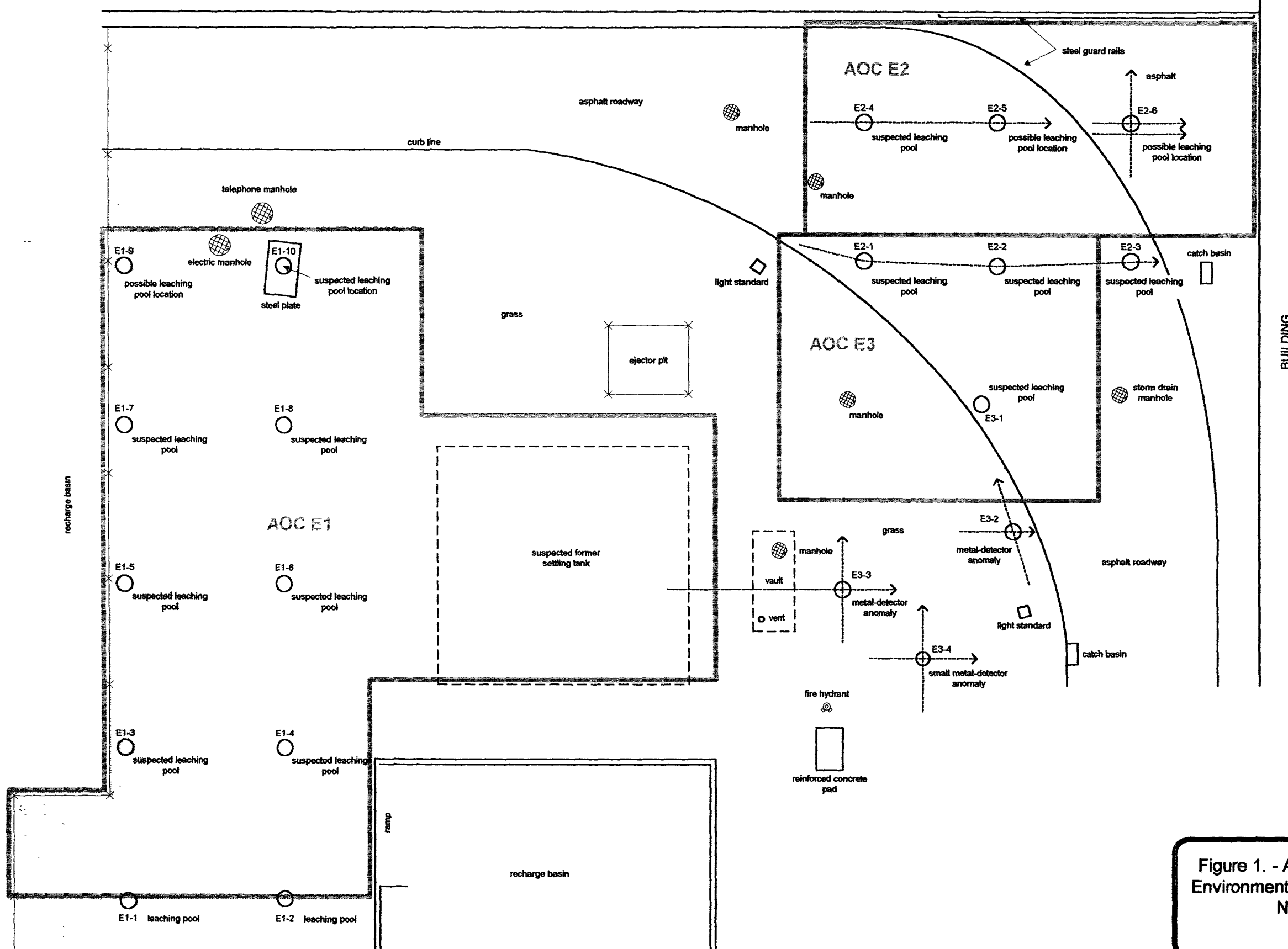
**E 12** NAEVA found no evidence of a former dry well within this AOC. The metal-detector gave no indications of buried metallic dry well covers. The GPR data profiles, which were collected at a 5-foot line spacing across the AOC, showed no anomalous reflective images that could be interpreted as being caused by a dry well. It should be noted that the lid to a dry well is exposed at the surface just outside of the area of investigation, 6 feet north of the AOC's northeast corner.

**E 25** NAEVA found no evidence of the concrete sump pit that was suspected to exist at this location, however site conditions severely impacted our investigation. The reinforced concrete pavement prevented the use of the metal-detector and limited the GPR's depth of penetration to less than 1-foot.

**E 28** NAEVA found no evidence of an abandoned UST within this AOC. The metal-detector gave no indications of large buried metallic objects. The GPR data profiles, which were collected at a 4-foot line spacing both north/south and east/west across the AOC, showed no hyperbolic reflections typically indicative of an underground storage tank.

Former product and return lines, which were exposed at the base of the generator located inside the boiler room, were traced using a utility locating instrument. These lines both exit the west side of the building above grade. This would tend to indicate that the tank associated with these lines would have been above ground.

A vault and a vent pipe were noted adjacent to the building, about 5 feet east of the AOC, but stored materials blocked access to them. The relatively large diameter of the vent pipe suggests that they may be associated with a sewer system rather than the suspected UST.



# EXPLANATION

- Ground Penetrating Radar Profiles (GPR)
- Stored Materials

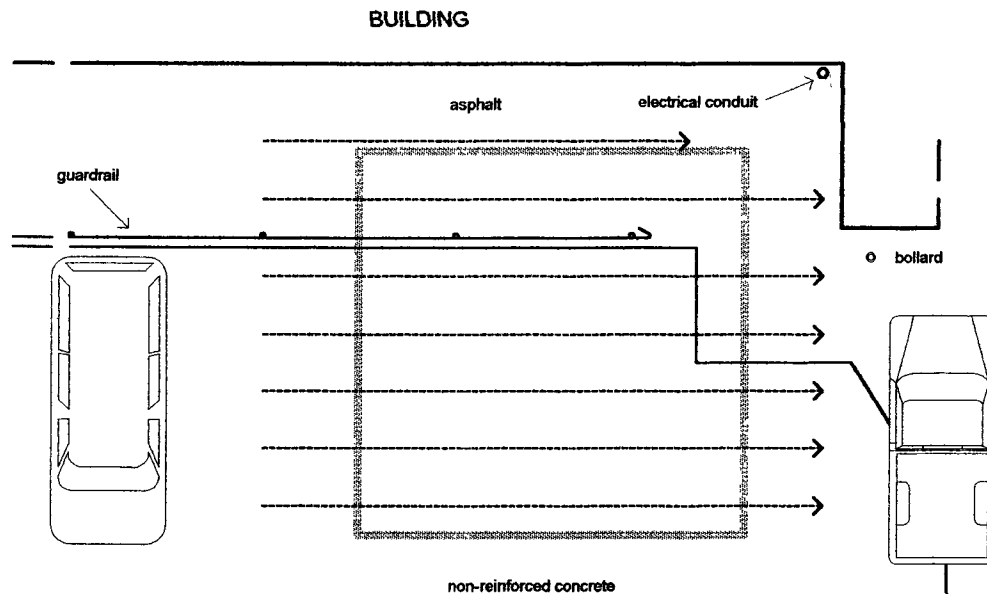
Scale: One inch equals approximately twenty feet

NAEVA Geophysics Project No. C0009181W  
Dates of Investigation: September 18 - 20th, 2000

Map by Clay McMullen

Figure 1. - Area Of Geophysical Investigation At Environmental Areas Of Concern E1, E2, and E3, Northrop Grumman Plant 1, Bethpage, New York.

Figure 2 - Area of Geophysical Investigation at  
Environmental Area Of Concern E4,  
Northrop Grumman Plant 1,  
Bethpage, New York.



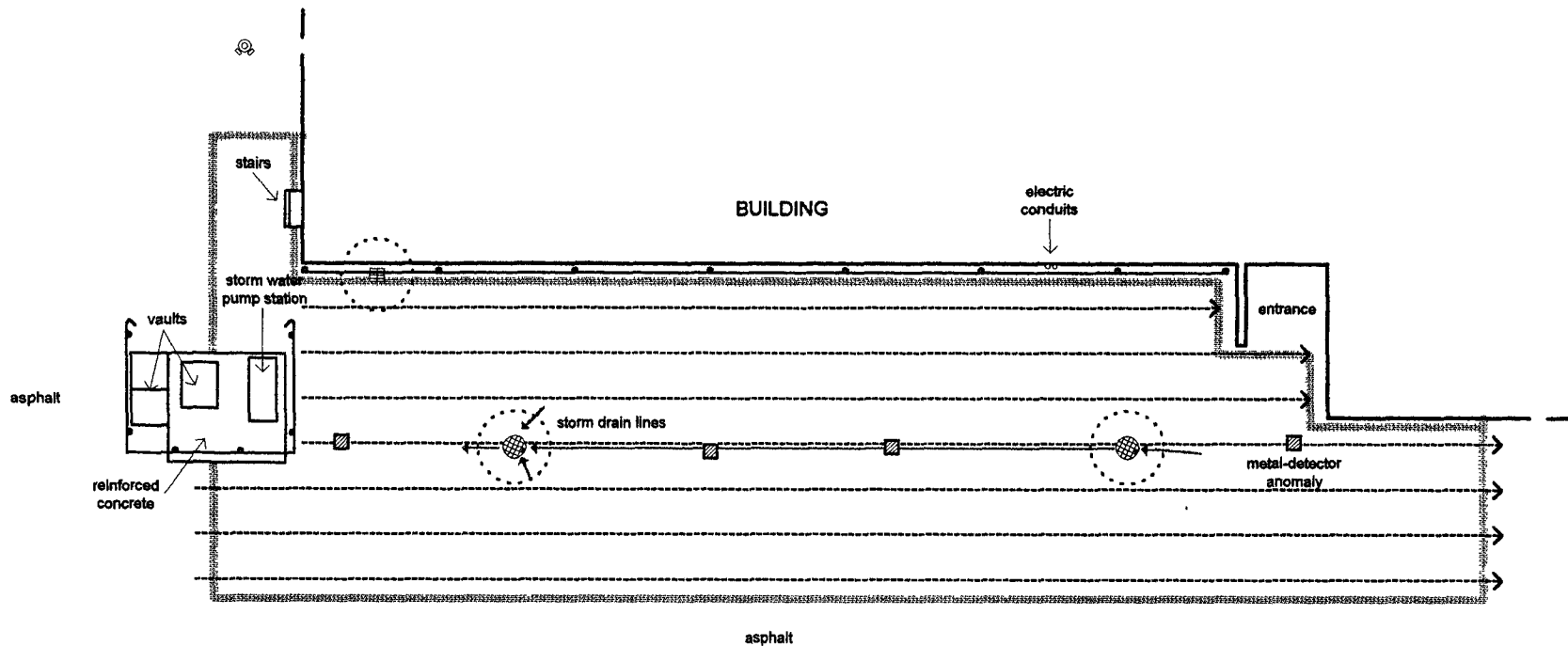
Scale: One inch equals approximately ten feet

NAEVA Geophysics Project No. C0009181W  
Dates of Investigation: September 18 - 20, 2000  
Map by Clay McMullen

#### EXPLANATION

- > Ground Penetrating Radar Data Profiles
- Area Of Concern

Figure 3. - Area of Geophysical Investigation at  
Environmental Area Of Concern E6,  
Northrop Grumman Plant 1,  
Bethpage, New York.



0 10 20 ft

Scale: One inch equals approximately twenty feet

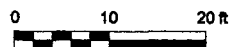
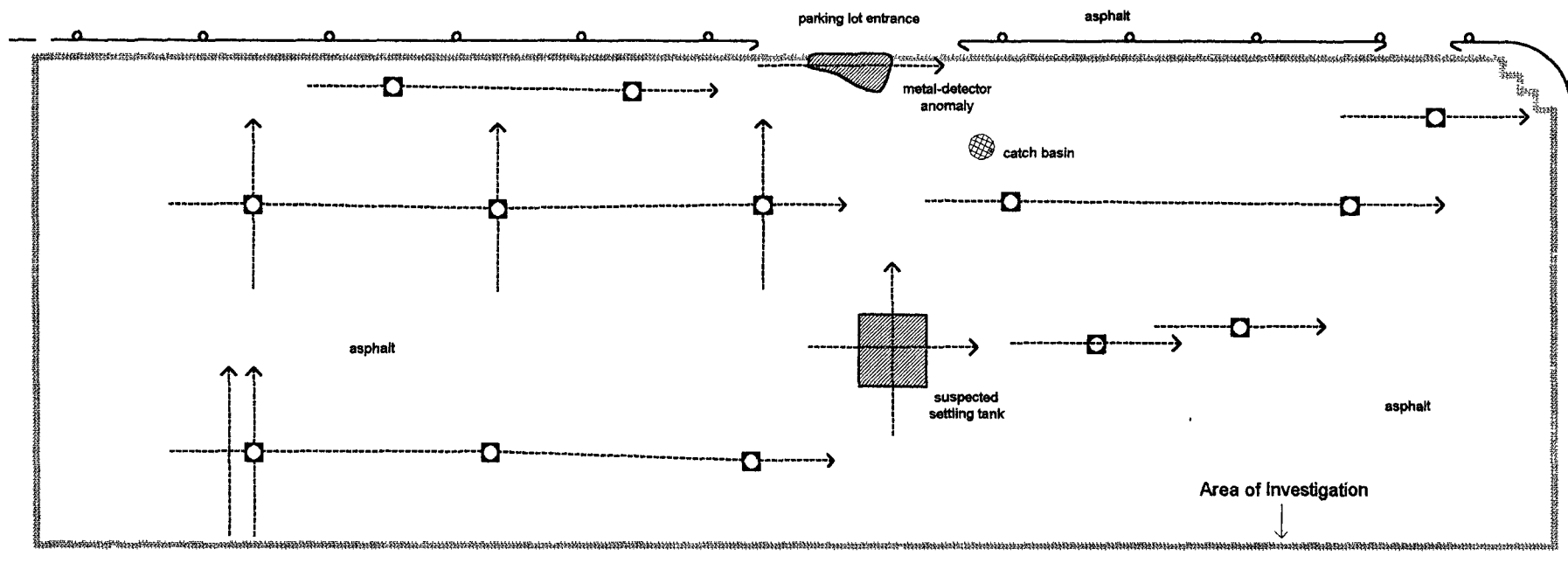
NAEVA Geophysics Project No. C0009181W  
Dates of Investigation: September 18 - 20, 2000  
Map by Clay McMullen



### EXPLANATION

- Area of concern
- Ground Penetrating Radar Data Profiles
- Guardrail
- Possible Leaching Pools
- Catch Basin and Dry Well
- Manhole to Storm Drain Dry Well
- Fire Hydrant
- Metal-detector anomaly

Figure 4. - Area of Geophysical Investigation at  
Environmental Area Of Concern E7,  
Northrop Grumman Plant 1,  
Bethpage, New York.







Scale: One inch equals approximately twenty feet

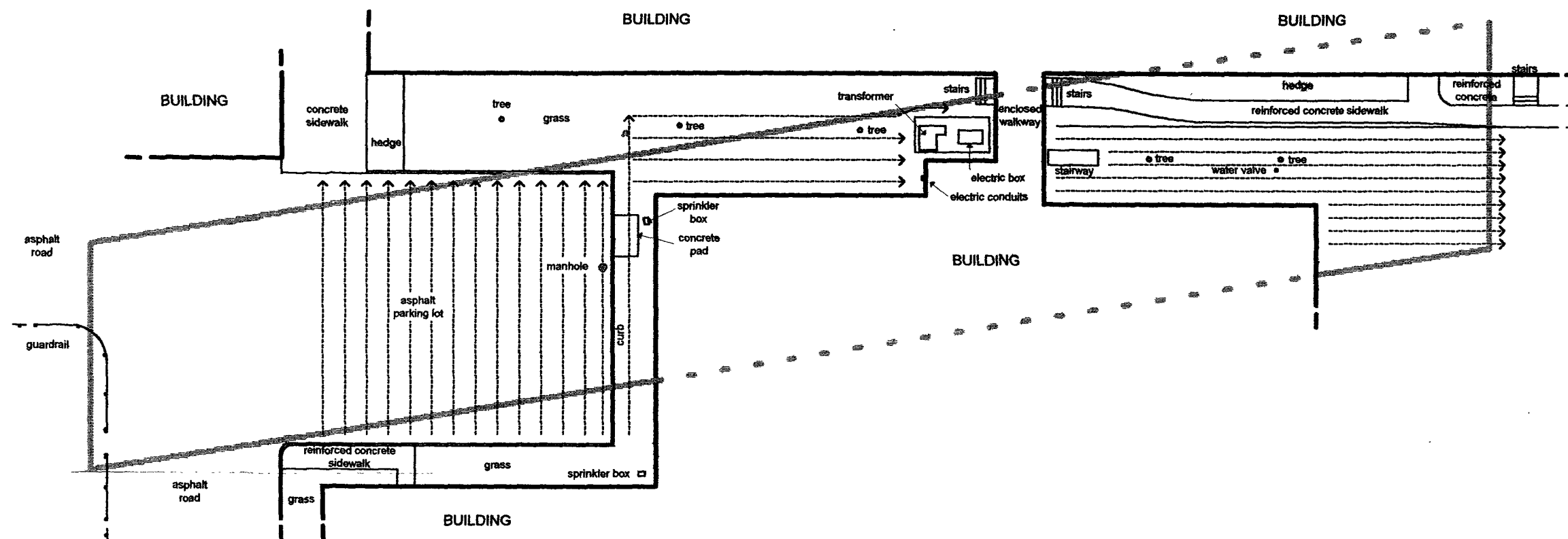
NAEVA Geophysics Project No. C0009181W  
Dates of Investigation: September 18 - 20, 2000  
Map by Clay McMullen



# EXPLANATION

-  Suspected Leach Pool
-  Ground Penetrating Radar Data Profiles
-  Guardrail
-  Metal-detector Anomaly





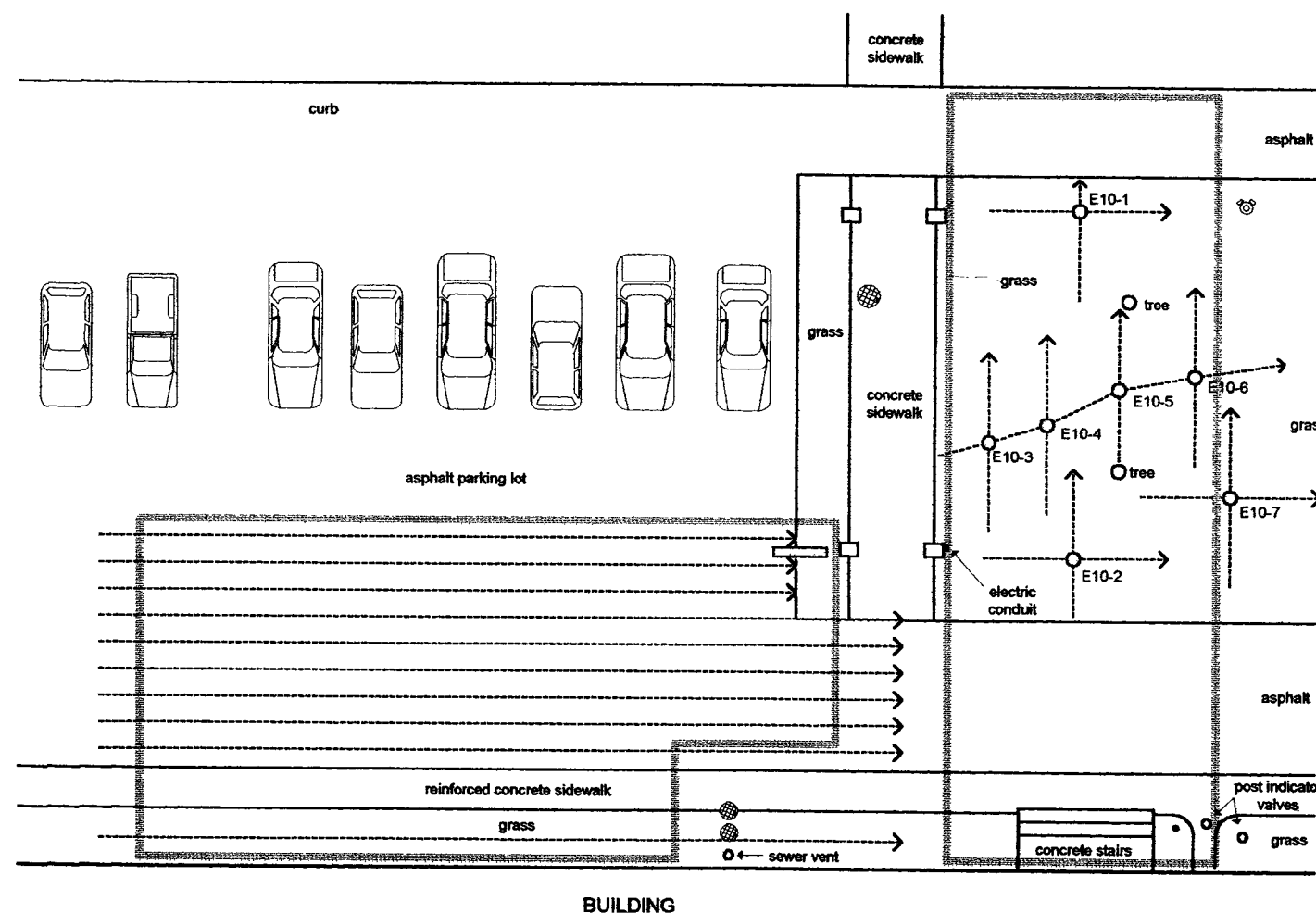
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Scale. One inch equals approximately thirty feet

NAEVA Geophysics Project No. C0009181W  
Date of Investigation: September 18 - 20th, 2000  
Map by Clay McMullen

### EXPLANATION

- Fire Hydrant
- Manhole
- Area of Geophysical Investigation
- Ground Penetrating Radar Data Profiles

Figure 5 - Area of Geophysical Investigation  
at Environmental Area Of Concern E8,  
Northrop Grumman Plant 1,  
Bethpage, New York.



# EXPLANATION

- Ground Penetrating Radar Profiles
- Area of Geophysical Investigation
- ⊙ Fire Hydrant
- ⊙ Sewer Manhole Cover
- Metal Detector Anomaly
- Footings for Overhead Walkway

0 10 20 ft  
 Scale: One inch equals approximately twenty feet

NAEVA Geophysics Project No. C0009181W  
 Date of Investigation: September 18 - 20, 2000  
 Map by Clay McMullen

Figure 6 - Area of Geophysical Investigation  
 at Environmental Area Of Concern Area E10,  
 Northrop Grumman Plant 1,  
 Bethpage, New York.

Figure 7 - Area of Geophysical Investigation at  
Environmental Area Of Concern E12,  
Northrop Grumman Plant 1,  
Bethpage, New York.



site north



Scale: One inch equals approximately ten feet

NAEVA Geophysics Project No. C0009181W  
Dates of Investigation: September 18 - 20, 2000

Map by Clay McMullen

### EXPLANATION

-----> Ground Penetrating Radar Data Profiles

----- Area of Concern



Manhole

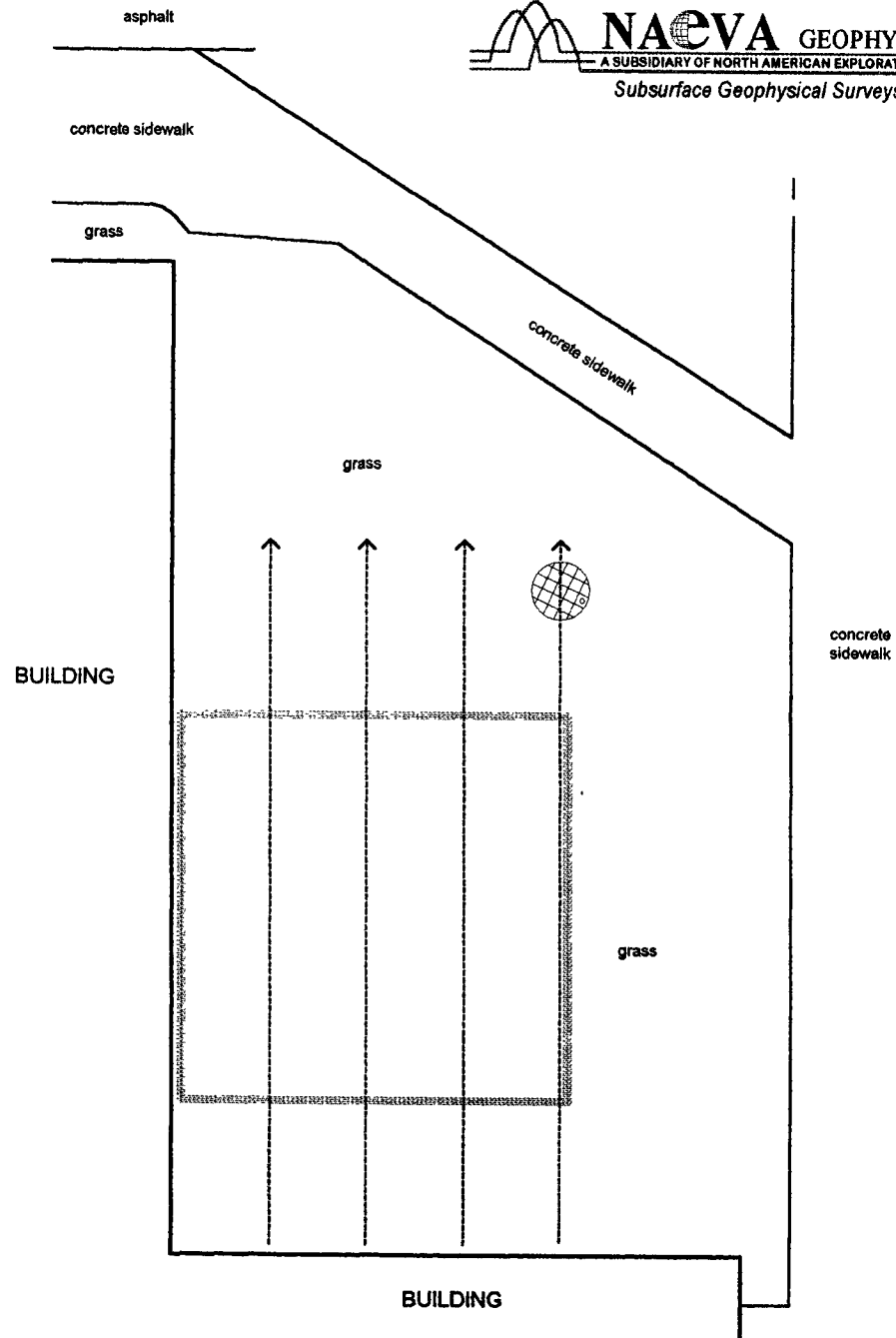
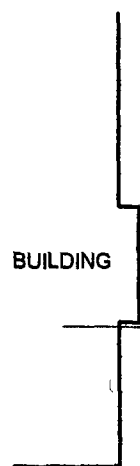
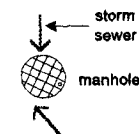
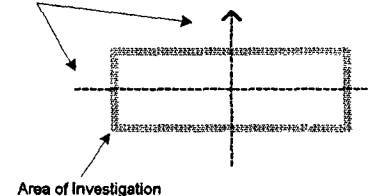


Figure 8. - Area of Geophysical Investigation at  
Environmental Area Of Concern E25,  
Northrop Grumman Plant 1,  
Bethpage, New York.

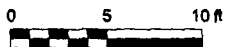


reinforced concrete

GPR Data Profiles



reinforced concrete



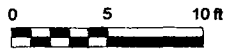
Scale: One inch equals approximately ten feet

NAEVA Geophysics Project No. C0009181W  
Dates of Investigation: September 18-20, 2000

Map by Clay McMullen

asphalt

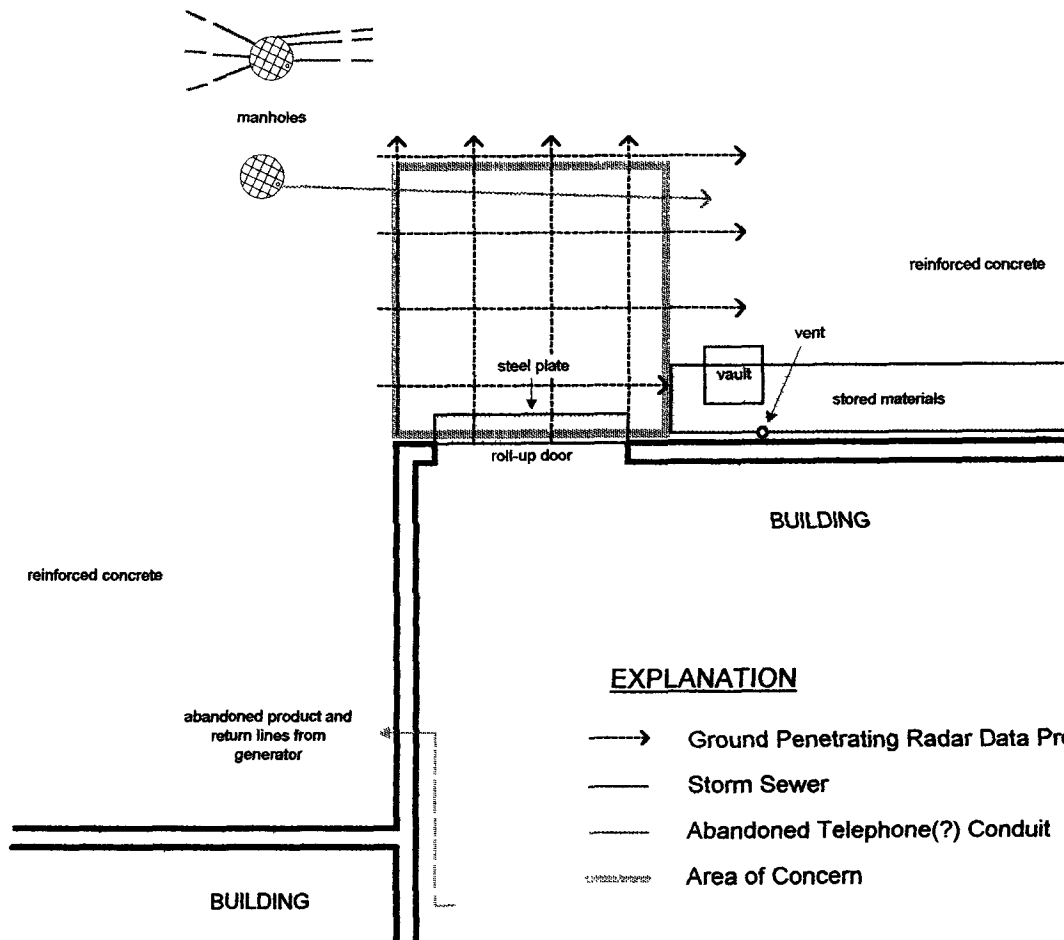
Figure 9 - Area of Geophysical Investigation  
at Environmental Area Of Concern E28,  
Northrop Grumman Plant 1,  
Bethpage New York.



Scale: One inch equals approximately ten feet

NAEVA Geophysics Project No. C0009181W  
Dates of Investigation: September 18 - 20, 2000

Map by Clay McMullen



#### EXPLANATION

- Ground Penetrating Radar Data Profiles
- Storm Sewer
- Abandoned Telephone(?) Conduit
- Area of Concern

# Appendix B

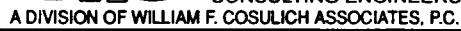


## **APPENDIX B**

### **BORING LOGS**







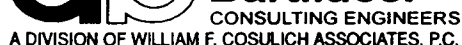
**Notes:** 7" thick concrete at grade  
Rain falling outside. Interior background PID readings  
of 3-5 ppm may be due to high humidity.







Page 1 of 1



**Boring No.:** I06B02

Sheet 1 of 1

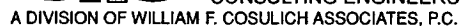
**By:** MR

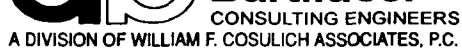
## Phase II Site Assessment

**Setting Diameter:**  $\frac{1}{2}$  inch

Lithology Description	
0-10":	Brown-black SILT and fine to coarse SAND, trace fine to medium GRAVEL, dry, no odor
10"-22":	Brown SILT, some fine to medium SAND, trace fine to medium GRAVEL, dry, no odor
0-10":	Orange-brown, fine to coarse SAND, trace SILT, little fine to medium GRAVEL, dry, no odor
10"-18":	Gray SILT and fine to medium SAND, trace fine to medium GRAVEL, dry, no odor

**Notes:** 7" thick concrete at grade

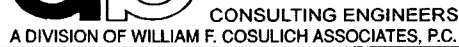




**Boring No.:** I07B01N8  
**Sheet** 1 of 1  
**By:** MR

**Boring Completion Depth:** 7 ft.  
**Ground Surface Elevation:** - ft.  
**Boring Diameter:** 2 in.

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> 3" thick concrete at grade
---	--



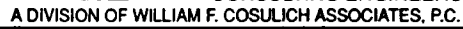
<b>Geologist:</b> Mark Rauber	<b>Boring Completion Depth:</b>	7 ft.
<b>Drilling Method:</b> Geoprobe	<b>Ground Surface Elevation:</b>	-- ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	2 in.
<b>Date Completed:</b> January 3, 2001		

<b>Geologist:</b> Mark Rauber	<b>Boring Completion Depth:</b>	7 ft.
<b>Drilling Method:</b> Geoprobe	<b>Ground Surface Elevation:</b>	-- ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	2 in.
<b>Date Completed:</b> January 3, 2001		

[illegible]

**Notes:** 3" thick concrete floor slab





**By: MR**

**Boring Diameter:** 2 in.

0-24": Brown to tan SILTY/CLAYEY SAND with a gray tint,  
trace GRAVEL, moist, no odor

**Notes:** Boring conducted in a backfilled pit which has a 2" thick bottom and is covered by a 3" thick concrete floor slab.





## Phase II Site Assessment

**Date Completed:** September 21, 2000

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> 2" thick concrete at grade
---	--



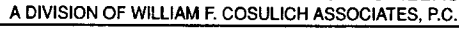
## Phase II Site Assessment

**Boring Diameter:** 2 in.

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> Boring conducted to target beneath a back-filled former 4'-3" deep pit running north-south within the former Paint Tunnel.
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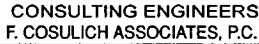
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<b>Geologist:</b> Ken Wenz	<b>Boring Completion Depth:</b>	12 ft.
<b>Drilling Method:</b> Geoprobe	<b>Ground Surface Elevation:</b>	— ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	2 in.
<b>Date Completed:</b> September 25, 2000		

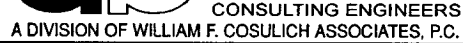
**Notes:** 2" thick concrete at grade



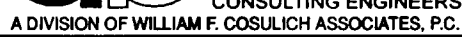
Page 1 of 1







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Page 1 of 1

Project No.: 1852 Boring No.: I11B05  
Project Location: Bethpage, NY Sheet 1 of 1  
Project Name: Plant 1 - By: MR  
Phase II Site Assessment

Drilling Contractor: Emington  
Driller: W. Rowland  
Drill Rig: Earthprobe  
Date Started: September 28, 2000

Geologist: Ken Wenz Boring Completion Depth: 5 ft.  
Drilling Method: Geoprobe Ground Surface Elevation: -- ft.  
Drive Hammer Weight: N/A Boring Diameter: 2 in.  
Date Completed: September 28, 2000

Depth (ft.)	Soil Sample			Blows (Per 6")	Rec. (inches)	PID (ppm)	Lithology Description
	No.	Type					
1-3	1	GP	--	22	0.0	0-12": Brown SILT, trace fine to medium SAND, dry, no odor	12"-22": Brown to tan, fine to coarse SAND, trace SILT, trace fine to medium GRAVEL, dry, no odor
3-5	2	GP	--	24	0.0	0-24": Brown to tan, fine to coarse SAND, trace SILT, trace fine to medium GRAVEL, dry, no odor	

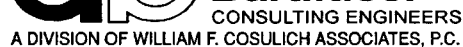
**Sample Type:**  
SS = Split Spoon HA = Hand Auger GP = Geoprobe  
CC = Concrete Core HP = Hydropunch

**Notes:** 8" thick concrete at grade



<b>Geologist:</b> Mark Rauber	<b>Boring Completion Depth:</b>	4 ft.
<b>Drilling Method:</b> Geoprobe	<b>Ground Surface Elevation:</b>	— ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	2 in.
<b>Date Completed:</b> October 16, 2000		

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> Boring conducted within a 27" deep pit with a 6" thick concrete bottom. Boring depths are from beneath bottom of pit.
---	---



Page 1 of 1



<b>Geologist:</b> Ken Wenz	<b>Boring Completion Depth:</b>	5 ft.
<b>Drilling Method:</b> Geoprobe	<b>Ground Surface Elevation:</b>	— ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	2 in.
<b>Date Completed:</b> September 21, 2000		



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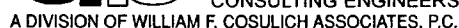


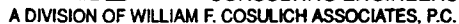


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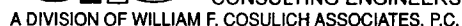




## Phase II Site Assessment

**Boring Diameter:** 2 in.

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> Boring conducted to target a former dry well backfilled to grade. Boring conducted manually. Refusal encountered at 7' below grade.
---	---



## Phase II Site Assessment

**Notes:** Boring advanced through the bottom of a 2' deep backfilled concrete pit with a 13" thick concrete bottom and a 5" thick concrete floor slab at grade

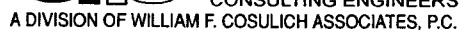


<b>Geologist:</b> Keith Wenz	<b>Boring Completion Depth:</b>	5 ft.
<b>Drilling Method:</b> Geoprobe	<b>Ground Surface Elevation:</b>	-- ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	2 in.
<b>Date Completed:</b> September 26, 2000		

[illegible]

0-2": Brown SILT, some CLAY, trace fine to medium SAND, dry, no odor  
2"-20": Brown, fine to medium SAND, trace SILT, dry, no odor

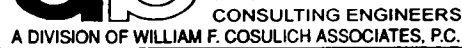
**Notes:** 8" thick concrete at grade



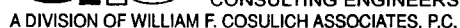
## Phase II Site Assessment

**Notes:** 6" thick concrete at grade





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## Phase II Site Assessment

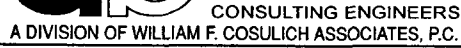
2 in.

[illegible]

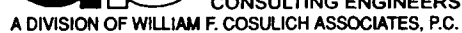
**Notes:** 8" thick concrete floor at grade  
8" void below concrete floor



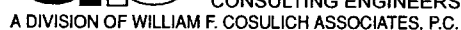
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## Phase II Site Assessment

### Lithology Description

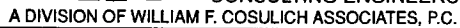
2" thick concrete at grade



## Phase II Site Assessment

2 in.

**Notes:** Boring advanced through the bottom of a 1' deep concrete sump with a 5" thick concrete bottom in the basement of Pump Station "B".

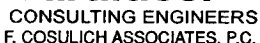


## Phase II Site Assessment

**Notes:** Boring conducted within 12" deep trench with a 4" thick concrete bottom







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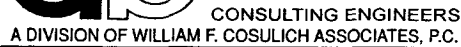
## Phase II Site Assessment

**Boring Diameter:** 2 in.

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> concrete is 7" thick beneath wood block floor
---	---









<b>Project No.:</b>	1852	<b>Boring No.:</b>	I30B03E12
<b>Project Location:</b>	Bethpage, NY	<b>Sheet</b>	1 of 1
<b>Project Name:</b>	Plant 1 - Phase II Site Assessment	<b>By:</b>	MR

**Drilling Contractor:** Emington  
**Driller:** W. Rowland  
**Drill Rig:** Earthprobe  
**Date Started:** December 28, 2000

<b>Geologist:</b> Mark Rauber	<b>Boring Completion Depth:</b>	10 ft.
<b>Drilling Method:</b> Geoprobe	<b>Ground Surface Elevation:</b>	— ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	2 in.
<b>Date Completed:</b> December 28, 2000		

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> 3" thick concrete beneath wood block floor
---	--

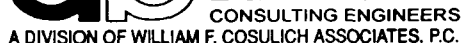


<b>Project No.:</b>	1852	<b>Boring No.:</b>	I30B03W12
<b>Project Location:</b>	Bethpage, NY	<b>Sheet</b>	1 of 1
<b>Project Name:</b>	Plant 1 -	<b>By:</b>	MR
	Phase II Site Assessment		

<b>Geologist:</b> Mark Rauber	<b>Boring Completion Depth:</b>	10 ft.
<b>Drilling Method:</b> Geoprobe	<b>Ground Surface Elevation:</b>	– ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	2 in.
<b>Date Completed:</b> December 28, 2000		

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> 3" thick concrete beneath wood block floor
---	--

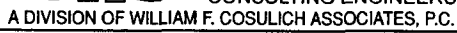




## Phase II Site Assessment

**Date Completed:** September 19, 2000

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> concrete is 7" thick beneath wood block floor PID readings in borehole: 500-1000 ppm
---	---



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<b>Geologist:</b> Ken Wenz	<b>Boring Completion Depth:</b>	5 ft.
<b>Drilling Method:</b> Geoprobe	<b>Ground Surface Elevation:</b>	-- ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	2 in.
<b>Date Completed:</b> September 18, 2000		

<b>Geologist:</b> Ken Wenz	<b>Boring Completion Depth:</b>	5 ft.
<b>Drilling Method:</b> Geoprobe	<b>Ground Surface Elevation:</b>	-- ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	2 in.
<b>Date Completed:</b> September 18, 2000		

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> concrete is 7" thick at grade
---	---





<b>Geologist:</b> Keith Robbins	<b>Boring Completion Depth:</b>	5 ft.
<b>Drilling Method:</b> Geoprobe	<b>Ground Surface Elevation:</b>	— ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	2 in.
<b>Date Completed:</b> September 19, 2000		

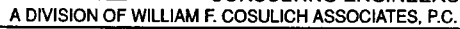
**Notes:** 8" thick concrete at grade  
Rain falling outside. Interior background PID readings  
of 3-4 ppm may be due to high humidity,



Page 1 of 1



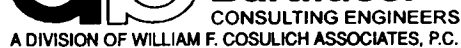




## Phase II Site Assessment

**Boring Diameter:** 2 in.

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> 7" thick concrete beneath wood block floor
---	--



## Phase II Site Assessment

**Date Completed:** December 20, 2000

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> 7" thick concrete beneath wood block floor
---	--



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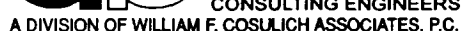
## Phase II Site Assessment

**Date Completed:** September 20, 2000

Notes:

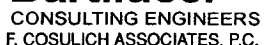


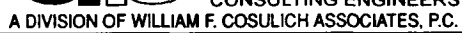




## Phase II Site Assessment

**Notes:** Boring conducted adjacent to a 4' deep pit

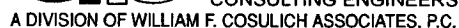




## Phase II Site Assessment

**Boring Diameter:** 2 in.

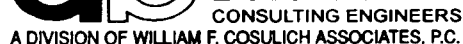
**Notes:** 8" thick concrete at grade



## Phase II Site Assessment

**Boring Diameter:** 2 in.

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> 6" thick concrete at grade
---	--



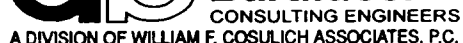
## Phase II Site Assessment

**Boring Diameter:** 2 in.

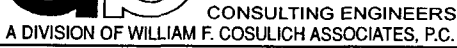
**Notes:** 6" thick concrete at grade



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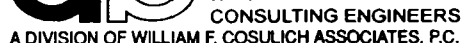




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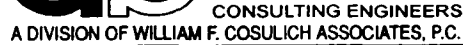
## Phase II Site Assessment

**Boring Diameter:** 2 in.

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> 12" thick concrete at grade
---	---



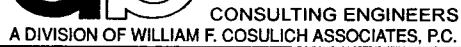
Page 1 of 1



## Phase II Site Assessment

**Boring Diameter:** 2 in.

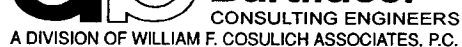
**Notes:** 8" thick concrete at grade with an 8" thick layer of dirt/fill beneath then another 8" thick layer of concrete (i.e., an 8" deep backfilled pit)



Page 1 of 1



Page 1 of 1



**Boring No.: I40B05**

Sheet 1 of 1

**By: MR**

## Phase II Site Assessment

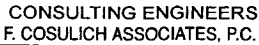
2 in.

[illegible]

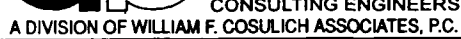
**Notes:**







Page 1 of 1



Page 1 of 1



Page 1 of 1

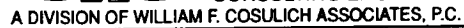


Page 1 of 1



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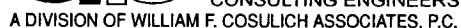
Page 1 of 1



## Phase II Site Assessment

**Boring Diameter:** 2 in.

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> 4" thick concrete beneath wood block floor. Boring advanced manually to target beneath former dry well. Refusal encountered at 10' below grade.
---	---



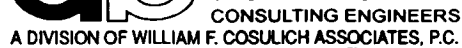
## Phase II Site Assessment

**During Diastole:**  $\rightarrow$  low

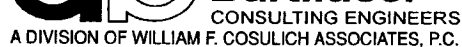
[illegible]

**Notes:** Boring conducted to target a former dry well backfilled to grade.

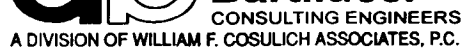




Page 1 of 1



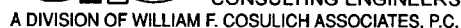
<b>Geologist:</b> Mark Rauber	<b>Boring Completion Depth:</b>	15 ft.
<b>Drilling Method:</b> Geoprobe	<b>Ground Surface Elevation:</b>	— ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	2 in.
<b>Date Completed:</b> October 20, 2000		



## Phase II Site Assessment

**Boring Diameter:** 2 in.

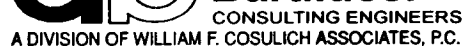
<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> Boring conducted to target a former dry well backfilled to grade. Refer to soil boring I43B02 for shallow samples (11'-13' and 13'-15') collected at this location.
---	---



## Phase II Site Assessment

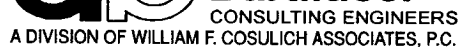
**Boring Diameter:** 2 in.

**Notes:**



<b>Geologist:</b> Mark Rauber	<b>Boring Completion Depth:</b>	8 ft.
<b>Drilling Method:</b> Geoprobe	<b>Ground Surface Elevation:</b>	— ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	2 in.
<b>Date Completed:</b> October 20, 2000		

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> Boring advanced through the bottom of a 2'-3" deep backfilled concrete pit with a 9" thick concrete bottom and a 5" thick concrete floor slab at grade
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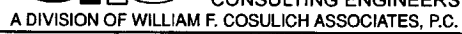
Page 1 of 1



## Phase II Site Assessment

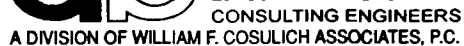
**Boring Diameter:** 2 in.

**Notes:** 5" thick concrete at grade



Page 1 of 1





**Boring No.:** I47B02  
**Sheet** 1 **of** 1  
**By:** MR

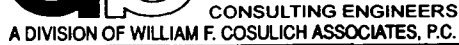
**Geologist:** Mark Rauber  
**Drilling Method:** Geoprobe  
**Drive Hammer Weight:** N/A  
**Date Completed:** October 16, 2000

**Boring Completion Depth:** 4 ft.  
**Ground Surface Elevation:** -- ft.  
**Boring Diameter:** 2 in.

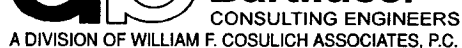
[illegible]

**Notes:** 6" thick concrete at grade





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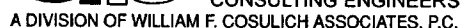
Project No.: 1852 Boring No.: E01B04  
Project Location: Bethpage, NY Sheet 1 of 1  
Project Name: Plant 1 - By: MR  
Phase II Site Assessment

Drilling Contractor: Emington  
Driller: W. Rowland  
Drill Rig: Earthprobe  
Date Started: October 9, 2000

Geologist: Ken Wenz Boring Completion Depth: 22 ft.  
Drilling Method: Geoprobe Ground Surface Elevation: - ft.  
Drive Hammer Weight: N/A Boring Diameter: 2 in.  
Date Completed: October 9, 2000

Depth (ft.)	Soil Sample			Blows (Per 6")	Rec. (inches)	PID (ppm)	Lithology Description
	Sample						
	No.	Type					
12-16	1	GP	—	48	0.2	0-9": Orange-brown SILT and fine to medium SAND, dry, no odor	
						9"-15": Black SILT and CLAY, trace fine to medium SAND, dry, no odor	
						15"-48": Brown, fine to coarse SAND, trace SILT,	
						trace to little fine to coarse GRAVEL, dry, no odor	
16-20	2	GP	—	34	0.0	0-34": Brown, fine to coarse SAND, trace SILT,	
						trace to little fine to coarse GRAVEL, dry, no odor	
20-22	3	GP	—	21	0.0	0-21": Brown, fine to coarse SAND, trace SILT, trace to little	
						fine to coarse GRAVEL, moist to very moist, no odor	

<b>Sample Type:</b> SS = Split Spoon HA = Hand Auger GP = Geoprobe CC = Concrete Core HP = Hydropunch	<b>Notes:</b> Boring conducted within backfilled former leaching pool which was "open" to 4' below grade
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## Phase II Site Assessment

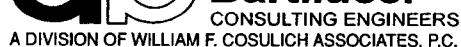
2 in

[illegible]

**Notes:** Boring conducted within backfilled former leaching pool which was "open" to 3' below grade



Page 1 of 1



## Phase II Site Assessment

**Date Completed:** October 11, 2000

**Boring Diameter:** 8 in.

**Notes:** Boring conducted within backfilled former settling tank.





<b>Geologist:</b> Keith Robins	<b>Boring Completion Depth:</b>	26 ft.
<b>Drilling Method:</b> Hollow Stem Auger	<b>Ground Surface Elevation:</b>	— ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	8 in.
<b>Date Completed:</b> October 10, 2000		

**Drilling Contractor:** Emington  
**Driller:** W. Rowland  
**Drill Rig:** CME-55  
**Date Started:** October 10, 2000

[illegible]

**Notes:** Boring conducted within backfilled former settling tank.



Page 1 of 1



<b>Geologist:</b> Ken Wenz	<b>Boring Completion Depth:</b>	22 ft.
<b>Drilling Method:</b> Geoprobe	<b>Ground Surface Elevation:</b>	— ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	2 in.
<b>Date Completed:</b> October 10, 2000		

[illegible]

0-11": Orange-brown, fine-medium SAND, little SILT, dry 0-6", wet 6"-9", no odor
11"-19": Gray-brown SILT and fine to medium SAND, trace fine GRAVEL, dry to moist, no odor
19"-43": Tan, fine to coarse SAND, trace SILT, little fine to medium GRAVEL, dry, no odor
0-40": Tan, fine to coarse SAND, trace SILT, little fine to medium GRAVEL, moist, no odor
0-6": Tan, fine to coarse SAND, trace SILT, little fine to medium GRAVEL, wet, no odor
6"-20": Orange-brown, fine to medium SAND and SILT, moist, no odor

**Notes:** Boring conducted within backfilled former leaching pool which was "open" to 3' below grade



## Phase II Site Assessment

8 in.

[illegible]

**Notes:** Boring conducted within former leaching pool which is "open" to 12' below grade.



**Boring No.:** E01B13  
**Sheet** 1 **of** 1  
**By:** MR

**Boring Completion Depth:** 22 ft.  
**Ground Surface Elevation:** - ft.  
**Boring Diameter:** 8 in.

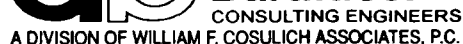
**Notes:** Boring conducted within backfilled former leaching pool.



## Phase II Site Assessment

**Boring Diameter:** 2 in.

**Notes:** Boring conducted within backfilled former leaching pool which was "open" to 2' below grade

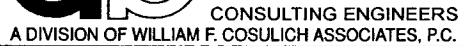


**Boring No.: E02B01**  
**Sheet 1 of 1**  
**By: MR**

**Geologist:** Keith Robins  
**Drilling Method:** Hollow Stem Augers  
**Drive Hammer Weight:** N/A  
**Date Completed:** September 29, 2000

**Boring Completion Depth:** 22 ft.  
**Ground Surface Elevation:** - ft.  
**Boring Diameter:** 8 in.

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> 9" thick asphalt at grade. Boring conducted within backfilled leaching pool.
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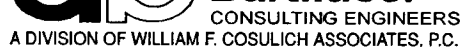


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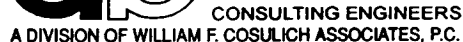




Page 1 of 1



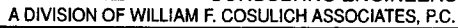
Page 1 of 1



## Phase II Site Assessment

**Boring Diameter:** 2 in.

**Notes:**

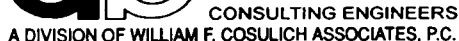


## Phase II Site Assessment

1. *Journal of the American Medical Association*, 1997; 277: 1033-1036.

[illegible]

**Notes:** Former backfilled leaching pool cover located approx. 8" below grade.

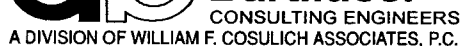


## Phase II Site Assessment

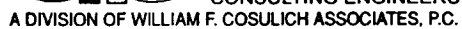
**Boring Diameter:** 2 in.

[illegible]

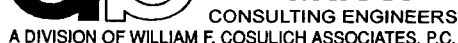
**Notes:**



Page 1 of 1



Page 1 of 1



<b>Geologist:</b> Keith Robins	<b>Boring Completion Depth:</b>	22 ft.
<b>Drilling Method:</b> Hollow Stem Augers	<b>Ground Surface Elevation:</b>	— ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	8 in.
<b>Date Completed:</b> October 2, 2000		

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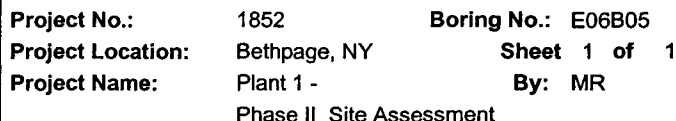


## Phase II Site Assessment

8 in.

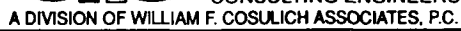
[illegible]

**Boring conducted to target backfilled leaching pool.**



<b>Geologist:</b> Keith Robins	<b>Boring Completion Depth:</b>	16 ft.
<b>Drilling Method:</b> Hollow Stem Augers	<b>Ground Surface Elevation:</b>	— ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	8 in.
<b>Date Completed:</b> October 5, 2000		

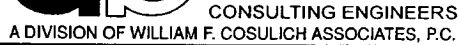
<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> Boring conducted adjacent to existing distribution chamber to target backfilled leaching pool.
---	---



## Phase II Site Assessment

**Boring Completion Depth:** 18 ft.  
**Ground Surface Elevation:** — ft.  
**Boring Diameter:** 2 in.

**Notes:** Pool determined to have solid bottom. Boring conducted adjacent to leaching pool which is "open" to 6.5' below grade with approx. 5" water at bottom of pool.

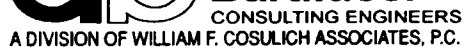


## Phase II Site Assessment

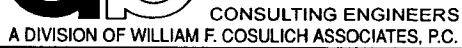
**Date Completed:** October 4, 2000

[illegible]

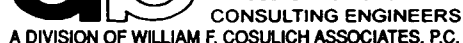
CC = Concrete Core    HP = Hydropunch



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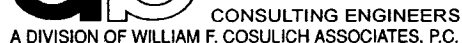
Page 1 of 1



**Drilling Contractor:** Emington  
**Driller:** W. Rowland  
**Drill Rig:** CME-55  
**Date Started:** September 21, 2000

<b>Geologist:</b> Keith Robins	<b>Boring Completion Depth:</b>	21 ft.
<b>Drilling Method:</b> Hollow Stem Augers	<b>Ground Surface Elevation:</b>	— ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	8 in.
<b>Date Completed:</b> September 21, 2000		

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> 5" thick asphalt and 4'-8" sand fill at grade. Boring conducted within backfilled leaching pool.
---	---



## Phase II Site Assessment

### Lithology Description

[illegible]

Boring conducted within backfilled leaching pool which is "open" to 12" below grade.



[illegible]

**Drilling Contractor:** Emington  
**Driller:** W. Rowland  
**Drill Rig:** CME-55  
**Date Started:** September 21, 2000

<b>Geologist:</b> Keith Robins	<b>Boring Completion Depth:</b>	21 ft.
<b>Drilling Method:</b> Hollow Stem Augers	<b>Ground Surface Elevation:</b>	— ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	8 in.
<b>Date Completed:</b> September 21, 2000		

[illegible]

**Sample Type:**  
 SS = Split Spoon   HA = Hand Auger   GP = Geoprobe  
 CC = Concrete Core   HP = Hydropunch

**Notes:** 5" thick asphalt at grade.  
Boring conducted within backfilled leaching pool which is "open" to 2' below grade.



**Dvirka  
and  
Bartilucci**  
CONSULTING ENGINEERS  
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

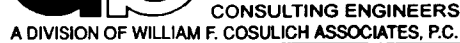
**Project No.:** 1852      **Boring No.:** E07B06  
**Project Location:** Bethpage, NY      **Sheet 1 of 1**  
**Project Name:** Plant 1 -      **By:** MR  
Phase II Site Assessment

**Drilling Contractor:** Emington  
**Driller:** W. Rowland  
**Drill Rig:** CME-55  
**Date Started:** September 22, 2000

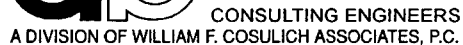
**Geologist:** Keith Robins      **Boring Completion Depth:** 21 ft.  
**Drilling Method:** Hollow Stem Augers      **Ground Surface Elevation:** -- ft.  
**Drive Hammer Weight:** N/A      **Boring Diameter:** 8 in.  
**Date Completed:** September 22, 2000

Depth (ft.)	Soil Sample				PID (ppm)	Lithology Description
	Sample		Blows (Per 6")	Rec. (inches)		
	No.	Type				
11-13	1	SS	--	20	0.0	0-10": Brown-light orange coarse to medium SAND, some subrounded GRAVEL, moist  10"-20": Tan-gray coarse SAND and subrounded GRAVEL with dark brown moist SAND/SILT
13-15	2	SS	--	12	0.0	0-12": Brown-dark brown moist-wet coarse to medium SAND, fine to coarse GRAVEL, trace SILT
15-17	3	SS	--	18	0.0	0-12": Tan coarse SAND and fine to medium subrounded GRAVEL 12"-18": Tan fine to medium SAND, moist, well sorted
17-19	4	SS	--	15	0.0	0-15": Tan coarse to medium SAND and fine to coarse subrounded GRAVEL, poorly sorted, moist
19-21	5	SS	--	15	0.0	0-15": Light tan-light brown fine to medium SAND, trace fine GRAVEL, damp

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> 4" thick asphalt at grade. Boring conducted within backfilled leaching pool which is "open" to 20" below grade.
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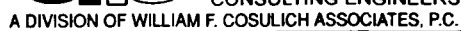


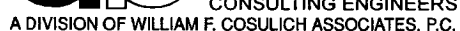
## Phase II Site Assessment

**Boring Diameter:** 8 in.

[illegible]

Boring conducted within backfilled leaching pool which is "open" to 5' below grade.





## Phase II Site Assessment

**Boring Diameter:** 8 in.

[illegible]

Boring conducted within backfilled leaching pool.  
5'-7' fill sample collected for waste characterization.



<b>Geologist:</b> Keith Robins	<b>Boring Completion Depth:</b>	21 ft.
<b>Drilling Method:</b> Hollow Stem Augers	<b>Ground Surface Elevation:</b>	-- ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	8 in.
<b>Date Completed:</b> September 25, 2000		

**Notes:** 4" thick asphalt at grade.  
Boring conducted within backfilled leaching pool which is "open" to 42" below grade.

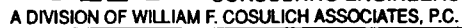




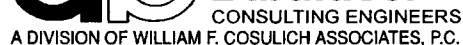


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Page 1 of 1



**Boring No.:** E08B03

Sheet 1 of 1

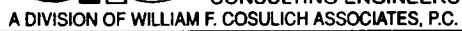
**By: MR**

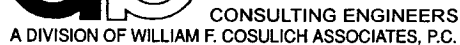
## Phase II Site Assessment

**Date Completed:** October 3, 2000

[illegible]

**Boring conducted to target backfilled leaching pool.**





**Boring No.:** E08B05  
**Sheet** 1 **of** 1  
**By:** MR

**Boring Completion Depth:** 24 ft.  
**Ground Surface Elevation:** -- ft.  
**Boring Diameter:** 8 in.

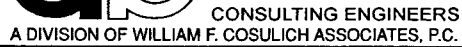
<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> Boring conducted to target backfilled leaching pool.
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<b>Geologist:</b> Keith Robins	<b>Boring Completion Depth:</b>	16 ft.
<b>Drilling Method:</b> Hollow Stem Augers	<b>Ground Surface Elevation:</b>	— ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	8 in.
<b>Date Completed:</b> October 4, 2000		

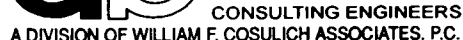
[illegible]

**Notes:**  
Boring conducted to target backfilled leaching pool.



Page 1 of 1



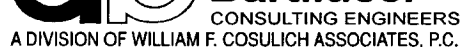


## Phase II Site Assessment

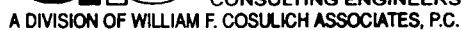
**Boring Diameter:** 2 in.

[illegible]

**Notes:** Boring conducted to target former leaching pool



Page 1 of 1



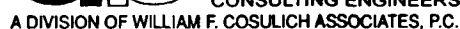
**Project No.:** 1852 **Boring No.:** E08B11  
**Project Location:** Bethpage, NY **Sheet 1 of 1**  
**Project Name:** Plant 1 - **By:** MR  
Phase II Site Assessment

**Drilling Contractor:** Emington  
**Driller:** W. Rowland  
**Drill Rig:** Earthprobe  
**Date Started:** October 5, 2000

**Geologist:** Ken Wenz **Boring Completion Depth:** 16 ft.  
**Drilling Method:** Geoprobe **Ground Surface Elevation:** -- ft.  
**Drive Hammer Weight:** N/A **Boring Diameter:** 2 in.  
**Date Completed:** October 5, 2000

Depth (ft.)	Soil Sample				PID (ppm)	Lithology Description
	Sample		Blows (Per 6")	Rec. (inches)		
	No.	Type				
6-10	1	GP	--	43	0.0	0-8": Brown, fine to medium SAND, some SILT, trace fine to coarse GRAVEL, dry, no odor 8"-13": Dark brown SILT, trace fine to medium SAND, dry, no odor 13"-18": Brown, fine to medium SAND, some SILT, trace fine to coarse GRAVEL, dry, no odor 18"-24": Gray-brown, fine SAND and SILT, dry, no odor 24"-43": Orange-brown, fine to coarse SAND, trace SILT, little fine to coarse GRAVEL, dry, no odor
10-12	2	GP	--	24	0.0	0-24": Orange-brown, fine to coarse SAND, trace SILT, little fine to coarse GRAVEL, dry, no odor
12-14	3	GP	--	22	0.0	0-22": Tan to orange-brown, fine to coarse SAND, trace SILT, little fine to coarse GRAVEL, dry, no odor
14-16	4	GP	--	24	0.0	0-24": Tan to orange-brown, fine to coarse SAND, trace SILT, little fine to coarse GRAVEL, dry, no odor

<b>Sample Type:</b> SS = Split Spoon HA = Hand Auger GP = Geoprobe CC = Concrete Core HP = Hydropunch	<b>Notes:</b> Boring conducted to target former leaching pool
---	---



**Boring No.:** E08B12  
**Sheet** 1 **of** 1  
**By:** MR

**Boring Completion Depth:** 20 ft.  
**Ground Surface Elevation:** - ft.  
**Boring Diameter:** 2 in.

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> Boring conducted to target former leaching pool
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Project No.: 1852 Boring No.: E08B14  
Project Location: Bethpage, NY Sheet 1 of 1  
Project Name: Plant 1 - By: MR  
Phase II Site Assessment

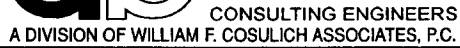
Drilling Contractor: Emington  
Driller: W. Rowland  
Drill Rig: Earthprobe  
Date Started: October 11, 2000

Geologist: Ken Wenz Boring Completion Depth: 18 ft.  
Drilling Method: Geoprobe Ground Surface Elevation: — ft.  
Drive Hammer Weight: N/A Boring Diameter: 2 in.  
Date Completed: October 11, 2000

Depth (ft.)	Soil Sample		Blows (Per 6")	Rec. (inches)	PID (ppm)	Lithology Description
	Sample No.	Type				
6-10	1	GP	--	47	0.1	0-16": Orange-brown, fine to coarse SAND, trace SILT, little fine to coarse GRAVEL, dry, no odor 16"-39": Gray to brown, SILT, some CLAY, trace fine to medum GRAVEL, dry, no odor 39"-47": Orange-brown, fine to coarse SAND, trace SILT, some fine to coarse GRAVEL, dry, no odor
10-14	2	GP	--	48	0.0	0-48": Tan to orange-brown, fine to coarse SAND, trace SILT, some fine to coarse GRAVEL, dry, no odor
14-16	3	GP	--	27	0.0	0-27": Tan to orange-brown, fine to coarse SAND, trace SILT, some fine to coarse GRAVEL, dry, no odor
16-18	3	GP	--	24	0.0	0-24": Tan to orange-brown, fine to coarse SAND, trace SILT, some fine to coarse GRAVEL, dry, no odor

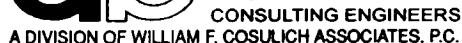
<b>Sample Type:</b> SS = Split Spoon HA = Hand Auger GP = Geoprobe CC = Concrete Core HP = Hydropunch	<b>Notes:</b> Boring targeted backfilled former leaching pool
---	---





Page 1 of 1





## Phase II Site Assessment

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**Notes:** Boring conducted to target backfilled former leaching pool.



## Phase II Site Assessment

**Boring Diameter:** 2 in.

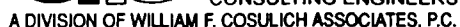
<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> Void from 8'-12' below grade Boring conducted to target backfilled former leaching pool.
---	--



Page 1 of 1



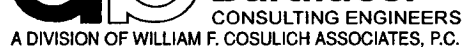
Page 1 of 1



## Phase II Site Assessment

**Boring Diameter:** 2 in.

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> Boring conducted to target backfilled former leaching pool. No cover found.
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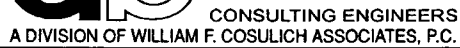


**Boring Completion Depth:** 16 ft.  
**Ground Surface Elevation:** — ft.  
**Boring Diameter:** 2 in.

**Notes:** approx. 2" thick concrete encountered at 3' below grade. Boring conducted to target backfilled former leaching pool.



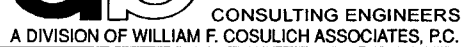
Page 1 of 1



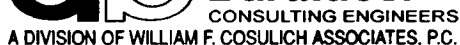
Page 1 of 1







Page 1 of 1



**Boring No.: E13B02E12**

Sheet 1 of 1

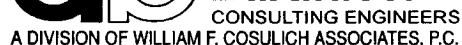
**By: MR**

## Phase II Site Assessment

2 in.

[illegible]

**Notes:** 2" thick concrete at grade



Page 1 of 1



## Phase II Site Assessment

**Boring Diameter:** 2 in.

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> 5" thick concrete at grade
---	--



## Phase II Site Assessment

**Boring Diameter:** 2 in.

**Notes:** 2" thick concrete at grade





**Boring No.: E13B02W12**  
**Sheet 1 of 1**  
**By: MR**

**Boring Completion Depth:** 4 ft.  
**Ground Surface Elevation:** — ft.  
**Boring Diameter:** 2 in.

**Notes:**





## Phase II Site Assessment

**Boring Diameter:** 2 in.

[illegible]

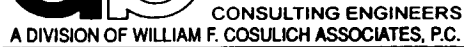
**Notes:** 3" thick concrete at grade



## Phase II Site Assessment

**Boring Diameter:** 2 in.

Notes:



E18B02

Sheet 1 of 1

**By: MR**

## Phase II Site Assessment

**Date Completed:** October 5,

4 ft.

- ft.

**2 in.**

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

[illegible]

CC = Concrete Core    HP = Hydropunch

**Notes:**



Project No.: 1852 Boring No.: E19B01  
 Project Location: Bethpage, NY Sheet 1 of 1  
 Project Name: Plant 1 - By: MR  
 Phase II Site Assessment

Drilling Contractor: Emington  
 Driller: W. Rowland  
 Drill Rig: Earthprobe  
 Date Started: October 9, 2000

Geologist: Ken Wenz Boring Completion Depth: 22 ft.  
 Drilling Method: Geoprobe Ground Surface Elevation: - ft.  
 Drive Hammer Weight: N/A Boring Diameter: 2 in.  
 Date Completed: October 9, 2000

Depth (ft.)	Soil Sample				PID (ppm)	Lithology Description
	Sample		Blows (Per 6")	Rec. (inches)		
	No.	Type				
8-12	1	GP	--	41	0.0	0-35": Brown SILT, little fine to medium SAND, trace fine to coarse GRAVEL, occasional concrete pieces, dry, no odor  35"-41": Tan-brown, fine to coarse SAND, trace SILT, little fine to coarse GRAVEL, dry, no odor
12-16	2	GP	--	38	0.0	0-38": Tan-brown, fine to coarse SAND, trace SILT, little fine to coarse GRAVEL, dry, no odor
16-20	3	GP	--	46	0.0	0-46": Tan-brown, fine to coarse SAND, trace SILT, little fine to coarse GRAVEL, dry, no odor
20-22	4	GP	--	24	0.0	0-24": Tan-brown, fine to coarse SAND, trace SILT, little fine to coarse GRAVEL, dry, no odor

<b>Sample Type:</b> SS = Split Spoon HA = Hand Auger GP = Geoprobe CC = Concrete Core HP = Hydropunch	<b>Notes:</b>
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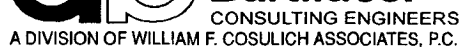


## Phase II Site Assessment

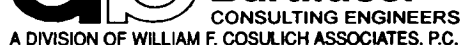
2 in.

[illegible]

**Notes:** Boring conducted through 9"-10" deep pit with a 6" thick concrete bottom



Page 1 of 1



**Boring No.: E21B02**

Sheet 1 of 1

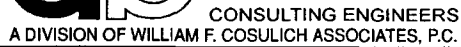
**By: MR**

## Phase II Site Assessment

2 in.

Lithology Description	
0-35":	Brown SILT and fine to medium SAND, trace fine to coarse GRAVEL, dry, no odor
35"-40":	Orange-brown, fine to coarse SAND, trace SILT, little fine to medium GRAVEL, dry, no odor

**Notes:**

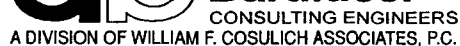




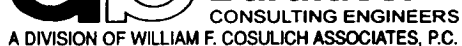


<b>Geologist:</b> Ken Wenz	<b>Boring Completion Depth:</b>	4 ft.
<b>Drilling Method:</b> Geoprobe	<b>Ground Surface Elevation:</b>	– ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	2 in.
<b>Date Completed:</b> September 29, 2000		

**Notes:**



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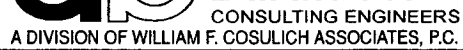


## Phase II Site Assessment

**2 in**

Lithology Description	
0-28":	Brown SILT, little fine to medium SAND, occasional fine GRAVEL, dry, no odors
28"-36":	Orange-brown, fine to medium SAND, trace SILT, dry, no odors

**Notes:** 2" thick broken concrete at grade



Page 1 of 1





Page 1 of 1

<b>Project No.:</b>	1852	<b>Boring No.:</b>	E25B01
<b>Project Location:</b>	Bethpage, NY	<b>Sheet</b>	1 of 1
<b>Project Name:</b>	Plant 1 - Phase II Site Assessment	<b>By:</b>	MR

**Drilling Contractor:** Emington  
**Driller:** W. Rowland  
**Drill Rig:** Earthprobe  
**Date Started:** October 4, 2000

<b>Geologist:</b> Ken Wenz	<b>Boring Completion Depth:</b>	9 ft.
<b>Drilling Method:</b> Geoprobe	<b>Ground Surface Elevation:</b>	— ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	2 in.
<b>Date Completed:</b> October 4, 2000		

[illegible]

**Sample Type:**  
SS = Split Spoon   HA = Hand Auger   GP = Geoprobe  
CC = Concrete Core   HP = Hydropunch

**Notes:** 6" thick concrete at grade



Project No.: 1852 Boring No.: E27B01  
Project Location: Bethpage, NY Sheet 1 of 1  
Project Name: Plant 1 - By: MR  
Phase II Site Assessment

Drilling Contractor: Emington  
Driller: W. Rowland  
Drill Rig: Earthprobe  
Date Started: September 28, 2000

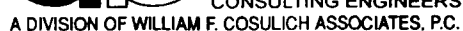
Geologist: Ken Wenz Boring Completion Depth: 5 ft.  
Drilling Method: Geoprobe Ground Surface Elevation: -- ft.  
Drive Hammer Weight: N/A Boring Diameter: 2 in.  
Date Completed: September 28, 2000

Depth (ft.)	Soil Sample				PID (ppm)	Lithology Description
	Sample		Blows (Per 6")	Rec. (inches)		
	No.	Type				
1-3	1	GP	--	20	0.0	0-19": Brown SILT, little to some fine to medium SAND, trace fine GRAVEL, dry, no odor 19"-20": Brown, fine to coarse SAND, trace SILT, some fine to medium GRAVEL, dry, no odor
3-5	2	GP	--	20	0.0	0-20": Brown, fine to coarse SAND, trace SILT, some fine to medium GRAVEL, dry, no odor

Sample Type: SS = Split Spoon HA = Hand Auger GP = Geoprobe  
CC = Concrete Core HP = Hydropunch

Notes: 6" thick concrete at grade

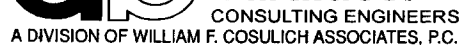




## Phase II Site Assessment

**Boring Diameter:** 2 in.

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> Boring conducted to target beneath sump of former Pump Station "A".
---	--



**Boring No.:** E32B01  
**Sheet** 1 **of** 1  
**By:** MR

**Geologist:** Keith Robins  
**Drilling Method:** Geoprobe  
**Drive Hammer Weight:** N/A  
**Date Completed:** October 16, 2000

**Boring Completion Depth:** 10 ft.  
**Ground Surface Elevation:** - ft.  
**Boring Diameter:** 2 in.

**Sample Type:**  
 SS = Split Spoon   HA = Hand Auger   GP = Geoprobe  
 CC = Concrete Core   HP = Hydropunch

**Notes:** Boring conducted adjacent to catch basin.  
Bottom of catch basin at 6' below grade.

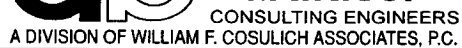


## Phase II Site Assessment

**Boring Diameter:** 2 in.

[illegible]

**Notes:** Boring conducted adjacent to catch basin.  
Bottom of catch basin at 4'-6" below grade.



**Boring No.:** E33B01  
**Sheet** 1 **of** 1  
**By:** MR

**Geologist:** Ken Wenz  
**Drilling Method:** Geoprobe  
**Drive Hammer Weight:** N/A  
**Date Completed:** September 28, 2000

**Boring Completion Depth:** 5 ft.  
**Ground Surface Elevation:** — ft.  
**Boring Diameter:** 2 in.

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> 6" thick concrete at grade
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Page 1 of 1



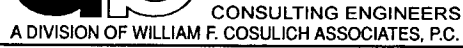
Page 1 of 1



## Phase II Site Assessment

**Date Completed:** September 25, 2000

<b>Sample Type:</b> SS = Split Spoon   HA = Hand Auger   GP = Geoprobe CC = Concrete Core   HP = Hydropunch	<b>Notes:</b> No concrete at grade, only 2" thick asphalt
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Page 1 of 1

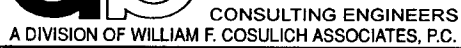




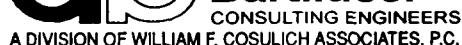


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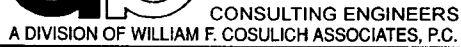


Page 1 of 1



<b>Geologist:</b> Ken Wenz	<b>Boring Completion Depth:</b>	4 ft.
<b>Drilling Method:</b> Geoprobe	<b>Ground Surface Elevation:</b>	-- ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	2 in.
<b>Date Completed:</b> September 29, 2000		

**Notes:** 2" thick asphalt at grade



## Phase II Site Assessment

2 in.

**Notes:** 2" thick asphalt at grade

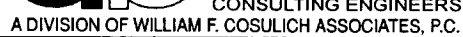
[illegible]

**Drilling Contractor:** Emington  
**Driller:** W. Rowland  
**Drill Rig:** Earthprobe  
**Date Started:** October 12, 2000

<b>Geologist:</b> Ken Wenz	<b>Boring Completion Depth:</b>	22 ft.
<b>Drilling Method:</b> Geoprobe	<b>Ground Surface Elevation:</b>	– ft.
<b>Drive Hammer Weight:</b> N/A	<b>Boring Diameter:</b>	2 in.
<b>Date Completed:</b> October 12, 2000		

**Sample Type:**  
SS = Split Spoon   HA = Hand Auger   GP = Geoprobe  
CC = Concrete Core   HP = Hydropunch

**Notes:** 5" thick concrete at grade

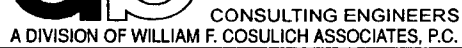


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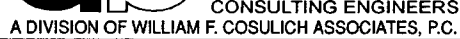


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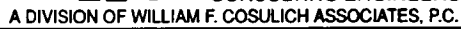


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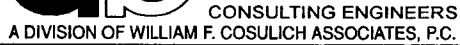




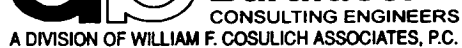
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## Phase II Site Assessment

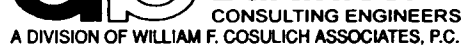
**Boring Diameter:** 2 in.

**Notes:** Boring conducted within vault which is open to 8' below grade. Vault has solid bottom (metal).



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**By: CG**

**Boring Completion Depth:** 21 ft.  
**Ground Surface Elevation:** — ft.  
**Boring Diameter:** 2 in.

### Lithology Description

**Notes:**



### WELL CONSTRUCTION LOG

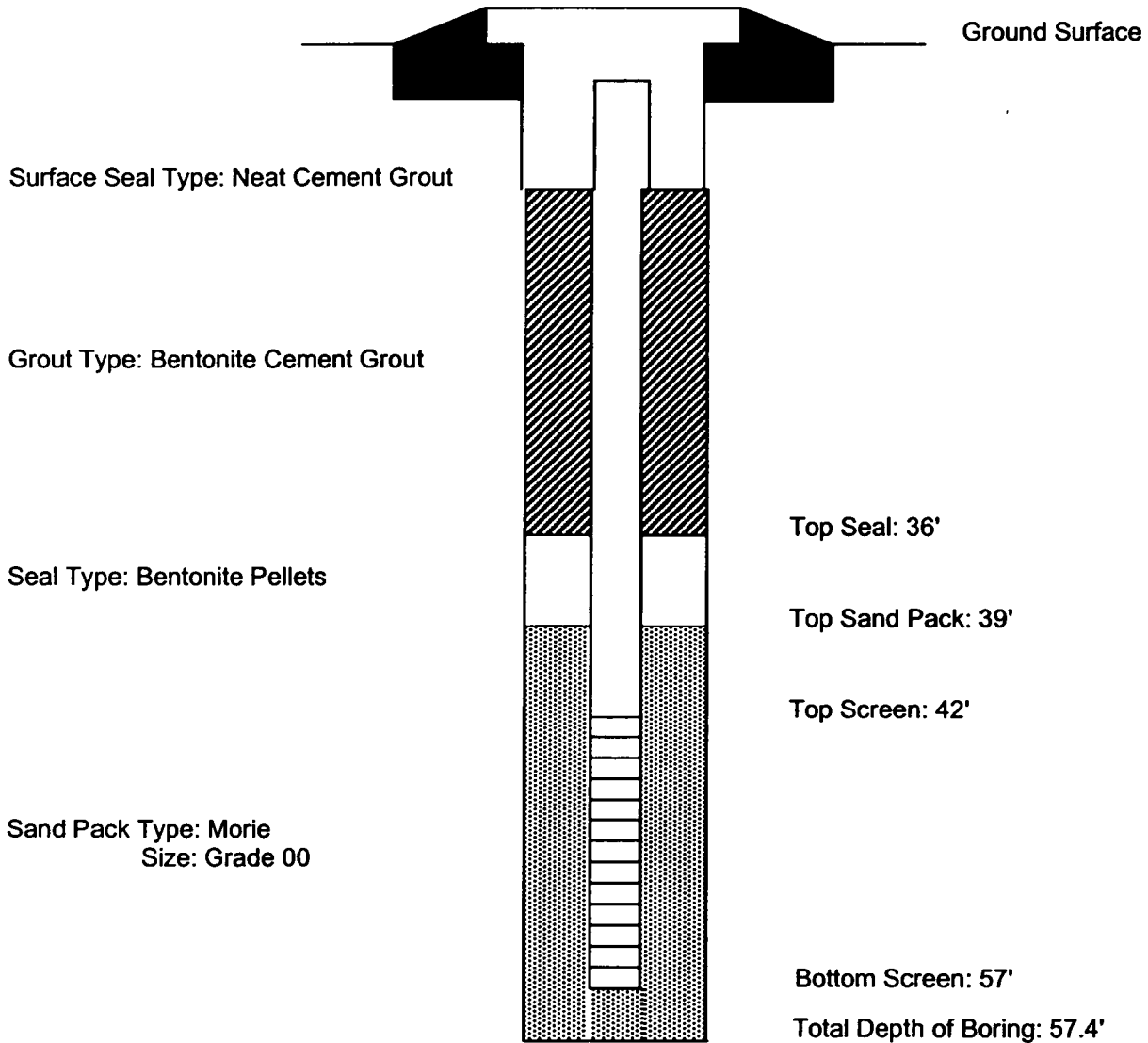
SITE Northrop Grumman Corp. - Plant 1 JOB NO. 1852 WELL NO. MW-1

TOTAL DEPTH 57' SURFACE ELEV. 0 TOP RISER ELEV. —

WATER LEVELS (DEPTH, DATE, TIME) 49.4', 10/9/00 DATE INSTALLED 10/9/00

RISER	DIA	<u>2"</u>	MATERIAL	<u>PVC</u>	LENGTH	<u>41'</u>	
SCREEN	DIA	<u>2"</u>	MATERIAL	<u>PVC</u>	LENGTH	<u>15'</u>	SLOT SIZE <u>.010"</u>
PROT CSG	DIA	<u>—</u>	MATERIAL	<u>—</u>	LENGTH	<u>—</u>	

### SCHEMATIC



### WELL CONSTRUCTION LOG

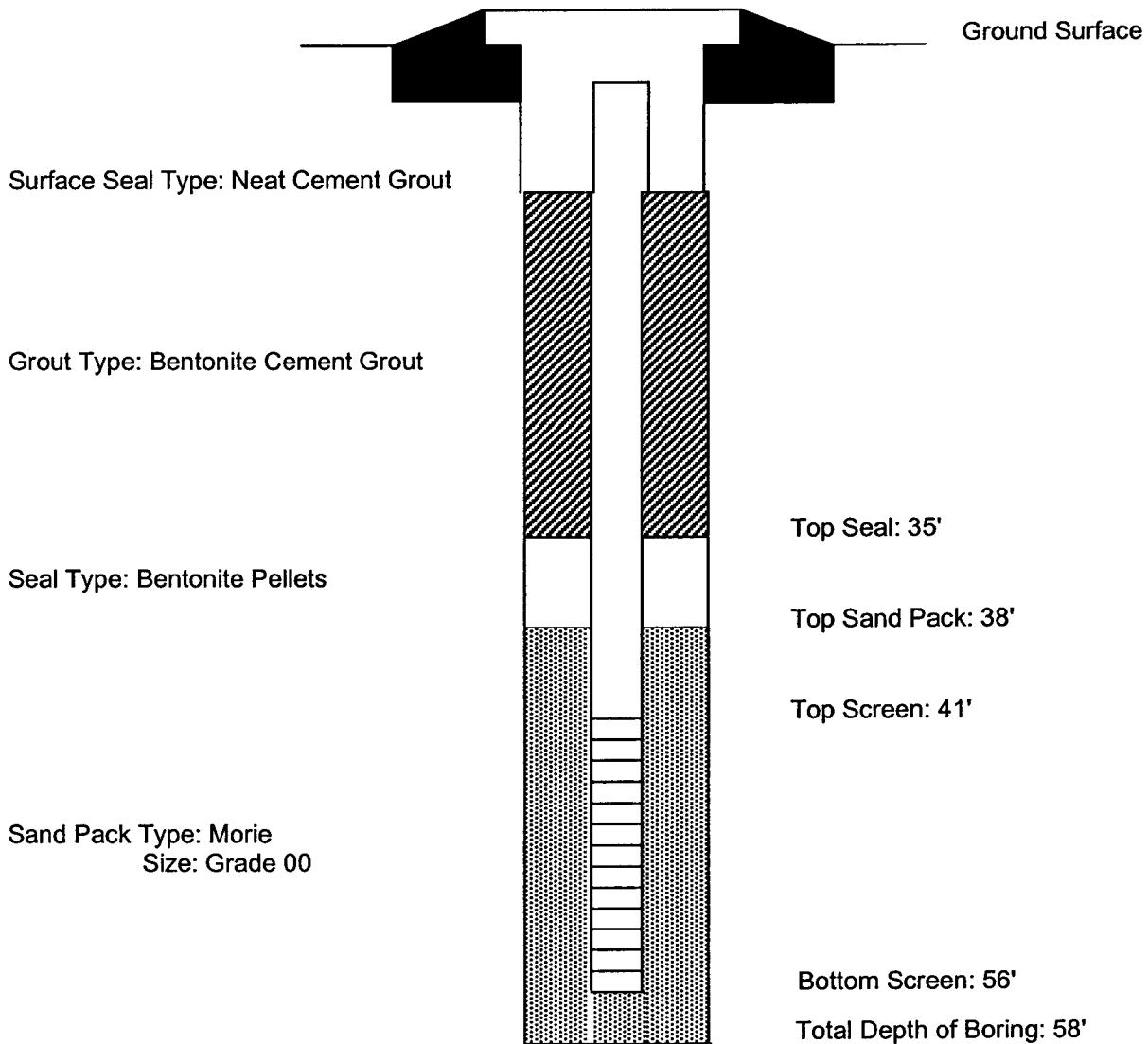
SITE Northrop Grumman Corp. - Plant 1 JOB NO. 1852 WELL NO. MW-2

TOTAL DEPTH 58' SURFACE ELEV. 0 TOP RISER ELEV. —

WATER LEVELS (DEPTH, DATE, TIME) 46', 9/26/00 DATE INSTALLED 9/26/00

RISER	DIA	<u>2"</u>	MATERIAL	<u>PVC</u>	LENGTH	<u>41'</u>	
SCREEN	DIA	<u>2"</u>	MATERIAL	<u>PVC</u>	LENGTH	<u>15'</u>	SLOT SIZE <u>.010"</u>
PROT CSG	DIA	<u>—</u>	MATERIAL	<u>—</u>	LENGTH	<u>—</u>	

### SCHEMATIC



### WELL CONSTRUCTION LOG

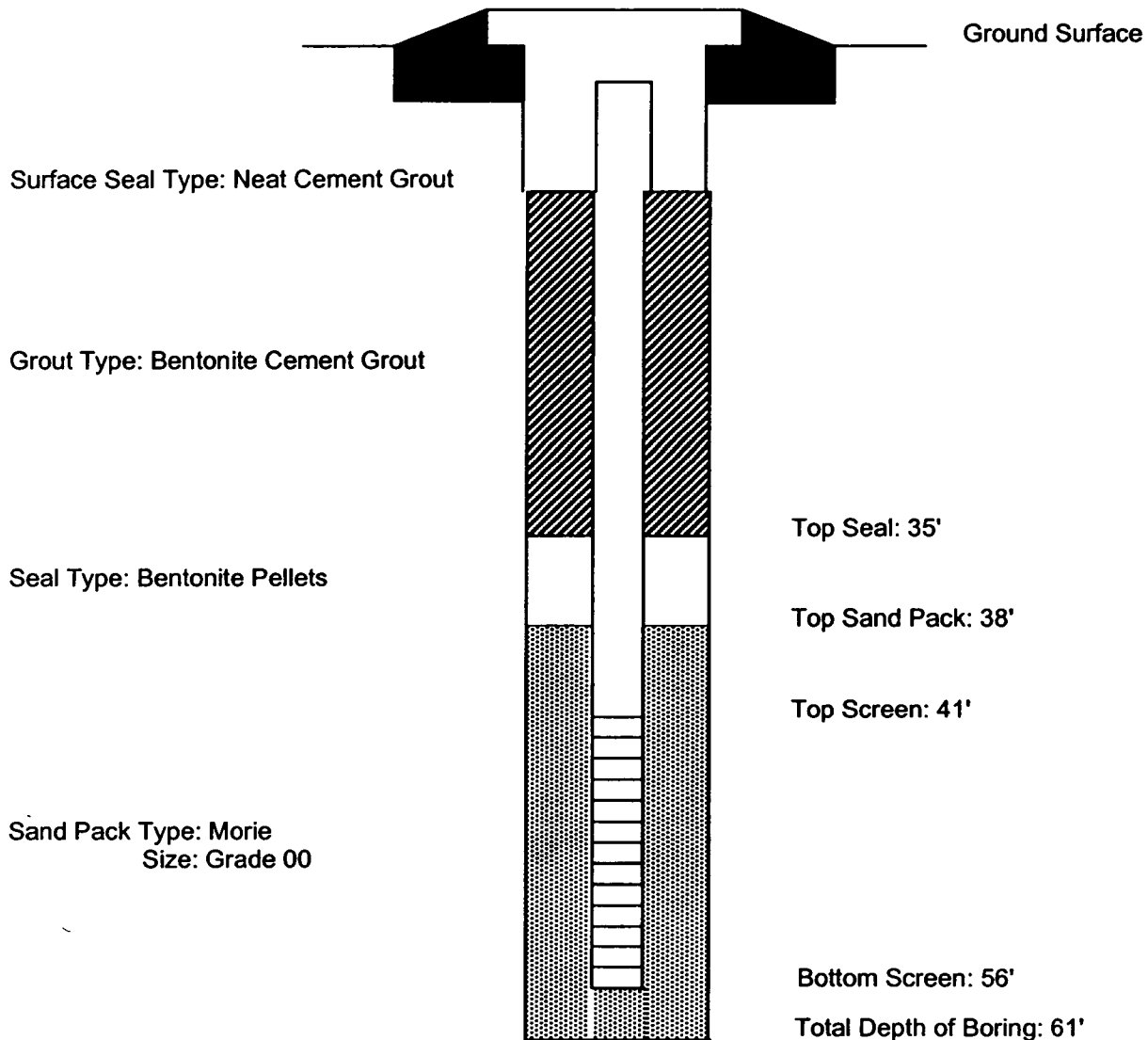
SITE Northrop Grumman Corp. - Plant 1 JOB NO. 1852 WELL NO. MW-3

TOTAL DEPTH 61' SURFACE ELEV. 0 TOP RISER ELEV. —

WATER LEVELS (DEPTH, DATE, TIME) 45', 9/18/00 DATE INSTALLED 9/18/00

RISER	DIA	<u>2"</u>	MATERIAL	<u>PVC</u>	LENGTH	<u>41'</u>		
SCREEN	DIA	<u>2"</u>	MATERIAL	<u>PVC</u>	LENGTH	<u>15'</u>	SLOT SIZE	<u>.010"</u>
PROT CSG	DIA	<u>—</u>	MATERIAL	<u>—</u>	LENGTH	<u>—</u>		

### SCHEMATIC



### WELL CONSTRUCTION LOG

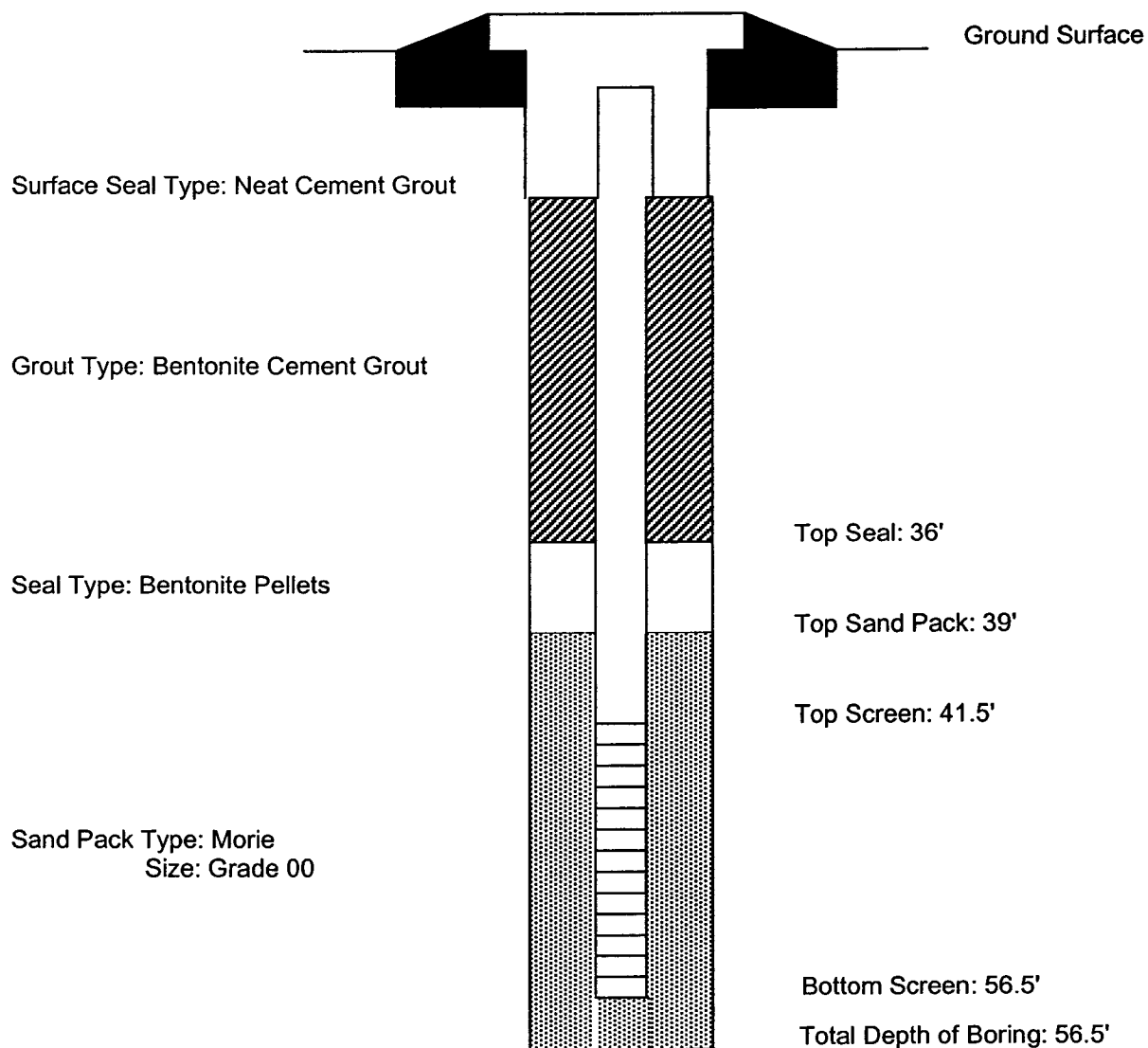
SITE Northrop Grumman Corp. - Plant 1 JOB NO. 1852 WELL NO. MW-4

TOTAL DEPTH 56.5' SURFACE ELEV. 0 TOP RISER ELEV. —

WATER LEVELS (DEPTH, DATE, TIME) 46.4', 9/19/00 DATE INSTALLED 9/19/00

RISER	DIA	<u>2"</u>	MATERIAL	<u>PVC</u>	LENGTH	<u>41.5</u>	
SCREEN	DIA	<u>2"</u>	MATERIAL	<u>PVC</u>	LENGTH	<u>15'</u>	SLOT SIZE <u>.010"</u>
PROT CSG	DIA	<u>—</u>	MATERIAL	<u>—</u>	LENGTH	<u>—</u>	

### SCHEMATIC



# Appendix C



## **APPENDIX C**

### **LABORATORY DATA**



SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- INTERIOR AREAS OF CONCERN  
RCRA METALS

Sample Location	Former Paint Spray Room		Former Paint Storage Room		Former Storage Building Former Dry Wells	Former Dry Well Area			Comparison Value for Areas of Concern
Sample ID	I2 B01 1-3	I2 B01 3-5	I3 B01 1-3	I3 B01 3-5	I04 B01 8-10	I05 B01 8-10	I05 B01 20-22	E43 B02/05 B02 6-8	
Sample Depth (ft)	1-3	3-5	1-3	3-5	8-10	8-10	20-22	6-8	
Sampling Date	09/19/00	09/19/00	09/19/00	09/19/00	10/17/00	10/02/00	10/02/00	10/12/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	1.6	0.66 B	3.7	1.9	0.56 U	4.1	2	7.9	20
Barium	18.4 B	8.8 B	31	4.6 B	4.1 B	19 B	4.5 B	4.9 B	5500
Cadmium	0.04 U	0.04 U	0.05 U	0.04 U	0.2 U	0.05 U	0.04 U	0.23 U	78
Chromium	6.9	2.3	14.2	4.5	2.6	24.6	5.3	5.3	390
Lead	59.4	1	8.5	1.4	2.2	77.9	4.7	5	400
Mercury	0.02 B	0.05	0.04	0.02 B	0.08	0.13	0.02 U	0.05 *	23
Selenium	0.24 U	0.24 U	0.25 U	0.23 U	0.39 U	0.91	0.24 U	0.47 U	390
Silver	0.07 U	0.07 U	0.07 U	0.06 U	0.16 U	0.35 BN	0.15 BN	0.19 U	390

Sample Location	Former Dry Well Area	Former Paint Shop				Former Paint Tunnel			Comparison Value for Areas of Concern
Sample ID	E43 B02/05 B02 14-16	I06 B01 1-3'	I06 B01 3-5'	I06 B02 1-3'	I06 B02 3-5'	I07 B01 3-5	I07 B01 5-7	I07B01N8 3-5	
Sample Depth (ft)	14-16	1-3	3-5	1-3	3-5	3-5	5-7	3-5	
Sampling Date	10/12/00	09/21/00	09/21/00	09/21/00	09/21/00	09/29/00	09/29/00	01/02/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.8 B	1.4	2.5	5	3	1.2	0.69 B	1.8	20
Barium	5.1 B	9.7 B	4.7 B	27	22.1 B	54.9	3.4 B	18.2 B	5500
Cadmium	0.23 U	0.08 U	0.26 B	7.1	0.68	76	0.09 B	0.04 U	78
Chromium	14.6	4.5	4.9	22.3	8	2370	15.9	16.2	390
Lead	3.6	2.1	0.25 U	54.8	19.8	613	2.6	3.8	400
Mercury	0.04 U	0.03 B	0.02 B	0.19	0.05	0.16	0.02 U	0.03 U	23
Selenium	0.46 U	0.63	0.62	1.9	1.3	9.3	0.25 U	0.45 B	390
Silver	0.18 U	0.39 B	0.33 B	0.74 B	0.16 U	1.1 B	0.28 B	0.99 B	390

Sample Location	Former Paint Tunnel								Comparison Value for Areas of Concern
Sample ID	I07B01N6 5-7	I07B01S6 3-5	I07B01S8 5-7	I07B01W5 3-5	I07B01W5 5-7	I07B01E8 5-7	I07 B02 1-3'	I07 B02 3-5'	
Sample Depth (ft)	5-7	3-5	5-7	3-5	5-7	5-7	1-3	3-5	
Sampling Date	01/02/01	01/05/01	01/03/01	01/02/01	01/02/01	01/03/01	09/21/00	09/21/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	1.4	0.61 U	0.96 B	2.4	2.6 B	1.7	2	2.1	20
Barium	7.1 B	7.4 B	6.3 B	21.8	9.5 B	10.3 B	22.7	8.6 B	5500
Cadmium	0.04 U	0.22 U	0.04 U	0.04 U	0.04 U	0.04 U	0.38 B	0.17 B	78
Chromium	4.9	8.0	3.6	7.9	6.7	194	16.6	10.2	390
Lead	2.0	20.5	1.7	3.15	3.03 U	3.7	10.2	139	400
Mercury	0.04 U	0.04 U	0.03 U	NA	NA U	0.04 U	0.02 B	0.06	23
Selenium	0.40 U	0.84	0.4 U	0.53 B	0.4 U	0.42 U	0.32 B	0.57	390
Silver	0.06 U	0.24 B	0.06 U	0.16 B	0.06 U	0.07 U	0.47 B	0.41 B	390

**Qualifiers**

U: Constituent was not detected at the indicated concentration  
 B: Constituent detected below the Contract Required Detection Limit but greater than or equal to the Instrument Detection Limit  
 E: Reported value is estimated due to interference  
 N: Spiked sample recovery not within control limits

**Notes:**

☐ Result exceeds Comparison Value for Areas of Concern

Table C-1  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- INTERIOR AREAS OF CONCERN  
RCRA METALS

Sample Location	Former Paint Tunnel		Boiler Room Former Dry Well		Former Hammer Shop		Paint Shop Former Dry Well		Comparison Value for Areas of Concern
Sample ID	I07 B03 5-7	I07 B03 7-9	I08 B01 2-4'	I08 B01 9-11'	I09 B01 1-3'	I09 B01 3-5'	I10 B01 4-6'	I10 B01 10-12	
Sample Depth (ft)	5-7	7-9	2-4	9-11	1-3	3-5	4-6	10-12	
Sampling Date	10/17/00	10/17/00	09/26/00	09/26/00	09/26/00	09/26/00	09/25/00	09/25/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	18	0.68 B	0.28 U	0.57 B	3.5	2.3	1.3	0.91 B	20
Barium	14.5 B	15.8 B	5.4 B	6.5 B	25.2	11.1 B	7 B	12.7 B	5500
Cadmium	12	2.1	0.08 U	0.08 U	0.09 U	0.08 U	0.34 B	0.37 B	78
Chromium	20.5	171	4.8	12.9	10.3	7.4	47.8	38.1	390
Lead	10.3	39.1	2.7	3.3	5.1	4.4	1.9	3.3	400
Mercury	0.05	0.04 U	0.03 B	0.03 B	0.02 U	0.02 B	0.17	0.03 B	23
Selenium	0.6	0.48 B	0.42 B	0.23 U	0.94	0.56	0.22 U	0.34 B	390
Silver	0.17 U	0.16 U	0.13 U	0.13 U	0.15 U	0.13 U	0.12 B	0.14 B	390

Sample Location	Former Paint Shop Booths and Paint Tunnel								Comparison Value for Areas of Concern
Sample ID	I11 B01 1-3'	I11 B01 3-5'	I11 B02 1-3'	I11 B02 3-5'	I11 B03 1-3'	I11 B03 3-5'	I11 B04 1-3'	I11 B04 3-5'	
Sample Depth (ft)	1-3	3-5	1-3	3-5	1-3	3-5	1-3	3-5	
Sampling Date	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	2.7	1.5	1.6	0.66 B	5.9	0.67 B	3.6	0.52 B	20
Barium	17.4 B	8.6 B	9.8 B	3.9 B	28	2.3 B	17.9 B	4.6 B	5500
Cadmium	0.04 U	0.04 U	0.04 U	0.04 U	0.05 U	0.04 U	0.05 U	0.04 U	78
Chromium	8.8	5.4	7.3	2.5	15.5	2.2	10.3	2.7	390
Lead	4.8	2.7	2.5	1.4	10.3	0.73	5.3	0.9	400
Mercury	0.02 B	0.02 U	0.02 U	0.02 U	0.05	0.02 U	0.03 B	0.03	23
Selenium	0.81	0.48 B	0.78	0.22 U	0.62	0.55	0.81	0.37 B	390
Silver	0.06 UN	0.06 UN	0.07 UN	0.06 UN	0.24 BN	0.06 UN	0.07 UN	0.06 UN	390

Sample Location	Former Paint Shop Booths and Paint Tunnel						Former Alodine Room		Comparison Value for Areas of Concern
Sample ID	I11 B05 1-3'	I11 B05 3-5'	I11 B06 0-2	I11 B06 2-4	I11B07 (1.5-3.5)	I11B07 (3.5-5.5)	I12 B01 1-3'	I12 B01 3-5'	
Sample Depth (ft)	1-3	3-5	0-2	2-4	1.5-3.5	3.5-5.5	11	3-5	
Sampling Date	09/28/00	09/28/00	10/16/00	10/16/00	10/20/00	10/20/00	09/21/00	09/21/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	4.8	0.83 B	1.4	0.65 B	2.20	0.78 B	2.7	2.4	20
Barium	28.9	7.9 B	9.7 B	3.3 B	12.30 B	13.30 B	13	10.3 B	5500
Cadmium	0.05 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.83 B	1.2	78
Chromium	15.6 N	2.3 N	6.1 N	25.2 N	54.20	62.20	21.8	24	390
Lead	7.8 E	1.3 E	1.7	2.3	2.90	2.50	5.7	7.8	400
Mercury	0.09 N*	0.03 BN*	0.03 U	0.03 U	0.03 U	0.03 U	0.04	0.94	23
Selenium	0.26 U	0.22 U	0.38 U	0.38 U	0.39 U	0.63	0.35 B	0.22 U	390
Silver	0.13 B	0.1 B	0.1 B	0.09 B	0.06 U	0.11 B	2.6	5.6	390

**Qualifiers**

U: Constituent was not detected at the indicated concentration.

B: Constituent detected below the Contract Required Detection Limit but greater than or equal to the Instrument Detection Limit

E: Reported value is estimated due to interference

N: Spiked sample recovery not within control limits

**Notes:**

Result exceeds Comparison Value for Areas of Concern

C-1  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- INTERIOR AREAS OF CONCERN  
RCRA METALS

Sample Location	Former Alodine Room								Comparison Value for Areas of Concern
Sample ID	I12 B02 1-3'	I12 B02 3-5'	I12 B03 1-3'	I12 B03 3-5'	I12 B04 1-3'	I12 B04 3-5'	I12 B05 1-3'	I12 B05 3-5'	
Sample Depth (ft)	1-3	3-5	1-3	3-5	1-3	3-5	1-3	3-5	
Sampling Date	09/21/00	09/21/00	09/21/00	09/21/00	09/21/00	09/21/00	09/21/00	09/21/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	2.2	2.5	2.7	1.6	2.4	1.2	3.4	3.9	20
Barium	8.9 B	13.2 B	11.5 B	23.6	10.4 B	10.9 B	10.8 B	7.7 B	5500
Cadmium	0.3 B	0.56	1.5	1.7	1	0.87	3	2.5	78
Chromium	14.1	26.7	23	73.4	29.9	25.7	73.8	71.1	390
Lead	7.9	4.6	7.6	7.6	7.2	6.3	18.9	17.8	400
Mercury	0.04	0.03 B	0.04	0.04	0.05	0.04	0.2	0.13	23
Selenium	0.34 B	0.56	0.34 B	0.25 B	0.32 B	0.23 B	0.22 U	0.29 B	390
Silver	2.4	2.2	4.6	3.8	7	6.1	22.3	19.6	390

Sample Location	Former Downspout Dry wells				Former Heat Treat Room			Former Paint Mixing Room	Comparison Value for Areas of Concern
Sample ID	I13 B01 2-4	I13 B01 8-9	I13B02(2-4)	I13B02 (6-7)	I16 B02 1-3'	I16B02 (3.5-5.5)	I16B02 (5.5-7.5)	I17 B01 1-3'	
Sample Depth (ft)	2-4	8-9	2-4	6-7	1-3	3.5-5.5	5.5-7.5	1-3	
Sampling Date	10/17/00	10/17/00	10/20/00	10/20/00	09/21/00	10/19/00	10/19/00	09/26/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.63 U	0.65 B	2.10	0.81 B	1.7	1.40	1.60	3.2	20
Barium	14.9 B	9.6 B	8.20 B	4.20 B	8.1 B	13.50 B	5.40 B	17.9 B	5500
Cadmium	0.22 U	0.2 U	0.04 U	0.04 U	0.08 U	0.04 U	0.04 U	0.1 U	78
Chromium	7.6	16.7	5.70	9.80	4.9	6.80	4.00	12.6	390
Lead	5.3	2.7	2.30	5.70	1.1	4.70	3.70	6.9	400
Mercury	0.04 U	0.03 U	0.03 U	0.03 U	0.07	0.04 U	0.03 U	0.05	23
Selenium	0.44 U	0.4 U	0.59	0.43 B	0.61	0.40 B	0.42 B	1	390
Silver	0.18 U	0.16 U	0.07 B	0.06 U	0.27 B	0.06 U	0.06 U	0.16 U	390

Sample Location	Former Paint Mixing Room			Material Stock Room		Five Former Machine Pits			Comparison Value for Areas of Concern
Sample ID	I17 B01 3-5'	I17 B02 1-3'	I17 B02 3-5'	I19 B01 1-3'	I19 B01 3-5'	I21 B01 2-4	I21 B01 4-6	I21 B02 1-3'	
Sample Depth (ft)	3-5	1-3	3-5	1-3	3-5	2-4	4-6	1-3	
Sampling Date	09/26/00	09/26/00	09/26/00	09/28/00	09/28/00	10/04/00	10/04/00	10/03/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	1.8	0.29 U	0.27 U	1.2	1.8	1.4	1.4	1.5 E	20
Barium	6.5 B	8.9 B	3.9 B	6.4 B	10.9 B	5.6 B	4.7 B	13.2 B	5500
Cadmium	0.08 U	0.09 U	0.08 U	0.04 U	0.04 U	0.04 U	0.05 U	0.08 U	78
Chromium	3.6	3.8	1.7	3.5 N	4.8 N	5.1	3	6.9	390
Lead	1.6	4.3	1.9	2.6 E	3.3 E	1.8	8.2	3.4 E	400
Mercury	0.03 B	0.06	0.02 B	0.02 UN*	0.04 N*	0.02 U	0.02 B	0.02 U	23
Selenium	0.48 B	0.8	0.22 U	0.22 U	0.34 B	0.22 U	0.71	0.22 U	390
Silver	0.13 U	0.14 U	0.13 U	0.06 U	0.07 B	0.14 B	0.09 B	0.13 UN	390

**Qualifiers**

U: Constituent was not detected at the indicated concentration  
 B: Constituent detected below the Contract Required Detection Limit but greater than or equal to the Instrument Detection Limit  
 E: Reported value is estimated due to interference  
 N: Spiked sample recovery not within control limits

**Notes:**

☐ Result exceeds Comparison Value for Areas of Concern

Table C-1  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- INTERIOR AREAS OF CONCERN  
RCRA METALS

Sample Location	Five Former Machine Pits							Pump Station "B"	Comparison Value for Areas of Concern
Sample ID	I21 B02 3-5"	I21 B03 5-7	I21 B03 7-9	I21 B04 1-3	I21 B04 3-5	I21 B05 1-3"	I21 B05 3-5"	I23 B01 0-2	
Sample Depth (ft)	3-5	5-7	7-9	1-3	3-5	1-3	3-5	0-2	
Sampling Date	10/03/00	10/04/00	10/04/00	10/04/00	10/04/00	10/03/00	10/03/00	10/18/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	2.2 E	2.4	2	1.3	1.4	2.9 E	1.2 E	1.8	20
Barium	12.2 B	11.9 B	12.8 B	3.3 B	9.1 B	9.5 B	9.4 B	8.7 B	5500
Cadmium	0.32 B	0.1 B	0.28 B	0.05 U	0.04 U	0.1 U	0.08 U	0.04 U	78
Chromium	12.3	5.1	5.2	3.1	3.8	5.3	5	4.3	390
Lead	5.1 E	4.7	4.4	2.5	2.9	6.2 E	2.7 E	3.3	400
Mercury	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.27 N	23
Selenium	0.23 U	0.25 U	0.23 U	0.39 B	0.23 U	0.57 B	0.23 U	0.38 U	390
Silver	0.31 BN	0.13 B	0.09 B	0.07 U	0.06 U	0.15 UN	0.14 UN	0.06 U	390

Sample Location	Pump Station "B"	Hallway Adjacent to Former Aodine Room				Air Handling Unit Room		Former Storage Building	Comparison Value for Areas of Concern
Sample ID	I23 B01 2-4	I26 B01 1-3"	I26 B01 3-5"	I26 B02 1.5-3.5"	I26 B02 3.5-5.5"	I26 B01 2-4"	I26 B01 4-6"	I30 B01 1-3	
Sample Depth (ft)	2-4	1-3	3-5	1.5-3.5	3.5-5.5	2-4	4-6	1-3	
Sampling Date	10/18/00	09/22/00	09/22/00	09/22/00	09/22/00	09/28/00	09/28/00	09/19/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.98 B	3	1.6	1.4	0.85 B	4.4	1.1	3.2	20
Barium	4.3 B	15 B	4.9 B	6 B	2.1 B	33.6	9.1 B	11.4 B	5500
Cadmium	0.04 U	0.2 B	0.04 U	0.15 B	0.04 U	0.05 U	0.04 U	0.05 U	78
Chromium	4.3	23.5	7.4	21.3	2.8	15.8 N	4.8 N	7.2	390
Lead	1.4	94.6	1.3	2.1	1	8 E	7.1 E	37.7	400
Mercury	0.04 N	0.02 U	0.02 B	0.02 U	0.02 U	0.07 N	0.02 BN	0.03 B	23
Selenium	0.38 U	0.26 U	0.23 U	0.23 U	0.22 U	0.25 U	0.41 B	0.55 B	390
Silver	0.06 U	0.07 U	0.06 U	0.06 U	0.06 U	0.19 B	0.14 B	0.07 U	390

Sample Location	Former Storage Building								Comparison Value for Areas of Concern
Sample ID	I30 B01 3-5	I30 B02 1-3	I30 B02 3-5	I30 B03 1-3	I30 B03 3-5	I30 B04 1-3	I30 B04 3-5	I30 B05 6-8"	
Sample Depth (ft)	3-5	1-3	3-5	1-3	3-5	1-3	3-5	6-8	
Sampling Date	09/19/00	09/19/00	09/19/00	09/18/00	09/18/00	09/19/00	09/19/00	10/03/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	2.7	3.8	0.71 B	1.6	0.72 B	3.7	1.7	1.7 E	20
Barium	13.4 B	14.6 B	3.1 B	28.3 E	4.7 E	7.4 B	1.9 B	5.4 B	5500
Cadmium	0.04 U	0.04 U	0.04 U	10.3 B	13.4 B	0.04 U	0.04 U	0.06 U	78
Chromium	8.2	7.8	2	0.09 U	0.08 U	5.4	2.5	2.9	390
Lead	8.1	4.1	1.3	0.02 B	0.04	3.2	1.2	0.68 E	400
Mercury	0.03 B	0.04	0.03 B	0.49 B	0.22 U	0.05	0.06	0.07	23
Selenium	0.52 B	0.85	0.23 U	0.34 B	0.13 U	0.6	0.23 U	0.22 U	390
Silver	0.11 B	0.07 U	0.07 B	5	6.7	0.06 U	0.06 U	0.13 UN	390

**Qualifiers**

U: Constituent was not detected at the indicated concentration.  
B: Constituent detected below the Contract Required Detection Limit but greater than or equal to the Instrument Detection Limit.  
E: Reported value is estimated due to interference.  
N: Spiked sample recovery not within control limits.

**Notes:**

Result exceeds Comparison Value for Areas of Concern

C-1  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- INTERIOR AREAS OF CONCERN  
RCRA METALS

Sample Location	Former Storage Building					Refrigeration/Air Conditioning Room			Comparison Value for Areas of Concern
Sample ID	I30 B05 8-10'	I30 B06 1-3	I30 B06 3-5	I30 B07 0-2	I30 B07 2-4	I31 B01 1-3	I31 B01 3-5	I31 B02 2-4	
Sample Depth (ft)	8-10	1-3	3-5	0-2	2-4	1-3	3-5	2-4	
Sampling Date	10/03/00	09/18/00	09/17/00	10/17/00	10/17/00	09/18/00	09/18/00	09/18/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.57 BE	3.6	0.45 B	2.5	0.59 U	2.3	1.3	5.3	20
Barium	5.8 B	11.1 E	2.3 E	12.7	3.5 B	5.7 E	5.7 E	33.2 E	5500
Cadmium	0.08 U	24.6	3.8 B	0.22 U	0.21 U	6.7 B	16.1 B	18.2 B	78
Chromium	4.4	0.1 U	0.09 U	5.7	2	0.08 U	0.08 U	7.2	390
Lead	2.8 E	0.07	0.03 B	11.7	3.1	0.06	0.04	0.07	400
Mercury	0.03 B	0.53 B	0.5 B	1.6	0.35	0.22 U	0.23 U	0.45 B	23
Selenium	0.67	1 B	0.27 B	0.81	0.41 U	0.17 B	0.28 B	0.75 B	390
Silver	0.13 UN	12.2	2.6	0.17 U	0.16 U	2.6	9.3	14.7	390

Sample Location	Refrigeration/Air Conditioning Room	Hangar 1							Comparison Value for Areas of Concern
Sample ID	I31 B02 4-6	I32 B01 1-3	I32 B01 3-5	I32 B02 1-3	I32 B02 3-5	I32 B03 1-3	I32 B03 3-5	I32 B04 1-3	
Sample Depth (ft)	4-6	1-3	3-5	1-3	3-5	1-3	3-5	1-3	
Sampling Date	09/18/00	09/19/00	09/19/00	09/19/00	09/19/00	09/20/00	09/20/00	09/20/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	1.8	3.8	2.5	2.5	2.3	2.9	2.4	4	20
Barium	5.5 E	16.9 B	20.7 B	12.6 B	18.3 B	12.7 B	9.4 B	22.5 B	5500
Cadmium	8.5 B	0.05 U	0.04 U	0.04 U	0.05 U	0.05 U	0.04 U	0.05 U	78
Chromium	0.09 U	9.2	9.9	7.6	7.7	7.5	6.3	10.6	390
Lead	0.04 E	26.4	6	7.6	4.6	8	3.3	12.1	400
Mercury	0.25 U	0.07	0.03 B	0.08	0.05	0.07	0.08	0.08	23
Selenium	0.4 E	0.96	0.43 B	0.38 B	0.25 U	0.59	0.24 U	0.57 B	390
Silver	5.4	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.06 U	0.12 B	390

Sample Location	Hangar 1	Storage Area in Office Area East of Hangar 2		Old Ejection Pits				Former Router Room	Comparison Value for Areas of Concern
Sample ID	I32 B04 3-5	I33 B01 1-3'	I33 B01 3-5'	I34 B01 4-6	I34 B01 6-8	I34 B02 2-4	I34 B02 4-6	I36 B01 1-3'	
Sample Depth (ft)	3-5	1-3	3-5	4-6	6-8	2-4	4-6	1-3	
Sampling Date	09/20/00	09/28/00	09/28/00	09/29/00	09/29/00	09/29/00	09/29/00	09/22/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	3.4	1.8	1.9	1.9	1.6	3.2	0.5 B	2.4	20
Barium	14.3 B	12.2 B	20.4 B	12.3 B	2.9 B	30	2.7 B	9.6 B	5500
Cadmium	0.04 U	0.04 U	0.04 U	0.05 U	0.04 U	0.05 U	0.04 U	0.04 U	78
Chromium	8	5.7 N	7.1 N	5.3	3.3	14.9	5.1	7	390
Lead	4.9	9.7 E	4.8 E	3.5	1.8	9.1	1.1	5.4	400
Mercury	0.1	0.04 N	0.03 BN	0.02 U	0.02 U	0.04	0.02 U	0.02 U	23
Selenium	0.62	0.23 U	0.31 B	0.27 U	0.22 U	0.26 U	0.32 B	0.42 B	390
Silver	0.15 B	0.06 U	0.11 B	0.1 B	0.09 B	0.55 B	0.12 B	0.06 UN	390

**Qualifiers**

- U Constituent was not detected at the indicated concentration.
- B Constituent detected below the Contract Required Detection Limit but greater than or equal to the Instrument Detection Limit
- E Reported value is estimated due to interference
- N Spiked sample recovery not within control limits

**Notes:**

☐ Result exceeds Comparison Value for Areas of Concern

Table C-1  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- INTERIOR AREAS OF CONCERN  
RCRA METALS

Sample Location	Former Router Room			Machine Shop (previously referred to as Former Upholstery Room)				Boiler Room	Comparison Value for Areas of Concern
Sample ID	I36 B01 3-5'	I36 B02 1-3'	I36 B02 3-5'	I37 B01 1-3'	I37 B01 3-5'	I37 B02 1-3'	I37 B02 3-5'	I38 B01 1-3'	
Sample Depth (ft)	3-5	1-3	3-5	1-3	3-5	1-3	3-5	1-3	
Sampling Date	09/22/00	09/22/00	09/22/00	09/27/00	09/27/00	09/27/00	09/27/00	09/26/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	2.8	3.1	0.97 B	1.4	2.3	1.1 B	3	2.2	20
Barium	16.6 B	16.8 B	8.1 B	8.4 B	21.7 B	11.1 B	25.3	17.3 B	5500
Cadmium	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.09 U	78
Chromium	8	8.7	3.1	5.6	15.4	5.6	31.2	6.2	390
Lead	4.3	5.4	2.5	3.1	5.4	3.2	5.8	5.3	400
Mercury	0.06	0.04	0.02 U	0.05	0.06	0.03 B	0.02 U	0.05	23
Selenium	0.42 B	0.85	0.46 B	0.41 B	0.28 B	0.48 B	0.59	0.84	390
Silver	0.07 UN	0.06 UN	0.07 UN	0.06 U	0.07 U	0.06 U	0.14 B	0.14 U	390

Sample Location	Boiler Room			Former Facility Maintenance Area			Former Facility Maintenance Area	Hanger 2	Comparison Value for Areas of Concern
Sample ID	I38 B01 3-5'	I38 B02 1-3'	I38 B02 3-5'	I39 B01 1-3'	I39 B01 3-5'	I39 B02 1-3'	I39 B02 3-5'	I40 B01 2-4'	
Sample Depth (ft)	3-5	1-3	3-5	1-3	3-5	1-3	3-5	2-4	
Sampling Date	09/26/00	09/26/00	09/26/00	09/19/00	09/19/00	09/19/00	09/19/00	10/04/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
Arsenic	0.41 B	0.68 B	2.6	1.3	1.3	3.2	1.2	2.3	20
Barium	4.6 B	14.5 B	45.7	5.2 B	3.5 B	9.5 B	4.4 B	7.7 B	5500
Cadmium	0.06 U	0.06 U	0.09 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	78
Chromium	2.6	5.8	13.1	3.5	4.1	8	2.8	5.2	390
Lead	1.9	4.3	7	2.3	1.6	3.7	1.8	3.1	400
Mercury	0.03 B	0.06	0.04	0.03 B	0.02 U	0.03 B	0.03 B	0.02 U	23
Selenium	0.3 B	0.56	0.53 B	0.29 B	0.22 U	0.23 U	0.22 U	0.27 B	390
Silver	0.13 U	0.14 U	0.14 U	0.06 U	0.06 U	0.06 U	0.06 U	1.3	390

Sample Location	Hanger 2								Comparison Value for Areas of Concern
Sample ID	I40 B01 4-6'	I40 B03 1-3'	I40 B03 3-5'	I40 B04 1-3'	I40 B04 3-5'	I40 B05 1-3'	I40 B05 3-5'	I40 B06 1-3'	
Sample Depth (ft)	4-6	1-3	3-5	1-3	3-5	1-3	3-5	1-3	
Sampling Date	10/04/00	09/20/00	09/20/00	09/20/00	09/20/00	09/20/00	09/20/00	09/20/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	1.5	1.5	1.5	2.3	0.85 B	2.1	1 B	2.3	20
Barium	2.9 B	8.2 B	11.5 B	10.6 B	2.4 B	9.4 B	2.6 B	14.3 B	5500
Cadmium	0.04 U	0.11 B	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	78
Chromium	9.2	6.7	7.6	5.8	2.3	7.6	2.3	8.3	390
Lead	1.4	7.8	3.1	3.8	1.2	3.3	1.3	9.1	400
Mercury	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	23
Selenium	0.22 U	0.23 U	0.23 U	0.22 U	0.21 U	0.22 U	0.23 U	0.35 B	390
Silver	0.06 U	0.06 U	0.06 U	0.07 B	0.06 U	0.06 B	0.06 U	0.06 U	390

**Qualifiers**

U: Constituent was not detected at the indicated concentration.

B: Constituent detected below the Contract Required Detection Limit but greater than or equal to the Instrument Detection Limit.

E: Reported value is estimated due to interference.

N: Split sample recovery not within control limits.

**Notes:**

Result exceeds Comparison Value for Areas of Concern

SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- INTERIOR AREAS OF CONCERN  
RCRA METALS

Sample Location	Random Locations of Historic Manufacturing Operations								Companion Value for Areas of Concern
Sample ID	I40 B06 3-5	I41 B01 0-2	I41 B01 2-4	I41 B02 1-3	I41 B02 3-5	I41 B03 1-3	I41 B03 3-5	I41 B04 1-3	
Sample Depth (ft)	3-5	0-2	2-4	1-3	3-5	1-3	3-5	1-3	
Sampling Date	09/20/00	10/16/00	10/16/00	10/13/00	10/13/00	10/13/00	10/13/00	10/13/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.6 B	2.1	1.8	0.64 U	0.57 U	10.1	8.8	2.5	20
Barium	2.4 B	13.1 B	10 B	6.8 B	3.3 B	11.4 B	30.9	32.2	5500
Cadmium	0.04 U	0.04 U	0.04 U	0.23 U	0.2 U	0.2 U	0.2 U	0.22 U	78
Chromium	2.3	7.6 N	6.7 N	8.8 E	2.4 E	12.7 E	9.4 E	15 E	390
Lead	1.2	5.7	5	3.3 E	2.8 E	19.7 E	16.2 E	8.8 E	400
Mercury	0.02 U	0.08	0.05	0.06 N	0.03 UN	0.03 UN	0.03 UN	0.04 UN	23
Selenium	0.23 B	0.4 U	0.43 B	0.77	0.4 U	0.62	0.39 U	0.88	390
Silver	0.06 U	0.12 B	0.08 B	0.18 U	0.16 U	0.16 U	0.16 U	0.18 U	390

Sample Location	Random Locations of Historic Manufacturing Operations			Paint Shop Dry Well in Former Hammer Shop	Dry Wells in Former Carpentry Shop				Companion Value for Areas of Concern
Sample ID	I41 B04 3-5	I41 B05 1-3	I41 B05 3-5	I42B01 (8-10)	I43B01 (8-10)	I43B01A 10-12	I43B01A 12-14	I43B01(14-16)	
Sample Depth (ft)	3-5	1-3	3-5	8-10	8-10	10-12	12-14	14-16	
Sampling Date	10/13/00	10/13/00	10/13/00	10/19/00	10/20/00	12/28/00	12/28/00	10/20/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.56 U	1 B	1	1	9.9	3.2	1.5	1.70	20
Barium	4.1 B	22.9	22.9	5.6 B	19.9 B	12.2 B	6.2 B	4.00 B	5500
Cadmium	0.2 U	0.21 U	0.21 U	0.041 U	4	0.34 B	0.05 B	0.04 U	78
Chromium	2.7 E	10.1 E	8.7 E	16	1080	52.3	10.8	23.50	390
Lead	2.4 E	5.7 E	5.4 E	2.2	1470	34.7	4.4	11.00	400
Mercury	0.03 UN	0.04 UN	0.04 UN	0.034 U	0.037 U	0.1	0.04 U	0.03 U	23
Selenium	0.4 U	0.43 U	0.45 B	0.76	2.5	0.44 U	0.41 U	0.39 U	390
Silver	0.16 U	0.17 U	0.17 U	0.061 U	2	0.13 B	0.07 U	0.06 U	390

Sample Location	Dry Wells in Former Carpentry Shop		Canopy Trim Fixture Drain Hole/Sump Pit		Waste Collection Station Adj To Canopy Drain/Sump Pit		Former Spot Weld Rinse Tank		Companion Value for Areas of Concern
Sample ID	I43B02 (11-13)	I43B02(13-15)	I44B01 (4-6)	I44B01 (6-8)	I45 B01 0-2	I45 B01 2-4	I46 B01 0-2	I46 B01 2-4	
Sample Depth (ft)	11-13	13-15	4-6	6-8	0-2	2-4	0-2	2-4	
Sampling Date	10/20/00	10/20/00	10/20/00	10/20/00	10/16/00	10/16/00	10/16/00	10/16/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.87 B	2.10	0.46 B	0.44 U	2.2	2.6	4.2	1.9	20
Barium	6.70 B	31.50	3.80 B	2.90 B	9.2 B	15.9 B	70.4	20.4 B	5500
Cadmium	0.04 U	0.31 B	0.08 B	0.05 U	0.19 B	0.04 U	0.05 U	0.04 U	78
Chromium	20.60	96.00	2.30	2.60	15.7 N	6.8 N	21.8 N	6.8 N	390
Lead	7.30	51.30	1.00	3.10	1.9	2.8	9.8	4.1	400
Mercury	0.04 U	0.05 U	0.03 U	0.04 U	0.03 U	0.03 U	0.05	0.04	23
Selenium	0.40 U	1.10	0.38 U	0.45 U	0.39 U	0.39 U	0.43 U	0.42 U	390
Silver	0.28 B	126.00	0.06 U	0.07 U	0.09 B	0.07 B	0.07 U	0.09 B	390

**Qualifiers**

U Constituent was not detected at the indicated concentration  
B Constituent detected below the Contract Required Detection Limit but greater than or equal to the Instrument Detection Limit  
E Reported value is estimated due to interference  
N Spiked sample recovery not within control limits

**Notes:**

Result exceeds Companion Value for Areas of Concern

Table C-1  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- INTERIOR AREAS OF CONCERN  
RCRA METALS

Sample Location	RHIC Magnet Pumping Units								Comparison Value for Areas of Concern
Sample ID	I47 B01 0-2	I47 B02 2-4	I47 B02 0-2	I47 B02 2-4					
Sample Depth (ft)	0-2	2-4	0-2	2-4					
Sampling Date	10/16/00	10/16/00	10/16/00	10/16/00					
Matrix	S	S	S	S					
Dilution Factor	1.0	1.0	1.0	1.0					
Units	mg/kg	mg/kg	mg/kg	mg/kg					mg/kg
Arsenic	2.6	0.96 B	5.2	0.8 B					20
Barium	10 B	3.6 B	26.9	6.3 B					5500
Cadmium	0.04 U	0.06 B	0.04 U	0.04 U					78
Chromium	19.8 N	11 N	15.3 N	2.3 N					390
Lead	1.9	1.1	7.7	1.7					400
Mercury	0.04	0.11	0.04 U	0.04					23
Selenium	0.44 B	0.38 U	1.1	0.38 U					390
Silver	0.06 U	0.06 U	0.21 B	0.06 U					390

**Qualifiers**

U: Constituent was not detected at the indicated concentration.

B: Constituent detected below the Contract Required Detection Limit but greater than or equal to the Instrument Detection Limit

E: Reported value is estimated due to interference

N: Spiked sample recovery not within control limits

**Notes:**

☐ Result exceeds Comparison Value for Areas of Concern



-2  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Paint Spray Room		Former Paint Storage Room		Former Storage Bldg DW	Former Dry Well Area			Comparison Value for Areas of Concern
Sample ID	I02 B01 1-3	I02 B01 3-5	I03 B01 1-3	I03 B01 3-5	I04 B01 6-10	I05 B01 6-10	I05 B01 20-22	E43 B02/I05 B02 6-8	
Sample Depth (ft)	1-3	3-5	1-3	3-5	6-10	6-10	20-22	6-8	
Sampling Date	09/19/00	09/19/00	09/19/00	09/19/00	10/17/00	10/02/00	10/02/00	10/12/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
Bromomethane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
Vinyl Chloride	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	300
Chloroethane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
Methylene Chloride	2.9 J	2.9 J	4.8 J	4.1 J	3.3 JB	5.8 U	5.5 U	4.4 J	85000
Trichlorofluoromethane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
1,1-Dichloroethene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	1000
1,1-Dichloroethane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	7800000
trans-1,2-Dichloroethene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	1600000
cis-1,2-Dichloroethene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	780000
Chloroform	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	1.9 J	100000
1,2-Dichloroethane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	7000
1,1,1-Trichloroethane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
Carbon Tetrachloride	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	5000
Bromodichloromethane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	10000
1,2-Dichloropropane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	9000
cis-1,3-Dichloropropene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	4000
Trichloroethene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	58000
Dibromochloromethane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
1,1,2-Trichloroethane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	11000
Benzene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	22000
1,3-Dichloropropene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	4000
2-Chloroethyl Vinyl Ether	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
Bromoform	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	81000
Tetrachloroethene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	12000
1,1,2,2-Tetrachloroethane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	3000
Toluene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	16000000
Chlorobenzene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	16000000
2-Butanone	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
Ethyl Benzene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	7800000
m,p-Xylenes	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	160000000
o-Xylene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	160000000
Acetone	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	7800000
Carbon Disulfide	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	7800000
4-Methyl-2-Pentanone	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
2-Hexanone	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
Styrene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	16000000
1,3-Dichlorobenzene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
1,4-Dichlorobenzene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	27000
1,2-Dichlorobenzene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	7000000
Dichlorodifluoromethane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
Vinyl Acetate	27 U	28 U	29 U	26 U	25 U	5.8 U	5.5 U	5.8 U	—
2,2-Dichloropropane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	29 U	78000000
Bromochloromethane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
1,1-Dichloropropene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
1,3-Dichloropropane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
1,2-Dibromoethane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
Isopropylbenzene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
1,2,3-Trichloropropane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
1,1,1,2-Tetrachloroethane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
Bromobenzene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
n-propylbenzene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
2-Chlorotoluene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
1,3,5-Trimethylbenzene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
4-Chlorotoluene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
tert-Butylbenzene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
1,2,4-Trimethylbenzene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
sec-Butylbenzene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
p-Isopropyltoluene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
Dibromomethane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
n-Butylbenzene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
1,2-Dibromo-3-Chloropropane	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
1,2,4-Trichlorobenzene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
Hexachlorobutadiene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	780000
Naphthalene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	8000
MTBE	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	3100000
1,2,3-Trichlorobenzene	5.4 U	5.6 U	5.8 U	5.2 U	5.1 U	5.8 U	5.5 U	5.8 U	—
Total Confident Conc. VOAs (s)	3	3	5	4	3	ND	ND	6	10000

**Qualifiers**

U The compound was not detected at the indicated concentration  
J Date indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero  
The concentration given is an approximate value  
B. The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes**

— Not established  
ND Not Detected

Table C-2  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Dry Well Area	Former Paint Shop				Former Paint Tunnel			Comparison Value for Areas of Concern
Sample ID	E43 B02/05 B02 14-16	106 B01 1-3'	106 B01 3-5'	106 B02 1-3'	106 B02 3-5'	107 B01 3-5'	107 B01 5-7'	107 B02 1-3'	
Sample Depth (ft)	14-16	1-3	3-5	1-3	3-5	3-5	5-7	1-3	
Sampling Date	10/12/00	09/21/00	09/21/00	09/21/00	09/21/00	09/29/00	09/29/00	09/21/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	10.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
Bromomethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
Vinyl Chloride	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	300
Chloroethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
Methylene Chloride	3.8 J	5.2 U	5.1 U	6 U	6.3 U	57 J	4.2 J	5.6 U	85000
Trichlorofluoromethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
1,1-Dichloroethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	1000
1,1,1-Trichloroethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	7800000
trans-1,2-Dichloroethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	1600000
cis-1,2-Dichloroethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	780000
Chloroform	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	100000
1,2-Dichloroethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	7000
1,1,1-Trichloroethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	410	5.6 U	5.6 U	—
Carbon Tetrachloride	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	5000
Bromodichloromethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	10000
1,2-Dichloropropane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	9000
cis-1,3-Dichloropropene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	4000
Trichloroethene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	12 J	5.6 U	5.6 U	58000
Dibromochloromethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
1,1,2-Trichloroethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	11000
Benzene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	22000
1,1,3-Dichloropropene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	4000
2-Chloroethyl Vinyl Ether	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
Bromoforn	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	61000
Tetrachloroethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	1.6 J	5.6 U	12000
1,1,2,2-Tetrachloroethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	3000
Toluene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	16000000
Chlorobenzene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	1600000
2-Butanone	29	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
Ethyl Benzene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	26 J	5.6 U	5.6 U	7800000
m/p-Xylenes	5.7 U	5.2 U	5.1 U	6 U	6.3 U	120	5.6 U	5.6 U	160000000
o-Xylene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	83	5.6 U	5.6 U	160000000
Acetone	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	7800000
Carbon Disulfide	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	7800000
4-Methyl-2-Pentanone	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
2-Hexanone	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
Styrene	8.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	16000000
1,3-Dichlorobenzene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
1,4-Dichlorobenzene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	27000
1,2-Dichlorobenzene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	7000000
Dichlorodifluoromethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
Vinyl Acetate	29 U	26 U	26 U	30 U	32 U	290 U	29 U	26 U	78000000
2,2-Dichloropropane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
Bromochloromethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
1,1-Dichloropropane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
1,3-Dichloropropane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
1,2-Dibromoethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
Isopropylbenzene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
1,2,3-Trichloropropane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
1,1,1,2-Tetrachloroethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
Bromobenzene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
n-propylbenzene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
2-Chlorotoluene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
1,3,5-Trimethylbenzene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
4-Chlorotoluene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
tert-Butylbenzene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
1,2,4-Trimethylbenzene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
sec-Butylbenzene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
p-Isopropyltoluene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
Dibromomethane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
n-Butylbenzene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
1,2-Dibromo-3-Chloropropane	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
1,2,4-Trichlorobenzene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	780000
Hexachlorobutadiene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	8000
Naphthalene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	3100000
MTBE	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
1,2,3-Trichlorobenzene	5.7 U	5.2 U	5.1 U	6 U	6.3 U	57 U	5.6 U	5.6 U	—
Total Confident Conc. VOAs (s)	33	ND	ND	ND	ND	708	6	ND	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.  
The concentration given is an approximate value.

**Notes**

—: Not established

ND: Not Detected

SUMMARY ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Paint Tunnel			Boiler Room Former Dry Well		Former Hammer Shop		Paint Shop Former DW	Comparison Value for Areas of Concern
Sample ID	I07 B02 3-5'	I07 B03 5-7'	I07 B03 7-9'	I08 B01 2-4'	I08 B01 9-11'	I09 B01 1-3'	I09 B01 3-5'	I10 B01 4-6'	
Sample Depth (ft)	3-5	5-7	7-9	2-4	9-11	1-3	3-5	4-6	
Sampling Date	09/21/00	10/17/00	10/17/00	09/28/00	09/28/00	09/26/00	09/26/00	09/25/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
Bromomethane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
Vinyl Chloride	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	300
Chloroethane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
Methylene Chloride	5.1 U	4.4 JB	4.4 JB	5.1 U	6.9	7.3	6.2	4.5 J	85000
Trichlorofluoromethane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
1,1-Dichloroethene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	1000
1,1,1-Trichloroethane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	7800000
trans-1,2-Dichloroethene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	1600000
cis-1,2-Dichloroethene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	7800000
Chloroform	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	100000
1,2-Dichloroethane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	7000
1,1,1-Trichloroethane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
Carbon Tetrachloride	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	5000
Bromodichloromethane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	10000
1,2-Dichloropropane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	9000
cis-1,3-Dichloropropene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	4000
Trichloroethene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	58000
Dibromochloromethane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
1,1,2-Trichloroethane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	11000
Benzene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	22000
t-1,3-Dichloropropene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	4000
2-Chloroethyl Vinyl Ether	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
Bromoform	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	81000
Tetrachloroethene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	12000
1,1,2,2-Tetrachloroethane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	3000
Toluene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	16000000
Chlorobenzene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	1600000
2-Butanone	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
Ethyl Benzene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	7800000
m/p-Xylenes	5.1 U	5.6 U	7.2	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	160000000
o-Xylene	5.1 U	5.6 U	26 J	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	160000000
Acetone	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	7800000
Carbon Disulfide	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	7800000
4-Methyl-2-Pentanone	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
2-Hexanone	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
Styrene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	16000000
1,3-Dichlorobenzene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
1,4-Dichlorobenzene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	27000
1,2-Dichlorobenzene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	7000000
Dichlorodifluoromethane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
Vinyl Acetate	26 U	28 U	26 U	26 U	26 U	29 U	26 U	26 U	78000000
2,2-Dichloropropane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
Bromochloromethane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
1,1-Dichloropropene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
1,3-Dichloropropane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
1,2-Dibromoethane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
Isopropylbenzene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
1,2,3-Trichloropropane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
1,1,1,2-Tetrachloroethane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
Bromobenzene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
n-propylbenzene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
2-Chlorotoluene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
1,3,5-Trimethylbenzene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
4-Chlorotoluene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
tert-Butylbenzene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
1,2,4-Trimethylbenzene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
sec-Butylbenzene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
p-Isopropyltoluene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
Dibromomethane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
n-Butylbenzene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
1,2-Dibromo-3-Chloropropane	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
1,2,4-Trichlorobenzene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	780000
Hexachlorobutadiene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	8000
Naphthalene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	3100000
MTBE	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
1,2,3-Trichlorobenzene	5.1 U	5.6 U	5.2 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	---
Total Confident Conc. VOAs (s)	ND	4	14	ND	7	7	6	5	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.  
J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.  
The concentration given is an approximate value.  
B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes**

--- Not established  
ND Not Detected

Table C-2  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Paint Shop Former DW		Former Paint Shop Booths and Paint Tunnel						Comparison Value for Areas of Concern
Sample ID	I10 B01 10-12	I11 B01 1-3	I11 B01 3-5	I11 B02 1-3	I11 B02 3-5	I11 B03 1-3	I11 B03 3-5	I11 B04 1-3	
Sample Depth (ft)	10-12	1-3	3-5	1-3	3-5	1-3	3-5	1-3	
Sampling Date	09/25/00	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
Bromomethane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
Vinyl Chloride	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	300
Chloroethane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
Methylene Chloride	5.1 J	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	85000
Trichlorofluoromethane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
1,1-Dichloroethene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	1000
1,1-Dichloroethane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	7800000
trans-1,2-Dichloroethene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	1600000
cis-1,2-Dichloroethene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	780000
Chloroform	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	100000
1,2-Dichloroethane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	7000
1,1,1-Trichloroethane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
Carbon Tetrachloride	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	5000
Bromodichloromethane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	10000
1,2-Dichloropropane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	9000
cis-1,3-Dichloropropane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	4000
Trichloroethene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	58000
Dibromochloromethane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
1,1,2-Trichloroethane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	11000
Benzene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	22000
1,3-Dichloropropane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	4000
2-Chloroethyl Vinyl Ether	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
Bromoform	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	81000
Tetrachloroethene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	12000
1,1,2,2-Tetrachloroethane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	3000
Toluene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	16000000
Chlorobenzene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	1600000
2-Butanone	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
Ethyl Benzene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	7800000
m/p-Xylenes	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	160000000
o-Xylene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	160000000
Acetone	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	7800000
Carbon Disulfide	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	7800000
4-Methyl-2-Pentanone	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
2-Hexanone	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
Styrene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	16000000
1,3-Dichlorobenzene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
1,4-Dichlorobenzene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	27000
1,2-Dichlorobenzene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	7000000
Dichlorodifluoromethane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
Vinyl Acetate	26 U	26 U	26 U	27 U	30 U	26 U	26 U	26 U	78000000
2,2-Dichloropropane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
Bromochloromethane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
1,1-Dichloropropane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
1,3-Dichloropropane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
1,2-Dibromoethane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
Isopropylbenzene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
1,2,3-Trichloropropane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
1,1,1,2-Tetrachloroethane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
Bromobenzene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
n-Propylbenzene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
2-Chlorotoluene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
1,3,5-Trimethylbenzene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
4-Chlorotoluene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
tert-Butylbenzene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
1,2,4-Trimethylbenzene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
sec-Butylbenzene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
p-Isopropyltoluene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
Dibromomethane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
n-Butylbenzene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
1,2-Dibromo-3-Chloropropane	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
1,2,4-Trichlorobenzene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	780000
Hexachlorobutadiene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	8000
Naphthalene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	3100000
MTBE	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
1,2,3-Trichlorobenzene	5.2 U	5.3 U	5.2 U	5.5 U	5.1 U	6 U	5.2 U	5.6 U	—
Total Confident Conc. VOAs (g)	10	ND	ND	ND	ND	ND	ND	ND	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.  
The concentration given is an approximate value

**Notes**

— Not established

ND Not Detected

C-2  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Paint Shop Booths and Paint Tunnel							Former Alodine Room	Companion Value for Areas of Concern
Sample ID	I11 B04 3-5'	I11 B05 1-3'	I11 B05 3-5'	I11 B06 0-2'	I11 B06 2-4'	I11B07 (1.5-3.5)	I11B07 (3.5-5.5)	I12 B01 1-3'	
Sample Depth (ft)	3-5	1-3	3-5	0-2	2-4	1.5-3.5	3.5-5.5	1-3	
Sampling Date	09/22/00	09/28/00	09/28/00	10/16/00	10/16/00	10/20/00	10/20/00	09/21/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
Bromomethane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
Vinyl Chloride	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	300
Chloroethane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
Methylene Chloride	5.1 U	3.9 J	2.2 J	5.1 U	5.1 U	2.3 J	2 J	5.3 U	85000
Trichlorofluoromethane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
1,1-Dichloroethene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	1000
1,1-Dichloroethane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	7800000
trans-1,2-Dichloroethene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	1600000
cis-1,2-Dichloroethene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	780000
Chloroform	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	100000
1,2-Dichloroethane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	7000
1,1,1-Trichloroethane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
Carbon Tetrachloride	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	5000
Bromodichloromethane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	10000
1,2-Dichloropropane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	9000
cis-1,3-Dichloropropene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	4000
Trichloroethene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	58000
Dibromochloromethane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
1,1,2-Trichloroethane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	11000
Benzene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	22000
1,1,3-Dichloropropene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	4000
2-Chloroethyl Vinyl Ether	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
Bromoform	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	81000
Tetrachloroethene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	12000
1,1,2,2-Tetrachloroethane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	3000
Toluene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	16000000
Chlorobenzene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	1600000
2-Butanone	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
Ethyl Benzene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	7800000
m/p-Xylenes	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	160000000
o-Xylene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	160000000
Acetone	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	13	5.3 U	7800000
Carbon Disulfide	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	7800000
4-Methyl-2-Pentanone	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
2-Hexanone	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
Styrene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	16000000
1,3-Dichlorobenzene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
1,4-Dichlorobenzene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	27000
1,2-Dichlorobenzene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	7000000
Dichlorodifluoromethane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
Vinyl Acetate	26 U	29 U	25 U	26 U	26 U	26 U	26 U	26 U	78000000
2,2-Dichloropropane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
Bromochloromethane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
1,1-Dichloropropene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
1,3-Dichloropropane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
1,2-Dibromoethane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
Isopropylbenzene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
1,2,3-Trichloropropane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
1,1,1,2-Tetrachloroethane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
Bromobenzene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
n-propylbenzene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
2-Chlorotoluene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
1,3,5-Trimethylbenzene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
4-Chlorotoluene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
tert-Butylbenzene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
1,2,4-Trimethylbenzene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
sec-Butylbenzene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
p-Isopropyltoluene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
Dibromomethane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
n-Butylbenzene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
1,2-Dibromo-3-Chloropropane	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
1,2,4-Trichlorobenzene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	780000
Hexachlorobutadiene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	8000
Naphthalene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	3100000
MTBE	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
1,2,3-Trichlorobenzene	5.1 U	5.9 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.3 U	---
Total Confident Conc. VOAs (6)	ND	4	2	ND	ND	2.3	15	ND	10000

**Qualifiers**

U The compound was not detected at the indicated concentration

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

The concentration given is an approximate value.

**Notes**

— Not established

ND Not Detected

Table C-2  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Aisleline Room									Comparison Value for Areas of Concern
Sample ID	I12 B01 3-6'	I12 B02 1-3'	I12 B02 3-6'	I12 B03 1-3'	I12 B03 3-6'	I12 B04 1-3'	I12 B04 3-6'	I12 B05 1-3'		
Sample Depth (ft)	3-5	1-3	3-5	1-3	3-5	1-3	3-6	1-3		
Sampling Date	09/21/00	09/21/00	09/21/00	09/21/00	09/21/00	09/21/00	09/21/00	09/21/00		
Matrix	S	S	S	S	S	S	S	S		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg
Chloromethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
Bromomethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
Vinyl Chloride	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		300
Chloroethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
Methylene Chloride	5.1 U	5.2 U	5.2 U	7.7	8.6	5.1 U	5.2 U	5.2 U		85000
Trichlorofluoromethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
1,1-Dichloroethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		1000
1,1-Dichloroethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		7800000
trans-1,2-Dichloroethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		1600000
cis-1,2-Dichloroethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		780000
Chloroform	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		100000
1,2-Dichloroethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		7000
1,1,1-Trichloroethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
Carbon Tetrachloride	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		5000
Bromodichloromethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		10000
1,2-Dichloropropane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		9000
cis-1,3-Dichloropropene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		4000
Trichloroethene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		58000
Dibromochloromethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
1,1,2-Trichloroethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		11000
Benzene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		22000
1,1,3-Dichloropropene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		4000
2-Chloroethyl Vinyl Ether	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
Bromoform	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		81000
Tetrachloroethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		12000
1,1,2,2-Tetrachloroethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		3000
Toluene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		16000000
Chlorobenzene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		1600000
2-Butanone	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
Ethyl Benzene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		7800000
m,p-Xylenes	5.1 U	4.5 J	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		160000000
o-Xylene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		160000000
Acetone	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		7800000
Carbon Disulfide	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		7800000
4-Methyl-2-Pentanone	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
2-Hexanone	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
Styrene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		16000000
1,3-Dichlorobenzene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
1,4-Dichlorobenzene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		27000
1,2-Dichlorobenzene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		7000000
Dichlorodifluoromethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
Vinyl Acetate	26 U	26 U	26 U	26 U	26 U	25 U	26 U	26 U		78000000
2,2-Dichloropropane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
Bromochloromethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
1,1-Dichloropropane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
1,3-Dichloropropane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
1,2-Dibromomethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
Isopropylbenzene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
1,2,3-Trichloropropane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
1,1,1,2-Tetrachloroethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
Bromobenzene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
n-propylbenzene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
2-Chlorotoluene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
1,3,5-Trimethylbenzene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
4-Chlorotoluene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
tert-Butylbenzene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
1,2,4-Trimethylbenzene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
sec-Butylbenzene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
p-Isopropyltoluene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
Dibromomethane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
n-Butylbenzene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
1,2-Dibromo-3-Chloropropane	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
1,2,4-Trichlorobenzene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		780000
Hexachlorobutadiene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		8000
Naphthalene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		3100000
MTBE	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
1,2,3-Trichlorobenzene	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U		—
Total Confident Conc. VOAs (s)	ND	5	ND	8	9	ND	ND	ND		10000

**Qualifiers**

U The compound was not detected at the indicated concentration

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantification limit but greater than zero.  
The concentration given is an approximate value.

**Notes**

— Not established

ND: Not Detected

SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Alodine Room	Former Downspout Dry Wells				Former Heat Treat Room			Comparison Value for Areas of Concern
Sample ID	I12 B05 3-5	I13 B01 2-4	I13 B01 8-9	I13B02(2-4)	I13B02 (6-7)	I16 B02 1-3	I16B02 (3.5-5.5)	I16B02 (5.5-7.5)	
Sample Depth (ft)	3-5	2-4	8-9	2-4	6-7	1-3	3.5-5.5	5.5-7.5	
Sampling Date	09/21/00	10/17/00	10/17/00	10/20/00	10/20/00	09/21/00	10/19/00	10/19/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
Bromomethane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
Vinyl Chloride	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	300
Chloroethane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
Methylene Chloride	8.1	22 JB	34 JB	52 U	49 J	52 U	53 U	4 J	85000
Trichlorofluoromethane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
1,1-Dichloroethane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	1000
1,1-Dichloroethane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	7800000
trans-1,2-Dichloroethane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	1600000
cis-1,2-Dichloroethane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	780000
Chloroform	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	100000
1,2-Dichloroethane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	7000
1,1,1-Trichloroethane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
Carbon Tetrachloride	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	5000
Bromodichloromethane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	10000
1,2-Dichloropropane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	9000
cis-1,3-Dichloropropene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	4000
Trichloroethene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	58000
Dibromochloromethane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
1,1,2-Trichloroethane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	11000
Benzene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	22000
1,1,3-Dichloropropene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	4000
2-Chloroethyl Vinyl Ether	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
Bromoform	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	81000
Tetrachloroethene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	12000
1,1,2,2-Tetrachloroethane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	3000
Toluene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	16000000
Chlorobenzene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	16000000
2-Butanone	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
Ethyl Benzene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	7800000
m/p-Xylenes	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	160000000
o-Xylene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	160000000
Acetone	52 U	55 U	51 U	52 U	52 U	52 U	12	52 U	7800000
Carbon Disulfide	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	7800000
4-Methyl-2-Pentanone	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
2-Hexanone	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
Styrene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
1,3-Dichlorobenzene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	16000000
1,4-Dichlorobenzene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
1,2-Dichlorobenzene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	27000
Dichlorodifluoromethane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	7000000
Vinyl Acetate	26 U	28 U	26 U	26 U	26 U	26 U	26 U	26 U	78000000
2,2-Dichloropropane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
Bromochloromethane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
1,1-Dichloropropane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
1,3-Dichloropropane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
1,2-Dibromoethane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
Isopropylbenzene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
1,2,3-Trichloropropane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
1,1,1,2-Tetrachloroethane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
Bromobenzene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
n-propylbenzene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
2-Chlorotoluene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
1,3,5-Trimethylbenzene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
4-Chlorotoluene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
tert-Butylbenzene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
1,2,4-Trimethylbenzene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
sec-Butylbenzene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
p-Isopropyltoluene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
Dibromomethane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
n-Butylbenzene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
1,2-Dibromo-3-Chloropropane	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
1,2,4-Trichlorobenzene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	780000
Hexachlorobutadiene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	8000
Naphthalene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	3100000
MTBE	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
1,2,3-Trichlorobenzene	52 U	55 U	51 U	52 U	52 U	52 U	53 U	52 U	—
Total Confident Conc VOA's (s)	8	2	3	94	49	ND	12	4	10000

**Qualifiers**

U The compound was not detected at the indicated concentration  
J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero  
The concentration given is an approximate value.  
B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample

**Notes**

— Not established  
ND Not Detected

Table C-2  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Paint Mixing Room				Material Stock Room		Five Former Machine Pits	Comparison Value
Sample ID	I17 B01 1-3'	I17 B01 3-5'	I17 B02 1-3'	I17 B02 3-5'	I19 B01 1-3'	I19 B01 3-5'	I21 B01 2-4'	for Areas of Concern
Sample Depth (ft)	1-3	3-5	1-3	3-5	1-3	3-5	2-4	
Sampling Date	09/28/00	09/28/00	09/28/00	09/28/00	09/28/00	09/28/00	10/04/00	
Matrix	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
Bromomethane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
Vinyl Chloride	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	300
Chloroethane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
Methylene Chloride	7.3	6.5	7	6.5	3.3 J	1.9 J	5.1 U	85000
Trichlorofluoromethane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
1,1-Dichloroethane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	1000
1,1-Dichloroethane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	7800000
trans-1,2-Dichloroethane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	16000000
cis-1,2-Dichloroethane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	780000
Chloroform	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	100000
1,2-Dichloroethane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	7000
1,1,1-Trichloroethane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
Carbon Tetrachloride	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	5000
Bromodichloromethane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	10000
1,2-Dichloropropane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	9000
cis-1,3-Dichloropropane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	4000
Trichloroethene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	58000
Dibromochloromethane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
1,1,2-Trichloroethane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	11000
Benzene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	22000
1-1,3-Dichloropropene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	4000
2-Chloroethyl Vinyl Ether	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
Bromoform	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	61000
Tetrachloroethene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	12000
1,1,2,2-Tetrachloroethane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	3000
Toluene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	16000000
Chlorobenzene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	1600000
2-Butanone	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
Ethyl Benzene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	7800000
m,p-Xylenes	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	160000000
o-Xylene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	160000000
Acetone	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	7800000
Carbon Disulfide	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	7800000
4-Methyl-2-Pentanone	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
2-Hexanone	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
Styrene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	16000000
1,3-Dichlorobenzene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
1,4-Dichlorobenzene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	27000
1,2-Dichlorobenzene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	7000000
Dichlorodifluoromethane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
Vinyl Acetate	32 U	26 U	27 U	26 U	26 U	27 U	26 U	78000000
2,2-Dichloropropane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
Bromochloromethane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
1,1-Dichloropropane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
1,3-Dichloropropane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
1,2-Dibromoethane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
Isopropylbenzene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
1,2,3-Trichloropropane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
1,1,1,2-Tetrachloroethane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
Bromobenzene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
n-Propylbenzene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
2-Chlorotoluene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
1,3,5-Trimethylbenzene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
4-Chlorotoluene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
tert-Butylbenzene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
1,2,4-Trimethylbenzene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
sec-Butylbenzene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
p-Isopropyltoluene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
Dibromomethane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
n-Butylbenzene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
1,2-Dibromo-3-Chloropropane	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
1,2,4-Trichlorobenzene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	780000
Hexachlorobutadiene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	8000
Naphthalene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	4.7 J	5.1 U	3100000
MTBE	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
1,2,3-Trichlorobenzene	5.4 U	5.1 U	5.4 U	5.1 U	5.2 U	5.3 U	5.1 U	---
Total Confident Conc. VOAs (s)	7	7	7	7	3	7	ND	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantification limit but greater than zero.

The concentration given is an approximate value.

**Notes**

--- Not established

ND: Not Detected



C-2  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Five Former Machine Pits								Comparison Value
Sample ID	I21 B01 4-6	I21 B02 1-3	I21 B02 3-5	I21 B03 5-7	I21 B03 7-9	I21 B04 1-3	I21 B04 3-5	I21 B05 1-3	for Areas
Sample Depth (ft)	4-6	1-3	3-5	5-7	7-9	1-3	3-5	1-3	of Concern
Sampling Date	10/04/00	10/03/00	10/03/00	10/04/00	10/04/00	10/04/00	10/04/00	10/03/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
Bromomethane	5.7 U	5.2 U	5.2 U	5.2 U	5.2 U	5.9 U	5.3 U	6.1 U	—
Vinyl Chloride	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	300
Chloroethane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
Methylene Chloride	5.7 U	7.1 B	6.4 B	5.6 U	5.2 U	5.9 U	5.3 U	3.4 J	85000
Trichlorofluoromethane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
1,1-Dichloroethene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	1000
1,1-Dichloroethane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	7800000
trans-1,2-Dichloroethene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	1600000
cis-1,2-Dichloroethene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	780000
Chloroform	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	100000
1,2-Dichloroethane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	7000
1,1,1-Trichloroethane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
Carbon Tetrachloride	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	5000
Bromodichloromethane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	10000
1,2-Dichloropropane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	9000
cis-1,3-Dichloropropene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	4000
Trichloroethene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	58000
Dibromochloromethane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
1,1,2-Trichloroethane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	11000
Benzene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	22000
t-1,3-Dichloropropene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	4000
2-Chloroethyl Vinyl Ether	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
Bromoform	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	81000
Tetrachloroethene	5.7 U	5.2 U	2.5 J	3.3 J	5.2 U	5.9 U	5.3 U	1.8 J	12000
1,1,2,2-Tetrachloroethane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	3000
Toluene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	16000000
Chlorobenzene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	1600000
2-Butanone	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
Ethyl Benzene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	7800000
m/p-Xylenes	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	160000000
o-Xylene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	160000000
Acetone	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	21	7800000
Carbon Disulfide	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	7800000
4-Methyl-2-Pentanone	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
2-Hexanone	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
Styrene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	16000000
1,3-Dichlorobenzene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
1,4-Dichlorobenzene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	27000
1,2-Dichlorobenzene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	7000000
Dichlorodifluoromethane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
Vinyl Acetate	28 U	26 U	26 U	28 U	26 U	29 U	26 U	30 U	78000000
2,2-Dichloropropane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
Bromochloromethane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
1,1-Dichloropropene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
1,3-Dichloropropane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
1,2-Dibromoethane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
Isopropylbenzene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
1,2,3-Trichloropropane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
1,1,1,2-Tetrachloroethane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
Bromobenzene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
n-propylbenzene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
2-Chlorotoluene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
1,3,5-Trimethylbenzene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
4-Chlorotoluene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
tert-Butylbenzene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
1,2,4-Trimethylbenzene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
sec-Butylbenzene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
p-Isopropyltoluene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
Dibromomethane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
n-Butylbenzene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
1,2-Dibromo-3-Chloropropane	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
1,2,4-Trichlorobenzene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	780000
Hexachlorobutadiene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	8000
Naphthalene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	3100000
MTBE	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
1,2,3-Trichlorobenzene	5.7 U	5.2 U	5.2 U	5.6 U	5.2 U	5.9 U	5.3 U	6.1 U	—
Total Confident Conc. VOAs (s)	ND	7	9	3	ND	ND	ND	26	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.  
B. The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes**

— Not established  
ND Not Detected

Table C-2  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Five Former Machine Pits	Pump Station B			Hallway Adjacent to Former Alodine Room				Air Handling Unit Room	Comparison Value for Areas of Concern
Sample ID	I21 B05 3-5'	I23 B01 0-2'	I23 B01 2-4'	I26 B01 1-3'	I26 B01 3-5'	I26 B02 1.5-3.5'	I26 B02 3.5-5.5'	I28 B01 2-4'		
Sample Depth (ft)	3-5	0-2	2-4	1-3	3-5	1.5-3.5	3.5-5.5	2-4		
Sampling Date	10/03/00	10/18/00	10/18/00	09/22/00	09/22/00	09/22/00	09/22/00	09/28/00		
Matrix	S	S	S	S	S	S	S	S		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg
Chloromethane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
Bromomethane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
Vinyl Chloride	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	300	
Chloroethane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
Methylene Chloride	2.9 J	3.3 J	5.2	3.4 J	2.2 J	5.3 U	2.7 J	4.3 J	85000	
Trichlorofluoromethane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
1,1-Dichloroethane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	1000	
1,1-Dichloroethane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	7800000	
trans-1,2-Dichloroethane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	1600000	
cis-1,2-Dichloroethane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	780000	
Chloroform	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	100000	
1,2-Dichloroethane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	7000	
1,1,1-Trichloroethane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
Carbon Tetrachloride	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	5000	
Bromodichloromethane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	10000	
1,2-Dichloropropane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	9000	
cis-1,3-Dichloropropene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	4000	
Trichloroethene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	58000	
Dibromochloromethane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
1,1,2-Trichloroethane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	11000	
Benzene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	22000	
1,3-Dichloropropene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	4000	
2-Chloroethyl Vinyl Ether	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
Bromoform	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	81000	
Tetrachloroethene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	12000	
1,1,2,2-Tetrachloroethane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	3000	
Toluene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	16000000	
Chlorobenzene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	16000000	
2-Butanone	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
Ethyl Benzene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	7800000	
m/p-Xylenes	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	160000000	
o-Xylene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	160000000	
Acetone	27	7.4	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	7800000	
Carbon Disulfide	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	7800000	
4-Methyl-2-Pentanone	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
2-Hexanone	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
Styrene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	16000000	
1,3-Dichlorobenzene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
1,4-Dichlorobenzene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	27000	
1,2-Dichlorobenzene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	7000000	
Dichlorodifluoromethane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
Vinyl Acetate	27	25	26 U	30 U	26 U	26 U	26 U	29 U	78000000	
2,2-Dichloropropane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
Bromochloromethane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
1,1-Dichloropropane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
1,3-Dichloropropane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
1,2-Dibromomethane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
Isopropylbenzene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
1,2,3-Trichloropropane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
1,1,1,2-Tetrachloroethane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
Bromobenzene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
n-propylbenzene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
2-Chlorotoluene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
1,3,5-Trimethylbenzene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
4-Chlorotoluene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
tert-Butylbenzene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
1,2,4-Trimethylbenzene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
sec-Butylbenzene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
p-Isopropyltoluene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
Dibromomethane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
n-Butylbenzene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
1,2-Dibromo-3-Chloropropane	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
1,2,4-Trichlorobenzene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	780000	
Hexachlorobutadiene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	8000	
Naphthalene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	3100000	
MTBE	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
1,2,3-Trichlorobenzene	5.4 U	5.1 U	5.1 U	5.9 U	5.2 U	5.3 U	5.2 U	5.7 U	—	
Total Confident Conc. VOAs (s)	30	11	5	3	2	ND	3	4	10000	

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

**Notes**

— Not established

ND Not Detected

C-2  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Air Handling Unit Room	Former Storage Building							Comparison Value for Areas of Concern
Sample ID	I28 B01 4-6	I30 B01 1-3	I30 B01 3-5	I30 B02 1-3	I30 B02 3-5	I30 B03 1-3	I30 B03 3-5	I30 B04 1-3	
Sample Depth (ft)	4-6	1-3	3-5	1-3	3-5	1-3	3-5	1-3	
Sampling Date	09/28/00	09/19/00	09/19/00	09/19/00	09/19/00	09/18/00	09/18/00	09/19/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
Bromomethane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
Vinyl Chloride	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	300
Chloroethane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
Methylene Chloride	6.1	4 J	3.4 J	3.7 J	3 J	5.8	4.2 J	3.7 J	85000
Trichlorofluoromethane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
1,1-Dichloroethane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	1000
1,1-Dichloroethane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	7800000
trans-1,2-Dichloroethane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	1600000
cis-1,2-Dichloroethane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	780000
Chloroform	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	100000
1,2-Dichloroethane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	7000
1,1,1-Trichloroethane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
Carbon Tetrachloride	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	5000
Bromodichloromethane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	10000
1,2-Dichloropropane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	9000
cis-1,3-Dichloropropane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	4000
Trichloroethene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	58000
Dibromochloromethane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
1,1,2-Trichloroethane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	11000
Benzene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	22000
1,1,3-Dichloropropane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	4000
2-Chloroethyl Vinyl Ether	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
Bromoform	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	81000
Tetrachloroethene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	12000
1,1,2,2-Tetrachloroethane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	3000
Toluene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	16000000
Chlorobenzene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	1600000
2-Butanone	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
Ethyl Benzene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	7800000
m/p-Xylenes	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	160000000
o-Xylene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	160000000
Acetone	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	7800000
Carbon Disulfide	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	7800000
4-Methyl-2-Pentanone	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
2-Hexanone	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
Styrene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	16000000
1,3-Dichlorobenzene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
1,4-Dichlorobenzene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	27000
1,2-Dichlorobenzene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	7000000
Dichlorodifluoromethane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
Vinyl Acetate	26 U	30 U	28 U	27 U	26 U	26 U	26 U	27 U	78000000
2,2-Dichloropropane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
Bromochloromethane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
1,1-Dichloropropane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
1,3-Dichloropropane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
1,2-Dibromoethane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
Isopropylbenzene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
1,2,3-Trichloropropane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
1,1,1,2-Tetrachloroethane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
Bromobenzene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
n-propylbenzene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
2-Chlorotoluene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
1,3,5-Trimethylbenzene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
4-Chlorotoluene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
tert-Butylbenzene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
1,2,4-Trimethylbenzene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
sec-Butylbenzene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
p-Isopropyltoluene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
Dibromomethane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
n-Butylbenzene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
1,2-Dibromo-3-Chloropropane	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
1,2,4-Trichlorobenzene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	780000
Hexachlorobutadiene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	8000
Naphthalene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	3100000
MTBE	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
1,2,3-Trichlorobenzene	5.1 U	6.1 U	5.6 U	5.5 U	5.3 U	5.3 U	5.2 U	5.3 U	---
Total Confident Conc. VOAs (s)	6	4	3	4	3	6	4	4	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

The concentration given is an approximate value.

**Notes**

--- Not established

ND Not Detected

Table C-2  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Storage Building							Refrigeration/AC Room	Comparison Value for Areas of Concern
Sample ID	130 B04 3-5	130 B05 6-8	130 B05 8-10	130 B06 1-3	130 B06 3-5	130 B07 0-2	130 B07 2-4	131 B01 1-3	
Sample Depth (ft)	3-5	6-8	8-10	1-3	3-5	0-2	2-4	1-3	
Sampling Date	09/19/00	10/03/00	10/03/00	09/18/00	09/18/00	10/17/00	10/17/00	09/18/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
Bromomethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
Vinyl Chloride	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	300
Chloroethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
Methylene Chloride	3.1 J	5.5 B	6.1 B	3.9 J	3.9 J	3.8 JB	3.9 JB	3.5 J	85000
Trichlorofluoromethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
1,1-Dichloroethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	1000
1,1-Dichloroethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	7800000
trans-1,2-Dichloroethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	1800000
cis-1,2-Dichloroethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	780000
Chloroform	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	100000
1,2-Dichloroethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	7000
1,1,1-Trichloroethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
Carbon Tetrachloride	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	5000
Bromodichloromethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	10000
1,2-Dichloropropane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	9000
cis-1,3-Dichloropropene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	4000
Trichloroethene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	58000
Dibromochloromethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
1,1,2-Trichloroethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	11000
Benzene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	22000
1,1,3-Dichloropropene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	4000
2-Chloroethyl Vinyl Ether	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
Bromofom	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	81000
Tetrachloroethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	12000
1,1,2,2-Tetrachloroethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	3000
Toluene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	18000000
Chlorobenzene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	1800000
2-Butanone	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
Ethyl Benzene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	7800000
m/p-Xylenes	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	180000000
o-Xylene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	180000000
Acetone	5.2 U	10	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	7800000
Carbon Disulfide	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	7800000
4-Methyl-2-Pentanone	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
2-Hexanone	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
Styrene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	18000000
1,3-Dichlorobenzene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
1,4-Dichlorobenzene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	27000
1,2-Dichlorobenzene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	7000000
Dichlorodifluoromethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
Vinyl Acetate	26 U	26 U	26 U	30 U	29 U	27 U	26 U	25 U	78000000
2,2-Dichloropropane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
Bromochloromethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
1,1-Dichloropropane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
1,3-Dichloropropane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
1,2-Dibromoethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
Isopropylbenzene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
1,2,3-Trichloropropane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
1,1,1,2-Tetrachloroethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
Bromobenzene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
n-propylbenzene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
2-Chlorotoluene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
1,3,5-Trimethylbenzene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
4-Chlorotoluene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
tert-Butylbenzene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
1,2,4-Trimethylbenzene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
sec-Butylbenzene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
p-Isopropyltoluene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
Dibromomethane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
n-Butylbenzene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
1,2-Dibromo-3-Chloropropane	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
1,2,4-Trichlorobenzene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	780000
Hexachlorobutadiene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	8000
Naphthalene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	3100000
MTBE	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
1,2,3-Trichlorobenzene	5.2 U	5.1 U	5.2 U	6.1 U	5.9 U	5.4 U	5.2 U	5.1 U	—
Total Confident Conc. VOAs (s)	3	16	6	4	4	4	3	4	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicate the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

The concentration given is an approximate value.

B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes**

— Not established

C-2  
SUMMARY ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Refrigeration/Air Conditioning Room			Hangar 1					Comparison Value for Areas of Concern
Sample ID	I31 B01 3-5	I31 B02 2-4	I31 B02 4-6	I32 B01 1-3	I32 B01 3-5	I32 B02 1-3	I32 B02 3-5	I32 B03 1-3	
Sample Depth (ft)	3-5	2-4	4-6	1-3	3-5	1-3	3-5	1-3	
Sampling Date	09/18/00	09/18/00	09/18/00	09/19/00	09/19/00	09/19/00	09/19/00	09/20/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
Bromomethane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
Vinyl Chloride	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	300
Chloroethane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
Methylene Chloride	3.4 J	3.5 J	3.7 J	6.3	5.5 J	8.9	4.6 J	5.6 U	85000
Trichlorofluoromethane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
1,1-Dichloroethane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	1000
1,1-Dichloroethane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	7800000
trans-1,2-Dichloroethane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	1600000
cis-1,2-Dichloroethane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	780000
Chloroform	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	100000
1,2-Dichloroethane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	7000
1,1,1-Trichloroethane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
Carbon Tetrachloride	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	5000
Bromodichloromethane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	10000
1,2-Dichloropropane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	9000
cis-1,3-Dichloropropene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	4000
Trichloroethene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	58000
Dibromochloromethane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
1,1,2-Trichloroethane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	11000
Benzene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	22000
t-1,3-Dichloropropene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	4000
2-Chloroethyl Vinyl Ether	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
Bromoform	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	81000
Tetrachloroethene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	12000
1,1,2,2-Tetrachloroethane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	3000
Toluene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	16000000
Chlorobenzene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	1600000
2-Butanone	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
Ethyl Benzene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	7800000
m/p-Xylenes	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	160000000
o-Xylene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	160000000
Acetone	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	7800000
Carbon Disulfide	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	7800000
4-Methyl-2-Pentanone	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
2-Hexanone	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
Styrene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	16000000
1,3-Dichlorobenzene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
1,4-Dichlorobenzene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	27000
1,2-Dichlorobenzene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	7000000
Dichlorodifluoromethane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
Vinyl Acetate	2.7 U	2.7 U	2.8 U	30 U	2.8 U	2.7 U	2.8 U	2.8 U	78000000
2,2-Dichloropropane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
Bromochloromethane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
1,1-Dichloropropene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
1,3-Dichloropropane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
1,2-Dibromoethane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
Isopropylbenzene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
1,2,3-Trichloropropane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
1,1,1,2-Tetrachloroethane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
Bromobenzene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
n-propylbenzene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
2-Chlorotoluene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
1,3,5-Trimethylbenzene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
4-Chlorotoluene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
tert-Butylbenzene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
1,2,4-Trimethylbenzene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
sec-Butylbenzene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
o-Isopropyltoluene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
Dibromomethane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
n-Butylbenzene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
1,2-Dibromo-3-Chloropropane	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
1,2,4-Trichlorobenzene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	780000
Hexachlorobutadiene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	8000
Naphthalene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	3100000
MTBE	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
1,2,3-Trichlorobenzene	5.4 U	5.4 U	5.7 U	6 U	5.6 U	5.5 U	5.6 U	5.6 U	—
Total Confident Conc. VOAs (s)	3	4	4	6	5	9	5	ND	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.  
J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.  
The concentration given is an approximate value.

**Notes**

— Not established  
ND Not Detected

Table C-2  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Hangar 1			Storage Area in Office Area East of Hangar 2		Old Ejection Pits			Comparison Value for Areas of Concern
Sample ID	132 B03 3-5	132 B04 1-3	132 B04 3-5	133 B01 1-3	133 B01 3-5	134 B01 4-6	134 B01 6-8	134 B02 2-4	
Sample Depth (ft)	3-5	1-3	3-5	1-3	3-5	4-6	6-8	2-4	
Sampling Date	09/20/00	09/20/00	09/20/00	09/28/00	09/28/00	09/29/00	09/29/00	09/29/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
Bromomethane	5.4 U	5.9 U	5.4 U	5.4 U	5.3 U	5.4 U	5.2 U	6 U	—
Vinyl Chloride	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	300
Chloroethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
Methylene Chloride	3.5 J	7	5.6	1.4 J	1.5 J	5.3 J	3.1 J	4.1 J	85000
Trichlorofluoromethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
1,1-Dichloroethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	1000
1,1-Dichloroethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	7800000
trans-1,2-Dichloroethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	1600000
cis-1,2-Dichloroethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	780000
Chloroform	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	100000
1,2-Dichloroethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
1,1,1-Trichloroethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	7000
Carbon Tetrachloride	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	5000
Bromodichloromethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	10000
1,2-Dichloropropane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	9000
cis-1,3-Dichloropropene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	4000
Trichloroethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	58000
Dibromochloromethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
1,1,2-Trichloroethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	11000
Benzene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	22000
1,3-Dichloropropene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	4000
2-Chloroethyl Vinyl Ether	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
Bromotoluene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	81000
Tetrachloroethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	12000
1,1,2,2-Tetrachloroethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	3000
Toluene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	16000000
Chlorobenzene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	1600000
2-Butanone	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
Ethyl Benzene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	7800000
m/p-Xylenes	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	160000000
o-Xylene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	160000000
Acetone	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	4.5	6 U	7800000
Carbon Disulfide	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	7800000
4-Methyl-2-Pentanone	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
2-Hexanone	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
Styrene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	16000000
1,3-Dichlorobenzene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
1,4-Dichlorobenzene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	27000
1,2-Dichlorobenzene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	7000000
Dichlorodifluoromethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
Vinyl Acetate	27 U	29 U	27 U	26 U	26 U	27 U	26 U	30 U	78000000
2,2-Dichloropropane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
Bromochloromethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
1,1-Dichloropropane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
1,3-Dichloropropane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
1,2-Dibromoethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
Isopropylbenzene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
1,2,3-Trichloropropane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
1,1,1,2-Tetrachloroethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
Bromobenzene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
n-propylbenzene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
2-Chlorotoluene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
1,3,5-Trimethylbenzene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
4-Chlorotoluene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
tert-Butylbenzene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
1,2,4-Trimethylbenzene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
sec-Butylbenzene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
p-Isopropyltoluene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
Dibromomethane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
n-Butylbenzene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
1,2-Dibromo-3-Chloropropane	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
1,2,4-Trichlorobenzene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	780000
Hexachlorobutadiene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	8000
Naphthalene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	3100000
MTBE	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
1,2,3-Trichlorobenzene	5.4 U	5.9 U	5.4 U	5.3 U	5.3 U	5.4 U	5.2 U	6 U	—
Total Confident Conc. VOAs (s)	4	7	6	1	2	5	46	4	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicate the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.  
The concentration given is an approximate value.

**Notes**

— Not established

C-2  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Old Ejection Pits	Former Router Room				Machine Shop (formerly referred to as Former Upholstery Room)			Comparison Value
Sample ID	134 B02 4-6	136 B01 1-3'	136 B01 3-5'	136 B02 1-3'	136 B02 3-5'	137 B01 1-3'	137 B01 3-5'	137 B02 1-3'	for Areas of Concern
Sample Depth (ft)	4-6	1-3	3-5	1-3	3-5	1-3	3-5	1-3	
Sampling Date	09/29/00	09/22/00	09/22/00	09/22/00	09/22/00	09/27/00	09/27/00	09/27/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
Bromomethane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
Vinyl Chloride	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	300
Chloroethane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
Methylene Chloride	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	85000
Trichlorofluoromethane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
1,1-Dichloroethene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	1000
1,1-Dichloroethane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	7800000
trans-1,2-Dichloroethene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	1600000
cis-1,2-Dichloroethene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	780000
Chloroform	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	100000
1,2-Dichloroethane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	7000
1,1,1-Trichloroethane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
Carbon Tetrachloride	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	5000
Bromodichloromethane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	10000
1,2-Dichloropropane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	9000
cis-1,3-Dichloropropene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	4000
Trichloroethene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	58000
Dibromochloromethane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
1,1,2-Trichloroethane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	11000
Benzene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	22000
t-1,3-Dichloropropene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	4000
2-Chloroethyl Vinyl Ether	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
Bromoform	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	81000
Tetrachloroethene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	12000
1,1,2,2-Tetrachloroethane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	3000
Toluene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	16000000
Chlorobenzene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	16000000
2-Butanone	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
Ethyl Benzene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	7800000
m/p-Xylenes	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	160000000
o-Xylene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	160000000
Acetone	43	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	7800000
Carbon Disulfide	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	7800000
4-Methyl-2-Pentanone	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
2-Hexanone	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
Styrene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	16000000
1,3-Dichlorobenzene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
1,4-Dichlorobenzene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	27000
1,2-Dichlorobenzene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	7000000
Dichlorodifluoromethane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
Vinyl Acetate	26 U	26 U	28 U	28 U	28 U	27 U	27 U	27 U	78000000
2,2-Dichloropropane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
Bromochloromethane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
1,1-Dichloropropene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
1,3-Dichloropropane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
1,2-Dibromoethane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
Isopropylbenzene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
1,2,3-Trichloropropane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
1,1,1,2-Tetrachloroethane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
Bromobenzene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
n-propylbenzene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
2-Chlorotoluene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
1,3,5-Trimethylbenzene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
4-Chlorotoluene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
tert-Butylbenzene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
1,2,4-Trimethylbenzene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
sec-Butylbenzene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
p-Isopropyltoluene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
Dibromomethane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
n-Butylbenzene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
1,2-Dibromo-3-Chloropropane	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
1,2,4-Trichlorobenzene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	780000
Hexachlorobutadiene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	8000
Naphthalene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	3100000
MTBE	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
1,2,3-Trichlorobenzene	5.1 U	5.3 U	5.5 U	5.5 U	5.6 U	5.2 U	5.6 U	5.3 U	---
Total Confident Conc. VOAs (s)	43	ND	ND	ND	ND	ND	ND	ND	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

**Notes**

--- Not established  
ND Not Detected

Table C-2  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Machine Shop (formerly referred to as Former Upholstery Room)	Boiler Room					Former Facility Maintenance Facility			Comparison Value for Areas of Concern
Sample ID	137 B02 3-5	138 B01 1-3	138 B01 3-5	138 B02 1-3	138 B02 3-5	138 B01 1-3	138 B01 3-5	138 B02 1-3		
Sample Depth (ft)	3-5	1-3	3-5	1-3	3-5	1-3	3-5	1-3		
Sampling Date	09/27/00	09/28/00	09/28/00	09/28/00	09/28/00	09/19/00	09/19/00	09/19/00		
Matrix	S	S	S	S	S	S	S	S		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg
Chloromethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
Bromomethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
Vinyl Chloride	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		300
Chloroethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
Methylene Chloride	5.4 U	9.2	9.4	4.4 J	6.9	4.3 J	5.1	4.3 J		85000
Trichlorofluoromethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
1,1-Dichloroethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		1000
1,1-Dichloroethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		7800000
trans-1,2-Dichloroethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		1600000
cis-1,2-Dichloroethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		7800000
Chloroform	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		100000
1,2-Dichloroethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		7000
1,1,1-Trichloroethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
Carbon Tetrachloride	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		5000
Bromodichloromethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		10000
1,2-Dichloropropane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		9000
cis-1,3-Dichloropropane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		4000
Trichloroethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		58000
Dibromochloromethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
1,1,2-Trichloroethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		11000
Benzene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		22000
1,1,3-Dichloropropane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		4000
2-Chloroethyl Vinyl Ether	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
Bromoforn	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		81000
Tetrachloroethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		12000
1,1,2,2-Tetrachloroethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		3000
Toluene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		16000000
Chlorobenzene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		16000000
2-Butanone	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
Ethyl Benzene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		7800000
m/p-Xylenes	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		160000000
o-Xylene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		160000000
Acetone	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		7800000
Carbon Disulfide	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		7800000
4-Methyl-2-Pentanone	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
2-Hexanone	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
Styrene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		16000000
1,3-Dichlorobenzene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
1,4-Dichlorobenzene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		27000
1,2-Dichlorobenzene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		7000000
Dichlorodifluoromethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
Vinyl Acetate	27 U	27 U	26 U	27 U	27 U	27 U	27 U	27 U		78000000
2,2-Dichloropropane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
Bromochloromethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
1,1-Dichloropropane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
1,3-Dichloropropane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
1,2-Dibromomethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
Isopropylbenzene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
1,2,3-Trichloropropane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
1,1,1,2-Tetrachloroethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
Bromobenzene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
n-propylbenzene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
2-Chlorotoluene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
1,3,5-Trimethylbenzene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
4-Chlorotoluene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
tert-Butylbenzene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
1,2,4-Trimethylbenzene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
sec-Butylbenzene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
p-Isopropyltoluene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
Dibromomethane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
n-Butylbenzene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
1,2-Dibromo-3-Chloropropane	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
1,2,4-Trichlorobenzene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		780000
Hexachlorobutadiene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		8000
Naphthalene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		3100000
MTBE	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
1,2,3-Trichlorobenzene	5.4 U	5.5 U	5.1 U	5.3 U	5.6 U	5.3 U	5.1 U	5.3 U		—
Total Confident Conc. VOAs (g)	ND	9	9	4	7	4	5	4		10000

#### Qualifiers

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation level but greater than zero.

The concentration given is an approximate value.

#### Notes

— Not established

ND Not Detected



C-2  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Facility Maintenance Area	Hangar 2							Comparison Value for Areas of Concern
Sample ID	I39 B02 3-5	I40 B01 2-4	I40 B01 4-6	I40 B03 1-3	I40 B03 3-5	I40 B04 1-3	I40 B04 3-5	I40 B05 1-3	
Sample Depth (ft)	3-5	2-4	4-6	1-3	3-5	1-3	3-5	1-3	
Sampling Date	09/19/00	10/04/00	10/04/00	09/20/00	09/20/00	09/20/00	09/20/00	09/20/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Bromomethane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Vinyl Chloride	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	300
Chloroethane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Methylene Chloride	3.9 J	15	5.1 U	5.6	6.3	4.4 J	3.8 J	3.4 J	85000
Trichlorofluoromethane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,1-Dichloroethene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	1000
1,1-Dichloroethane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	7800000
trans-1,2-Dichloroethene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	16000000
cis-1,2-Dichloroethene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	780000
Chloroform	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	100000
1,2-Dichloroethane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	7000
1,1,1-Trichloroethane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Carbon Tetrachloride	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	5000
Bromodichloromethane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	10000
1,2-Dichloropropane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	9000
cis-1,3-Dichloropropene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	4000
Trichloroethene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	58000
Dibromochloromethane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,1,2-Trichloroethane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	11000
Benzene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	22000
t-1,3-Dichloropropene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	4000
2-Chloroethyl Vinyl Ether	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Bromoform	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	81000
Tetrachloroethene	5.2 U	63	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	12000
1,1,2,2-Tetrachloroethane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	3000
Toluene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	16000000
Chlorobenzene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	1600000
2-Butanone	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Ethyl Benzene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	7800000
m/p-Xylenes	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	160000000
o-Xylene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	160000000
Acetone	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	7800000
Carbon Disulfide	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
4-Methyl-2-Pentanone	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
2-Hexanone	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Styrene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	16000000
1,3-Dichlorobenzene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,4-Dichlorobenzene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	27000
1,2-Dichlorobenzene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	7000000
Dichlorodifluoromethane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Vinyl Acetate	26 U	27 U	26 U	26 U	26 U	26 U	25 U	26 U	78000000
2,2-Dichloropropane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Bromochloromethane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,1-Dichloropropene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,3-Dichloropropane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,2-Dibromoethane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Isopropylbenzene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,2,3-Trichloropropane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,1,1,2-Tetrachloroethane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Bromobenzene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
n-propylbenzene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
2-Chlorotoluene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,3,5-Trimethylbenzene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
4-Chlorotoluene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
tert-Butylbenzene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,2,4-Trimethylbenzene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
sec-Butylbenzene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
p-Isopropyltoluene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Dibromomethane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
n-Butylbenzene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,2-Dibromo-3-Chloropropane	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,2,4-Trichlorobenzene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	780000
Hexachlorobutadiene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	8000
Naphthalene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	3100000
MTBE	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,2,3-Trichlorobenzene	5.2 U	5.4 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Total Confident Conc. VOAs (s)	4	78	ND	6	6	4	4	3	10000

**Qualifiers**

U The compound was not detected at the indicated concentration  
J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.  
The concentration given is an approximate value.

**Notes**

— Not established  
ND Not Detected

Table C-2  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Hangar 2			Random Locations of Historic Manufacturing Operations					Comparison Value for Areas of Concern
Sample ID	I40 B05 3-5	I40 B06 1-3	I40 B06 3-5	I41 B01 0-2	I41 B01 2-4	I41 B02 1-3	I41 B02 3-5	I41 B03 1-3	
Sample Depth (ft)	3-5	1-3	3-5	0-2	2-4	1-3	3-5	1-3	
Sampling Date	09/20/00	09/20/00	09/20/00	10/16/00	10/16/00	10/13/00	10/13/00	10/13/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
Bromomethane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
Vinyl Chloride	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	300
Chloroethane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
Methylene Chloride	3.6 J	5 J	3.6 J	5.3 U	5.3 U	11	11	14	85000
Trichlorofluoromethane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
1,1-Dichloroethene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	1000
1,1-Dichloroethane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	7800000
trans-1,2-Dichloroethene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	1600000
cis-1,2-Dichloroethene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	780000
Chloroform	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	100000
1,2-Dichloroethane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	7000
1,1,1-Trichloroethane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
Carbon Tetrachloride	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	5000
Bromodichloromethane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	10000
1,2-Dichloropropane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	9000
cis-1,3-Dichloropropane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	4000
Trichloroethene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	58000
Dibromochloromethane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
1,1,2-Trichloroethane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	11000
Benzene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	22000
1,1,3-Dichloropropane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	4000
2-Chloroethyl Vinyl Ether	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
Bromofom	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	81000
Tetrachloroethene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	12000
1,1,2,2-Tetrachloroethane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	3000
Toluene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	16000000
Chlorobenzene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	1600000
2-Butanone	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
Ethyl Benzene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	7800000
m/p-Xylenes	5.2 U	5.5 U	5.1 U	5.3 U	11 J	22 J	5.1 U	16 J	160000000
o-Xylene	5.2 U	5.5 U	5.1 U	5.3 U	5.1 U	5.7 U	5.1 U	5.1 U	160000000
Acetone	5.2 U	5.5 U	5.1 U	12	5.3 U	5.7 U	5.1 U	5.1 U	7800000
Carbon Disulfide	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	7800000
4-Methyl-2-Pentanone	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
2-Hexanone	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
Styrene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	16000000
1,3-Dichlorobenzene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
1,4-Dichlorobenzene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	27000
1,2-Dichlorobenzene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	7000000
Dichlorodifluoromethane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
Vinyl Acetate	26 U	27 U	25 U	26 U	26 U	28 U	25 U	26 U	78000000
2,2-Dichloropropane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
Bromochloromethane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
1,1-Dichloropropane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
1,3-Dichloropropane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
1,2-Dibromomethane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
Isopropylbenzene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
1,2,3-Trichloropropane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
1,1,1,2-Tetrachloroethane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
Bromobenzene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
n-propylbenzene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
2-Chlorotoluene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
1,3,5-Trimethylbenzene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
4-Chlorotoluene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
tert-Butylbenzene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
1,2,4-Trimethylbenzene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
sec-Butylbenzene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
p-Isopropyltoluene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
Dibromomethane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
n-Butylbenzene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
1,2-Dibromo-3-Chloropropane	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
1,2,4-Trichlorobenzene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	780000
Hexachlorobutadiene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	8000
Naphthalene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	3100000
MTBE	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
1,2,3-Trichlorobenzene	5.2 U	5.5 U	5.1 U	5.3 U	5.3 U	5.7 U	5.1 U	5.1 U	—
Total Confident Conc. VOAs (g)	4	5	4	12	1	13	11	16	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

**Notes**

—: Not established

2-2  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Random Locations of Historic Manufacturing Operations					Paint Shop Dry Well in Former Hammer Shop	Dry Wells in Former Carpentry Shop		Comparison Value for Areas of Concern
Sample ID	I41 B03 3-5	I41 B04 1-3	I41 B04 3-5	I41 B05 1-3	I41 B05 3-5	I42B01 (8-10)	I43B01 (8-10)	I43B01(14-16)	
Sample Depth (ft)	3-5	1-3	3-5	1-3	3-5	8-10	8-10	14-16	
Sampling Date	10/13/00	10/13/00	10/13/00	10/13/00	10/13/00	10/19/00	10/20/00	10/20/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
Bromomethane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
Vinyl Chloride	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	300
Chloroethane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
Methylene Chloride	14	14	13	14	18	4.9 J	11 J	5.3 U	85000
Trichlorofluoromethane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
1,1-Dichloroethene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	1000
1,1-Dichloroethane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	7800000
trans-1,2-Dichloroethene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	1600000
cis-1,2-Dichloroethene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	780000
Chloroform	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	100000
1,2-Dichloroethane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	7000
1,1,1-Trichloroethane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
Carbon Tetrachloride	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	5000
Bromodichloromethane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	10000
1,2-Dichloropropane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	9000
cis-1,3-Dichloropropene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	4000
Trichloroethene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	82	5.3 U	58000
Dibromochloromethane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
1,1,2-Trichloroethane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	11000
Benzene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	22000
1,1,3-Dichloropropene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	4000
2-Chloroethyl Vinyl Ether	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
Bromoform	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	81000
Tetrachloroethene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	7.2 J	5.3 U	12000
1,1,2,2-Tetrachloroethane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	3000
Toluene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	16000000
Chlorobenzene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	1600000
2-Butanone	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
Ethyl Benzene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	7800000
m/p-Xylenes	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	160000000
o-Xylene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	160000000
Acetone	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	46	14	7800000
Carbon Disulfide	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	7800000
4-Methyl-2-Pentanone	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
2-Hexanone	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
Styrene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	16000000
1,3-Dichlorobenzene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
1,4-Dichlorobenzene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	27000
1,2-Dichlorobenzene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	7000000
Dichlorodifluoromethane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
Vinyl Acetate	28 U	28 U	25 U	27 U	27 U	26 U	140 U	26 U	78000000
2,2-Dichloropropane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
Bromochloromethane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
1,1-Dichloropropene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
1,3-Dichloropropene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
1,2-Dibromoethane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
Isopropylbenzene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
1,2,3-Trichloropropane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
1,1,1,2-Tetrachloroethane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
Bromobenzene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
n-propylbenzene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
2-Chlorotoluene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
1,3,5-Trimethylbenzene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
4-Chlorotoluene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
tert-Butylbenzene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
1,2,4-Trimethylbenzene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
sec-Butylbenzene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
p-Isopropyltoluene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
Dibromomethane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
n-Butylbenzene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
1,2-Dibromo-3-Chloropropane	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
1,2,4-Trichlorobenzene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	780000
Hexachlorobutadiene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	8000
Naphthalene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	3100000
MTBE	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
1,2,3-Trichlorobenzene	5.1 U	5.7 U	5.1 U	5.5 U	5.4 U	5.1 U	28 U	5.3 U	---
Total Confident Conc. VOAs (s)	14	14	13	14	15	4.9	146.2	14	10000

**Qualifiers**

U: The compound was not detected at the indicated concentration

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

The concentration given is an approximate value.

**Notes**

--- Not established

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Table C-2  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Dry Wells in Former Carpentry Shop		Canopy Trim Fixture Drain Hole/Sump Pit		Waste Collection Station		Former Spot Weld Rinse Tank		Comparison Value for Areas of Concern
Sample ID	I43B02 (11-13)	I43B02 (13-15)	I44B01 (4-6)	I44B01 (6-8)	I45 B01 0-2	I45 B01 2-4	I46 B01 0-2	I46 B01 2-4	
Sample Depth (ft)	11-13	13-15	4-6	6-8	0-2	2-4	0-2	2-4	
Sampling Date	10/20/00	10/20/00	10/20/00	10/20/00	10/16/00	10/16/00	10/16/00	10/16/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
Bromomethane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
Vinyl Chloride	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	300
Chloroethane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
Methylene Chloride	2.6 J	4.6 J	4.6 J	62	52 U	52 U	57 U	57 U	85000
Trichlorofluoromethane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
1,1-Dichloroethane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	1000
1,1-Dichloroethane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	7800000
trans-1,2-Dichloroethane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	1600000
cis-1,2-Dichloroethane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	7800000
Chloroform	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	100000
1,2-Dichloroethane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	7000
1,1,1-Trichloroethane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
Carbon Tetrachloride	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	5000
Bromodichloromethane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	10000
1,2-Dichloropropane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	9000
cis-1,3-Dichloropropane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	4000
Trichloroethene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	58000
Dibromochloromethane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
1,1,2-Trichloroethane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	11000
Benzene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	22000
1,1,3-Dichloropropene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	4000
2-Chloroethyl Vinyl Ether	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
Bromoforn	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	81000
Tetrachloroethene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	12000
1,1,2,2-Tetrachloroethane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	3000
Toluene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	16000000
Chlorobenzene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	16000000
2-Butanone	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
Ethyl Benzene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	7800000
m/p-Xylenes	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	160000000
o-Xylene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	160000000
Acetone	53 U	85	51 U	6 U	52 U	52 U	57 U	57 U	7800000
Carbon Disulfide	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	7800000
4-Methyl-2-Pentanone	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
2-Hexanone	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
Styrene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	16000000
1,3-Dichlorobenzene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
1,4-Dichlorobenzene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	27000
1,2-Dichlorobenzene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	7000000
Dichlorodifluoromethane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
Vinyl Acetate	27 U	35 U	25 U	30 U	26 U	26 U	26 U	26 U	78000000
2,2-Dichloropropane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
Bromochloromethane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
1,1-Dichloropropane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
1,3-Dichloropropane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
1,2-Dibromoethane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
Isopropylbenzene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
1,2,3-Trichloropropane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
1,1,1,2-Tetrachloroethane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
Bromobenzene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
n-Propylbenzene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
2-Chlorotoluene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
1,3,5-Trimethylbenzene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
4-Chlorotoluene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
tert-Butylbenzene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
1,2,4-Trimethylbenzene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
sec-Butylbenzene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
p-Isopropyltoluene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
Dibromomethane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
n-Butylbenzene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
1,2-Dibromo-3-Chloropropane	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
1,2,4-Trichlorobenzene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	780000
Hexachlorobutadiene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	8000
Naphthalene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	3100000
MTBE	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
1,2,3-Trichlorobenzene	53 U	7 U	51 U	6 U	52 U	52 U	57 U	57 U	—
Total Confident Conc. VOAs (g)	2.8	13.1	4.8	6.2	ND	ND	ND	31	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Date indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

**Notes**

— Not established  
ND Not Detected

C-2  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	RHIC Magnet Pumping Units								Comparison Value for Areas of Concern
Sample ID	I47 B01 0-2	I47 B01 2-4	I47 B02 0-2	I47 B02 2-4					
Sample Depth (ft)	0-2	2-4	0-2	2-4					
Sampling Date	10/16/00	10/16/00	10/16/00	10/16/00					
Matrix	S	S	S	S					
Dilution Factor	1.0	1.0	1.0	1.0					
Units	ug/kg	ug/kg	ug/kg	ug/kg					ug/kg
Chloromethane	5.3 U	5.1 U	5.4 U	5.1 U					—
Bromomethane	5.3 U	5.1 U	5.4 U	5.1 U					—
Vinyl Chloride	5.3 U	5.1 U	5.4 U	5.1 U					300
Chloroethane	5.3 U	5.1 U	5.4 U	5.1 U					—
Methylene Chloride	5.3 U	5.1 U	5.4 U	5.1 U					85000
Trichlorofluoromethane	5.3 U	5.1 U	5.4 U	5.1 U					—
1,1-Dichloroethene	5.3 U	5.1 U	5.4 U	5.1 U					1000
1,1-Dichloroethane	5.3 U	5.1 U	5.4 U	5.1 U					7800000
trans-1,2-Dichloroethene	5.3 U	5.1 U	5.4 U	5.1 U					1600000
cis-1,2-Dichloroethene	5.3 U	5.1 U	5.4 U	5.1 U					780000
Chloroform	5.3 U	5.1 U	5.4 U	5.1 U					100000
1,2-Dichloroethane	5.3 U	5.1 U	5.4 U	5.1 U					7000
1,1,1-Trichloroethane	5.3 U	5.1 U	5.4 U	5.1 U					—
Carbon Tetrachloride	5.3 U	5.1 U	5.4 U	5.1 U					5000
Bromodichloromethane	5.3 U	5.1 U	5.4 U	5.1 U					10000
1,2-Dichloropropane	5.3 U	5.1 U	5.4 U	5.1 U					8000
cis-1,3-Dichloropropene	5.3 U	5.1 U	5.4 U	5.1 U					4000
Trichloroethene	5.3 U	5.1 U	5.4 U	5.1 U					58000
Dibromochloromethane	5.3 U	5.1 U	5.4 U	5.1 U					—
1,1,2-Trichloroethane	5.3 U	5.1 U	5.4 U	5.1 U					11000
Benzene	5.3 U	5.1 U	5.4 U	5.1 U					22000
t-1,3-Dichloropropene	5.3 U	5.1 U	5.4 U	5.1 U					4000
2-Chloroethyl Vinyl Ether	5.3 U	5.1 U	5.4 U	5.1 U					—
Bromoform	5.3 U	5.1 U	5.4 U	5.1 U					81000
Tetrachloroethene	5.3 U	5.1 U	5.4 U	5.1 U					12000
1,1,2,2-Tetrachloroethane	5.3 U	5.1 U	5.4 U	5.1 U					3000
Toluene	5.3 U	5.1 U	5.4 U	5.1 U					16000000
Chlorobenzene	5.3 U	5.1 U	5.4 U	5.1 U					16000000
2-Butanone	5.3 U	5.1 U	14	5.1 U					—
Ethyl Benzene	5.3 U	5.1 U	5.4 U	5.1 U					7800000
m/p-Xylenes	5.3 U	5.1 U	5.4 U	5.1 U					160000000
o-Xylene	5.3 U	5.1 U	5.4 U	5.1 U					160000000
Acetone	5.3 U	5.1 U	12	66					7800000
Carbon Disulfide	5.3 U	5.1 U	5.4 U	5.1 U					7800000
4-Methyl-2-Pentanone	5.3 U	5.1 U	5.4 U	5.1 U					—
2-Hexanone	5.3 U	5.1 U	5.4 U	5.1 U					—
Styrene	5.3 U	5.1 U	5.4 U	5.1 U					16000000
1,3-Dichlorobenzene	5.3 U	5.1 U	5.4 U	5.1 U					—
1,4-Dichlorobenzene	5.3 U	5.1 U	5.4 U	5.1 U					27000
1,2-Dichlorobenzene	5.3 U	5.1 U	5.4 U	5.1 U					7000000
Dichlorodifluoromethane	5.3 U	5.1 U	5.4 U	5.1 U					—
Vinyl Acetate	26 U	26 U	27 U	26 U					78000000
2,2-Dichloropropane	5.3 U	5.1 U	5.4 U	5.1 U					—
Bromochloromethane	5.3 U	5.1 U	5.4 U	5.1 U					—
1,1-Dichloropropene	5.3 U	5.1 U	5.4 U	5.1 U					—
1,3-Dichloropropane	5.3 U	5.1 U	5.4 U	5.1 U					—
1,2-Dibromoethane	5.3 U	5.1 U	5.4 U	5.1 U					—
Isopropylbenzene	5.3 U	5.1 U	5.4 U	5.1 U					—
1,2,3-Trichloropropane	5.3 U	5.1 U	5.4 U	5.1 U					—
1,1,1,2-Tetrachloroethane	5.3 U	5.1 U	5.4 U	5.1 U					—
Bromobenzene	5.3 U	5.1 U	5.4 U	5.1 U					—
n-propylbenzene	5.3 U	5.1 U	5.4 U	5.1 U					—
2-Chlorotoluene	5.3 U	5.1 U	5.4 U	5.1 U					—
1,3,5-Trimethylbenzene	5.3 U	5.1 U	5.4 U	5.1 U					—
4-Chlorotoluene	5.3 U	5.1 U	5.4 U	5.1 U					—
tert-Butylbenzene	5.3 U	5.1 U	5.4 U	5.1 U					—
1,2,4-Trimethylbenzene	5.3 U	5.1 U	5.4 U	5.1 U					—
sec-Butylbenzene	5.3 U	5.1 U	5.4 U	5.1 U					—
p-Isopropyltoluene	5.3 U	5.1 U	5.4 U	5.1 U					—
Dibromomethane	5.3 U	5.1 U	5.4 U	5.1 U					—
n-Butylbenzene	5.3 U	5.1 U	5.4 U	5.1 U					—
1,2-Dibromo-3-Chloropropane	5.3 U	5.1 U	5.4 U	5.1 U					—
1,2,4-Trichlorobenzene	5.3 U	5.1 U	5.4 U	5.1 U					780000
Hexachlorobutadiene	5.3 U	5.1 U	5.4 U	5.1 U					8000
Naphthalene	5.3 U	5.1 U	5.4 U	5.1 U					3100000
MTBE	5.3 U	5.1 U	5.4 U	5.1 U					—
1,2,3-Trichlorobenzene	5.3 U	5.1 U	5.4 U	5.1 U					—
Total Confident Conc. VOAs (s)	ND	ND	26	8					10000

**Qualifiers**

U The compound was not detected at the indicated concentration  
J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero  
The concentration given is an approximate value

**Notes**

— Not established  
ND Not Detected

Table C-3  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Paint Spray Room		Former Paint Storage Room		Former Storage Bldg DW	Former Dry Well Area			Comparison Value for Areas of Concern
Sample ID	I02 B01 1-3	I02 B01 3-5	I03 B01 1-3	I03 B01 3-5	I04 B01 8-10	I05 B01 8-10	I05 B01 20-22	E43 B02/105 B02 14-16	
Sample Depth (ft)	1-3	3-5	1-3	3-5	8-10	8-10	20-22	14-16	
Sampling Date	09/19/00	09/19/00	09/19/00	09/19/00	10/17/00	10/02/00	10/02/00	10/12/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	47000000
2-Chlorophenol	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	390000
2-Nitrophenol	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	—
2,4-Dimethylphenol	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	16000000
2,4-Dichlorophenol	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	2300000
4-Chloro-3-methylphenol	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	—
2,4,6-Trichlorophenol	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	58000
2,4-Dinitrophenol	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	160000
4-Nitrophenol	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	—
4,6-Dinitro-2-methylphenol	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	—
Pentachlorophenol	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	3000
bis(2-Chloroethoxy)ether	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	600
1,3-Dichlorobenzene	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	—
1,4-Dichlorobenzene	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	27000
1,2-Dichlorobenzene	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	7000000
N-Nitroso-di-n-propylamine	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	90
Hexachloroethane	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	48000
Nitrobenzene	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	39000
Isophorone	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	670000
bis(2-Chloroethoxy)methane	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	—
1,2,4-Trichlorobenzene	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	780000
Naphthalene	360 U	370 U	350 U	340 U	340 U	350 J	370 U	380 U	3100000
Hexachlorobutadiene	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	8000
Hexachlorocyclopentadiene	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	550000
2-Chloronaphthalene	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	—
Dimethylphthalate	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	—
Acenaphthylene	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	—
2,6-Dinitrotoluene	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	900
Acenaphthene	360 U	370 U	350 U	340 U	340 U	340 J	370 U	380 U	470000
2,4-Dinitrotoluene	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	900
Diethylphthalate	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	63000000
4-Chlorophenyl-phenylether	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	—
Fluorene	360 U	370 U	350 U	340 U	340 U	420	370 U	380 U	3100000
N-Nitrosodiphenylamine	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	130000
4-Bromophenyl-phenylether	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	—
Hexachlorobenzene	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	400
Phenanthrene	400	370 U	48 J	340 U	340 U	3100	370 U	380 U	—
Anthracene	61 J	370 U	350 U	340 U	340 U	760	370 U	380 U	23000000
Di-n-butylphthalate	77 J	120 J	85 J	64 J	66 J	92 J	40 J	380 U	7800000
Fluoranthene	420	370 U	80 J	340 U	340 U	3100	370 U	96 J	3100000
Pyrene	230 J	370 U	350 U	340 U	340 U	1800	370 U	68 J	2300000
Butylbenzylphthalate	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	16000000
3,3'-Dichlorobenzidine	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	1000
Benzo(a)anthracene	140 J	370 U	350 U	340 U	340 U	1300	370 U	40 J	900
Chrysene	180 J	370 U	350 U	340 U	340 U	1300	370 U	59 J	88000
bis(2-Ethylhexyl)phthalate	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	46000
Di-n-octyl phthalate	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	16000000
Benzo(b)fluoranthene	110 J	370 U	350 U	340 U	340 U	1200	370 U	49 J	900
Benzo(k)fluoranthene	99 J	370 U	350 U	340 U	340 U	1100	370 U	55 J	9000
Benzo(a)pyrene	99 J	370 U	350 U	340 U	340 U	1400	370 U	42 J	90
Indeno(1,2,3-cd)pyrene	59 J	370 U	350 U	340 U	340 U	560	370 U	380 U	900
Dibenzo(a,h)anthracene	360 U	370 U	350 U	340 U	340 U	64 J	370 U	380 U	90
Benzo(g,h,i)perylene	58 J	370 U	350 U	340 U	340 U	630	370 U	380 U	—
2,4,5-Trichlorophenol	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	7800000
2-Methylphenol	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	3900000
3+4-Methylphenols	720 U	750 U	690 U	690 U	670 U	780 U	730 U	770 U	—
Benzyl Alcohol	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	—
2,2'-oxybis(1-Chloropropane)	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	—
4-Chloroaniline	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	310000
2-Methylnaphthalene	360 U	370 U	350 U	340 U	340 U	85 J	370 U	380 U	—
4-Nitroaniline	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	—
2-Nitroaniline	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	—
3-Nitroaniline	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	—
Dibenzofuran	360 U	370 U	350 U	340 U	340 U	280 J	370 U	380 U	—
Azobenzene	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	—
Benzoic acid	360 U	370 U	350 U	340 U	340 U	390 U	370 U	380 U	31000000
Total Carcinogenic PAHs	667	0	0	0	0	6644	0	245	10000
Total PAH	1636	120	146	0	0	17789	0	409	100000
Total Confident Conc. SVOC (s)	1913	120	171	64	69	17861	40	409	500000

**Qualifiers**

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

0: This qualifier identifies all compounds identified in an analyte at a secondary dilution factor.

**Notes**

Result exceeds Comparison Value for Areas of Concern

— Not established

SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Dry Well Area	Former Paint Shop				Former Paint Tunnel			Comparison Value for Areas of Concern
Sample ID	E43 B02/105 B02 6-8	I06 B01 1-3'	I06 B01 3-5'	I06 B02 1-3'	I06 B02 3-5'	I07 B01 3-5'	I07 B01 5-7'	I07 B02 1-3'	
Sample Depth (ft)	6-8	1-3	3-5	1-3	3-5	3-5	5-7	1-3	
Sampling Date	10/12/00	09/21/00	09/21/00	09/21/00	09/21/00	09/29/00	09/29/00	09/21/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	390 U	350 U	340 U	400 U	79 J	6700 D	390 U	370 U	47000000
2-Chlorophenol	390 U	350 U	340 U	400 U	420 U	390 U	390 U	370 U	390000
2-Nitrophenol	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	---
2,4-Dimethylphenol	390 U	350 U	340 U	400 U	420 U	510	390 U	370 U	16000000
2,4-Dichlorophenol	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	230000
4-Chloro-3-methylphenol	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	---
2,4,6-Trichlorophenol	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	58000
2,4-Dinitrophenol	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	160000
4-Nitrophenol	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	---
4,6-Dinitro-2-methylphenol	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	---
Pentachlorophenol	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	3000
bis(2-Chloroethyl)ether	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	600
1,3-Dichlorobenzene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	---
1,4-Dichlorobenzene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	27000
1,2-Dichlorobenzene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	7000000
N-Nitroso-di-n-propylamine	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	90
Hexachloroethane	390 U	350 U	340 U	400 U	420 U	110 J	390 U	370 U	48000
Nitrobenzene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	39000
Isophorone	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	670000
bis(2-Chloroethoxy)methane	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	---
1,2,4-Trichlorobenzene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	780000
Naphthalene	390 U	350 U	340 U	400 U	420 U	45 J	390 U	370 U	3100000
Hexachlorobutadiene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	8000
Hexachlorocyclopentadiene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	550000
2-Chloronaphthalene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	---
Dimethylphthalate	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	---
Acenaphthylene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	---
2,6-Dinitrotoluene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	900
Acenaphthene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	4700000
2,4-Dinitrotoluene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	900
Diethylphthalate	390 U	350 U	340 U	400 U	420 U	470	390 U	370 U	63000000
4-Chlorophenyl-phenylether	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	---
Fluorene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	3100000
N-Nitrosodiphenylamine	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	130000
4-Bromophenyl-phenylether	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	---
Hexachlorobenzene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	400
Phenanthrene	390 U	350 U	340 U	400 U	180 J	300 J	390 U	260 J	---
Anthracene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	59 J	23000000
Di-n-butylphthalate	56 J	68 J	42 J	140 J	91 J	210 J	390 U	87 J	7800000
Fluoranthene	390 U	350 U	340 U	400 U	47 J	200 J	390 U	310 J	3100000
Pyrene	390 U	350 U	340 U	400 U	78 J	100 J	390 U	180 J	2300000
Butylbenzylphthalate	390 U	350 U	340 U	400 U	420 U	4400 D	390 U	370 U	18000000
3,3'-Dichlorobenzidine	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	1000
Benzo(a)anthracene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	130 J	900
Chrysene	390 U	350 U	340 U	400 U	420 U	130 J	390 U	140 J	88000
bis(2-Ethylhexyl)phthalate	390 U	350 U	340 U	400 U	90 J	7600 D	390 U	49 J	48000
Di-n-octyl phthalate	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	16000000
Benzo(b)fluoranthene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	98 J	900
Benzo(k)fluoranthene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	85 J	9000
Benzo(a)pyrene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	98 J	90
Indeno(1,2,3-cd)pyrene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	57 J	900
Dibenzo(a,h)anthracene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	90
Benzo(g,h,i)perylene	390 U	350 U	340 U	400 U	420 U	54 J	390 U	81 J	---
2,4,5-Trichlorophenol	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	7800000
2-Methylphenol	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	3900000
3+4-Methylphenols	780 U	690 U	680 U	800 U	840 U	4900 D	780 U	750 U	---
Benzyl Alcohol	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	---
2,2'-oxybis(1-Chloropropane)	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	---
4-Chloroaniline	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	310000
2-Methylnaphthalene	390 U	350 U	340 U	400 U	78 J	380 U	390 U	370 U	---
4-Nitroaniline	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	---
2-Nitroaniline	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	---
3-Nitroaniline	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	---
Dibenzofuran	390 U	350 U	340 U	400 U	420 U	47 J	390 U	370 U	---
Azobenzene	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	---
Benzoic acid	390 U	350 U	340 U	400 U	420 U	380 U	390 U	370 U	31000000
Total Carcinogenic PAHs	0	0	0	0	0	13	0	604	10000
Total PAH	0	0	0	0	381	876	0	1474	100000
Total Confident Conc. SVOC (s)	56	68	42	140	641	25776	ND	1610	500000

**Qualifiers**

U: The compound was not detected at the indicated concentration

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

D: This qualifier identifies all compounds identified in an analyte at a secondary dilution factor.

**Notes**

Result exceeds Comparison Value for Areas of Concern

---: Not established

Table C-3  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Paint Tunnel			Boiler Room Former Dry Well		Former Hammer Shop		Paint Shop Former DW	Comparison Value for Areas of Concern
Sample ID	107 B02 3-5'	107 B03 5-7'	107 B03 7-9'	108 B01 2-4'	108 B01 9-11'	109 B01 1-3'	109 B01 3-5'	110 B01 4-6'	
Sample Depth (ft)	3-5	5-7	7-9	2-4	9-11	1-3	3-5	4-6	
Sampling Date	09/21/00	10/17/00	10/17/00	09/29/00	09/29/00	09/29/00	09/29/00	09/25/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	340 U	370 U	17000 D	48 J	64 J	62 J	350 U	350 U	4700000
2-Chlorophenol	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	390000
2-Nitrophenol	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	---
2,4-Dimethylphenol	340 U	370 U	220 J	340 U	340 U	390 U	350 U	350 U	1600000
2,4-Dichlorophenol	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	230000
4-Chloro-3-methylphenol	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	---
2,4,6-Trichlorophenol	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	58000
2,4-Dinitrophenol	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	160000
4-Nitrophenol	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	---
4,6-Dinitro-2-methylphenol	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	---
Pentachlorophenol	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	3000
bis(2-Chloroethoxy)ether	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	600
1,3-Dichlorobenzene	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	---
1,4-Dichlorobenzene	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	27000
1,2-Dichlorobenzene	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	7000000
N-Nitroso-di-n-propylamine	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	90
Hexachloroethane	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	48000
Nitrobenzene	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	39000
Isophorone	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	670000
bis(2-Chloroethoxy)methane	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	---
1,2,4-Trichlorobenzene	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	780000
Naphthalene	340 U	370 U	180 J	340 U	340 U	390 U	350 U	350 U	3100000
Hexachlorobutadiene	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	8000
Hexachlorocyclopentadiene	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	550000
2-Chloronaphthalene	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	---
Dimethylphthalate	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	---
Acenaphthylene	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	---
2,6-Dinitrotoluene	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	900
Acenaphthene	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	4700000
2,4-Dinitrotoluene	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	900
Diethylphthalate	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	63000000
4-Chlorophenyl-phenylether	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	---
Fluorene	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	3100000
N-Nitrosodiphenylamine	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	130000
4-Bromophenyl-phenylether	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	---
Hexachlorobenzene	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	400
Phenanthrene	340 U	370 U	350 U	210 J	59 J	62 J	350 U	350 U	---
Anthracene	340 U	370 U	52 J	43 J	340 U	390 U	350 U	350 U	23000000
Di-n-butylphthalate	60 J	54 J	81 J	120 J	110 J	130 J	67 J	65 J	7800000
Fluoranthene	340 U	370 U	350 U	230 J	65 J	77 J	350 U	350 U	3100000
Pyrene	340 U	370 U	350 U	140 J	39 J	52 J	350 U	350 U	2300000
Butylbenzylphthalate	340 U	170 J	350 U	340 U	340 U	390 U	350 U	350 U	16000000
3,3'-Dichlorobenzidine	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	1000
Benzo(a)anthracene	340 U	370 U	350 U	100 J	340 U	390 U	350 U	350 U	900
Chrysene	340 U	370 U	350 U	100 J	340 U	390 U	350 U	350 U	88000
bis(2-Ethylhexyl)phthalate	67 J	70 J	350 U	340 U	340 U	390 U	350 U	55 J	46000
Di-n-octyl phthalate	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	16000000
Benzo(b)fluoranthene	340 U	370 U	350 U	66 J	340 U	390 U	350 U	350 U	900
Benzo(k)fluoranthene	340 U	370 U	350 U	76 J	340 U	390 U	350 U	350 U	9000
Benzo(a)pyrene	340 U	370 U	350 U	65 J	340 U	390 U	350 U	350 U	90
Indeno(1,2,3-cd)pyrene	340 U	370 U	350 U	61 J	340 U	390 U	350 U	350 U	900
Dibenzo(a,h)anthracene	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	90
Benzo(g,h,i)perylene	340 U	370 U	350 U	59 J	340 U	390 U	350 U	350 U	---
2,4,5-Trichlorophenol	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	7800000
2-Methylphenol	340 U	370 U	440	340 U	340 U	390 U	350 U	350 U	3900000
3+4-Methylphenols	690 U	740 U	770	690 U	690 U	780 U	690 U	690 U	---
Benzyl Alcohol	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	---
2,2'-oxybis(1-Chloropropane)	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	---
4-Chloroaniline	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	310000
2-Methylnaphthalene	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	---
4-Nitroaniline	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	---
2-Nitroaniline	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	---
3-Nitroaniline	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	---
Dibenzofuran	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	---
Azobenzene	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	---
Benzoic acid	340 U	370 U	350 U	340 U	340 U	390 U	350 U	350 U	310000000
Total Carcinogenic PAHs	0	0	0	468	0	0	0	0	10000
Total PAH	0	0	52	1150	163	191	0	0	100000
Total Confident Conc. SVOC (s)	127	294	18743	1316	337	383	67	120	500000

#### Qualifiers

U- The compound was not detected at the indicated concentration.

J- Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantification limit but greater than zero

D- This qualifier identifies all compounds identified in an analysis at a secondary dilution factor

#### Notes

Result exceeds Comparison Value for Areas of Concern

--- Not established



SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Paint Shop Former DW	Former Paint Shop Booths and Paint Tunnel								Comparison Value for Areas of Concern
Sample ID	I10 B01 10-12	I11 B01 1-3'	I11 B01 3-5'	I11 B02 1-3'	I11 B02 3-5'	I11 B03 1-3'	I11 B03 3-5'	I11 B04 1-3'		
Sample Depth (ft)	10-12	1-3	3-5	1-3	3-5	1-3	3-5	1-3		
Sampling Date	09/25/00	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00		
Matrix	S	S	S	S	S	S	S	S		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg
Phenol	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		47000000
2-Chlorophenol	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		390000
2-Nitrophenol	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
2,4-Dimethylphenol	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		1600000
2,4-Dichlorophenol	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		230000
4-Chloro-3-methylphenol	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
2,4,6-Trichlorophenol	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		58000
2,4-Dinitrophenol	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		160000
4-Nitrophenol	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
4,6-Dinitro-2-methylphenol	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
Pentachlorophenol	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		3000
bis(2-Chloroethyl)ether	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		600
1,3-Dichlorobenzene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
1,4-Dichlorobenzene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		27000
1,2-Dichlorobenzene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		7000000
N-Nitroso-di-n-propylamine	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		90
Hexachloroethane	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		46000
Nitrobenzene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		39000
Isophorone	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		670000
bis(2-Chloromethoxy)methane	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
1,2,4-Trichlorobenzene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		780000
Naphthalene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		3100000
Hexachlorobutadiene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		8000
Hexachlorocyclopentadiene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		550000
2-Chloronaphthalene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
Dimethylphthalate	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
Acenaphthylene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
2,6-Dinitrotoluene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		900
Acenaphthene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		4700000
2,4-Dinitrotoluene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		900
Diethylphthalate	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		63000000
4-Chlorophenyl-phenylether	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
Fluorene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		3100000
N-Nitrosodiphenylamine	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		130000
4-Bromophenyl-phenylether	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
Hexachlorobenzene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		400
Phenanthrene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
Anthracene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		23000000
Di-n-butylphthalate	85 J	350 U	350 U	360 U	45 J	75 J	350 U	84 J		7800000
Fluoranthene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		3100000
Pyrene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		2300000
Butylbenzylphthalate	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		16000000
3,3'-Dichlorobenzidine	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		1000
Benzo(a)anthracene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		900
Chrysene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		88000
bis(2-Ethylhexyl)phthalate	350 U	350 U	44 J	360 U	340 U	400 U	350 U	370 U		46000
Di-n-octyl phthalate	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		16000000
Benzo(b)fluoranthene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		900
Benzo(k)fluoranthene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		9000
Benzo(a)pyrene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		90
Indeno(1,2,3-cd)pyrene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		900
Dibenzo(a,h)anthracene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		90
Benzo(g,h,i)perylene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		90
2,4,5-Trichlorophenol	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
2-Methylphenol	350 U	710 U	690 U	720 U	340 U	400 U	350 U	370 U		7800000
3+4-Methylphenols	690 U	350 U	350 U	680 U	340 U	400 U	690 U	750 U		3900000
Benzyl Alcohol	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
2,2'-oxybis(1-Chloropropane)	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
4-Chloroaniline	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
2-Methylnaphthalene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		310000
4-Nitroaniline	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
2-Nitroaniline	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
3-Nitroaniline	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
Dibenzofuran	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
Azobenzene	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
Benzoic acid	350 U	350 U	350 U	360 U	340 U	400 U	350 U	370 U		---
Total Carcinogenic PAHs	0	0	0	0	0	0	0	0		31000000
Total PAH	0	0	0	0	0	0	0	0		10000
Total Confident Conc. SVOC (s)	85	ND	44	ND	45	75	84	95		500000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

D This qualifier identifies all compounds identified in an analysis at a secondary dilution factor

**Notes**

Result exceeds Comparison Value for Areas of Concern  
— Not established

Table C-3  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Paint Booths and Paint Tunnel								Former Alodine Room	Comparison Value for Areas of Concern
Sample ID	I11 B04 3-5'	I11 B05 1-3'	I11 B05 3-5'	I11 B06 0-2'	I11 B06 2-4'	I11B07 (1.5-3.5)	I11B07 (3.5-5.5)	I12 B01 1-3'		
Sample Depth (ft)	3-5	1-3	3-5	0-2	2-4	1.5-3.5	3.5-5.5	1-3		
Sampling Date	09/22/00	09/28/00	09/29/00	10/18/00	10/18/00	10/20/00	10/20/00	09/21/00		
Matrix	S	S	S	S	S	S	S	S		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg
Phenol	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		47000000
2-Chlorophenol	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		390000
2-Nitrophenol	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
2,4-Dimethylphenol	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		1600000
2,4-Dichlorophenol	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		230000
4-Chloro-3-methylphenol	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
2,4,6-Trichlorophenol	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		58000
2,4-Dinitrophenol	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		160000
4-Nitrophenol	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
4,6-Dinitro-2-methylphenol	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
Pentachlorophenol	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		3000
bis(2-Chloroethyl)ether	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		600
1,3-Dichlorobenzene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
1,4-Dichlorobenzene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		27000
1,2-Dichlorobenzene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		7000000
N-Nitroso-di-n-propylamine	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		90
Hexachloroethane	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		48000
Nitrobenzene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		39000
Isophorone	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		670000
bis(2-Chloroethoxy)methane	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
1,2,4-Trichlorobenzene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		780000
Naphthalene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		3100000
Hexachlorobutadiene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		8000
Hexachlorocyclopentadiene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		550000
2-Chloronaphthalene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
Dimethylphthalate	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
Acenaphthylene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
2,6-Dinitrotoluene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
Acenaphthene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		900
2,4-Dinitrotoluene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		4700000
Diethylphthalate	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		900
4-Chlorophenyl-phenylether	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		63000000
Fluorene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
N-Nitrosodiphenylamine	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		3100000
4-Bromophenyl-phenylether	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		130000
Hexachlorobenzene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
Phenanthrene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		400
Anthracene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
Di-n-butylphthalate	150 J	55 J	78 J	94 J	130 J	52 J	59 J	64 J		23000000
Fluoranthene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		7800000
Pyrene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		3100000
Butylbenzylphthalate	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		2300000
3,3'-Dichlorobenzidine	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		16000000
Benzo(a)anthracene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		1000
Chrysene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		900
bis(2-Ethylhexyl)phthalate	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		88000
Di-n-octyl phthalate	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		46000
Benzo(b)fluoranthene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		16000000
Benzo(k)fluoranthene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		900
Benzo(a)pyrene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		8000
Indeno(1,2,3-cd)pyrene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		900
Dibenzo(a,h)anthracene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		90
Benzo(g,h,i)perylene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
2,4,5-Trichlorophenol	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		7800000
2-Methylphenol	680 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		3600000
3+4-Methylphenols	340 U	780 U	670 U	680 U	680 U	680 U	680 U	700 U		—
Benzyl Alcohol	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
2,2'-oxybis(1-Chloropropane)	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
4-Chloroaniline	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		310000
2-Methylnaphthalene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
4-Nitroaniline	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
2-Nitroaniline	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
3-Nitroaniline	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
Dibenzofuran	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
Azobenzene	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
Benzic acid	340 U	390 U	340 U	340 U	340 U	340 U	340 U	350 U		—
Total Carcinogenic PAHs	0	0	0	0	0	0	0	0		31000000
Total PAH	0	0	0	0	0	0	0	0		10000
Total Confident Conc. SVOC (s)	150	55	78	94	130	52	59	64		500000

#### Qualifiers

U- The compound was not detected at the indicated concentration.

J- Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

D- This qualifier identifies all compounds identified in an analysis at a secondary dilution factor

#### Notes

Result exceeds Comparison Value for Areas of Concern

— Not established

SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Alodine Room									Comparison Value for Areas of Concern
Sample ID	I12 B01 3-5'	I12 B02 1-3'	I12 B02 3-5'	I12 B03 1-3'	I12 B03 3-5'	I12 B04 1-3'	I12 B04 3-5'	I12 B05 1-3'		
Sample Depth (ft)	3-5	1-3	3-5	1-3	3-5	1-3	3-5	1-3		
Sampling Date	09/21/00	09/21/00	09/21/00	09/21/00	09/21/00	09/21/00	09/21/00	09/21/00		
Matrix	S	S	S	S	S	S	S	S		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg
Phenol	36 J	340 U	48 J	340 U	340 U	340 U	37 J	340 U		47000000
2-Chlorophenol	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		390000
2-Nitrophenol	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
2,4-Dimethylphenol	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		16000000
2,4-Dichlorophenol	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		2300000
4-Chloro-3-methylphenol	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
2,4,6-Trichlorophenol	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		58000
2,4-Dinitrophenol	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		160000
4-Nitrophenol	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
4,6-Dinitro-2-methylphenol	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
Pentachlorophenol	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		3000
bis(2-Chloromethyl)ether	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		600
1,3-Dichlorobenzene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
1,4-Dichlorobenzene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		27000
1,2-Dichlorobenzene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		7000000
N-Nitroso-di-n-propylamine	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		90
Hexachloroethane	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		46000
Nitrobenzene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		39000
Isophorone	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		670000
bis(2-Chloroethoxy)methane	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
1,2,4-Trichlorobenzene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		780000
Naphthalene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		3100000
Hexachlorobutadiene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		8000
Hexachlorocyclopentadiene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		550000
2-Chloronaphthalene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
Dimethylphthalate	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
Acenaphthylene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
2,6-Dinitrotoluene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		900
Acenaphthene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		4700000
2,4-Dinitrotoluene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		900
Diethylphthalate	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		63000000
4-Chlorophenyl-phenylether	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
Fluorene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
N-Nitrosodiphenylamine	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		3100000
4-Bromophenyl-phenylether	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		130000
Hexachlorobenzene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
Phenanthrene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		400
Anthracene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
Di-n-butylphthalate	70 J	340 U	120 J	96 J	150 J	52 J	97 J	76 J		23000000
Fluoranthene	340 U	52 J	340 U	340 U	340 U	340 U	350 U	120 J		7800000
Pyrene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	68 J		3100000
Butylbenzylphthalate	340 U	340 U	340 U	340 U	56 J	340 U	350 U	69 J		2300000
3,3'-Dichlorobenzidine	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		1000
Benzo(a)anthracene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	47 J		900
Chrysene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	55 J		88000
bis(2-Ethylhexyl)phthalate	340 U	340 U	340 U	340 U	140 J	340 U	350 U	62 J		48000
Di-n-octyl phthalate	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		16000000
Benzo(b)fluoranthene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	36 J		900
Benzo(k)fluoranthene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	43 J		9000
Benzo(a)pyrene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	45 J		90
Indeno(1,2,3-cd)pyrene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		900
Dibenzo(a,h)anthracene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		90
Benzo(g,h,i)perylene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
2,4,5-Trichlorophenol	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		7800000
2-Methylphenol	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		3900000
3+4-Methylphenols	690 U	690 U	690 U	690 U	690 U	670 U	690 U	690 U		---
Benzyl Alcohol	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
2,2'-oxybis(1-Chloropropane)	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
4-Chloroaniline	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		310000
2-Methylnaphthalene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
4-Nitroaniline	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
2-Nitroaniline	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
3-Nitroaniline	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
Dibenzofuran	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
Azobenzene	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		---
Benzoic acid	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U		31000000
Total Carcinogenic PAHs	0	0	0	0	0	0	0	228		10000
Total PAH	0	52	0	0	0	0	0	485		100000
Total Confident Conc. SVOC (s)	106	52	166	96	346	52	134	692		500000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

D This qualifier identifies all compounds identified in an analysis at a secondary dilution factor

**Notes**

Result exceeds Comparison Value for Areas of Concern

--- Not established

Table C-3  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Aldine Room		Former Downspout Dry Wells				Former Heat Treat Room			Comparison Value
Sample ID	I12 B05 3-5'	I13 B01 2-4'	I13 B01 8-9'	I13B02(2-4)	I13B02 (6-7)	I16 B02 1-3'	I16B02 (3.5-5.5)	I16B02 (5.5-7.5)		for Areas of Concern
Sample Depth (ft)	3-5	2-4	8-9	2-4	6-7	1-3	3.5-5.5	5.5-7.5		
Sampling Date	09/21/00	10/17/00	10/17/00	10/20/00	10/20/00	09/21/00	10/19/00	10/19/00		
Matrix	S	S	S	S	S	S	S	S		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg
Phenol	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		47000000
2-Chlorophenol	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		390000
2-Nitrophenol	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
2,4-Dimethylphenol	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		18000000
2,4-Dichlorophenol	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		230000
4-Chloro-3-methylphenol	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
2,4,6-Trichlorophenol	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		58000
2,4-Dinitrophenol	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		160000
4-Nitrophenol	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
4,6-Dinitro-2-methylphenol	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
Pentachlorophenol	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		3000
bis(2-Chloroethyl)ether	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		800
1,3-Dichlorobenzene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
1,4-Dichlorobenzene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		27000
1,2-Dichlorobenzene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		7000000
N-Nitroso-di-n-propylamine	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		90
Hexachloroethane	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		48000
Nitrobenzene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		39000
Isophorone	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		670000
bis(2-Chloroethoxy)methane	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
1,2,4-Trichlorobenzene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
Naphthalene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		780000
Hexachlorobutadiene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		3100000
Hexachlorocyclopentadiene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		8000
2-Chloronaphthalene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		550000
Dimethylphthalate	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
Acenaphthylene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
2,6-Dinitrotoluene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		900
Acenaphthene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		470000
2,4-Dinitrotoluene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		900
Diethylphthalate	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		6300000
4-Chlorophenyl-phenylether	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
Fluorene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		310000
N-Nitrosodiphenylamine	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		130000
4-Bromophenyl-phenylether	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
Hexachlorobenzene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		400
Phenanthrene	35 J	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
Anthracene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		2300000
Di-n-butylphthalate	270 J	72 J	43 J	98 J	340 U	340 U	59 J	85 J		780000
Fluoranthene	73 J	370 U	340 U	340 U	340 U	340 U	350 U	340 U		310000
Pyrene	49 J	370 U	340 U	340 U	340 U	340 U	350 U	340 U		230000
Butylbenzylphthalate	61 J	370 U	340 U	340 U	340 U	340 U	350 U	340 U		1600000
3,3'-Dichlorobenzidine	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		1000
Benzo(a)anthracene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		900
Chrysene	37 J	370 U	340 U	340 U	340 U	340 U	350 U	340 U		88000
bis(2-Ethylhexyl)phthalate	78 J	370 U	340 U	340 U	340 U	340 U	98 J	340 U		46000
Di-n-octyl phthalate	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		1600000
Benzo(b)fluoranthene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		900
Benzo(k)fluoranthene	49 J	370 U	340 U	340 U	340 U	340 U	350 U	340 U		9000
Benzo(a)pyrene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		90
Indeno(1,2,3-cd)pyrene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		900
Dibenzo(a,h)anthracene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		90
Benzo(g,h,i)perylene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
2,4,5-Trichlorophenol	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		780000
2-Methylphenol	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		3900000
3+4-Methylphenols	690 U	730 U	680 U	690 U	690 U	690 U	700 U	690 U		—
Benzyl Alcohol	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
2,2'-oxybis(1-Chloropropane)	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
4-Chloroaniline	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		310000
2-Methylnaphthalene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
4-Nitroaniline	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
2-Nitroaniline	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
3-Nitroaniline	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
Dibenzofuran	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
Azobenzene	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		—
Benzoic acid	350 U	370 U	340 U	340 U	340 U	340 U	350 U	340 U		31000000
Total Carcinogenic PAHs	86	0	0	0	0	0	0	0		10000
Total PAH	243	0	0	0	0	0	0	0		100000
Total Confident Conc. SVOC (s)	652	72	43	98	ND	59	149	65		500000

**Qualifiers**

U- The compound was not detected at the indicated concentration.

J- Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

D- This qualifier identifies all compounds identified in an analysis at a secondary dilution factor

**Notes**

Result exceeds Comparison Value for Areas of Concern

— Not established

SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Paint Mixing Room				Material Stock Room		Five Former Machine Pits	Comparison Value for Areas of Concern
Sample ID	I17 B01 1-3'	I17 B01 3-5'	I17 B02 1-3'	I17 B02 3-5'	I19 B01 1-3'	I19 B01 3-5'	I21 B01 2-4'	
Sample Depth (ft)	1-3	3-5	1-3	3-5	1-3	3-5	2-4	
Sampling Date	09/26/00	09/26/00	09/26/00	09/26/00	09/28/00	09/28/00	10/04/00	
Matrix	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	51 J	340 U	360 U	340 U	350 U	37 J	340 U	4700000
2-Chlorophenol	430 U	340 U	360 U	340 U	350 U	350 U	340 U	390000
2-Nitrophenol	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
2,4-Dimethylphenol	430 U	340 U	360 U	340 U	350 U	350 U	340 U	1600000
2,4-Dichlorophenol	430 U	340 U	360 U	340 U	350 U	350 U	340 U	230000
4-Chloro-3-methylphenol	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
2,4,6-Trichlorophenol	430 U	340 U	360 U	340 U	350 U	350 U	340 U	58000
2,4-Dinitrophenol	430 U	340 U	360 U	340 U	350 U	350 U	340 U	160000
4-Nitrophenol	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
4,6-Dinitro-2-methylphenol	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
Pentachlorophenol	430 U	340 U	360 U	340 U	350 U	350 U	340 U	3000
bis(2-Chloromethyl)ether	430 U	340 U	360 U	340 U	350 U	350 U	340 U	600
1,3-Dichlorobenzene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
1,4-Dichlorobenzene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	27000
1,2-Dichlorobenzene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	7000000
N-Nitroso-di-n-propylamine	430 U	340 U	360 U	340 U	350 U	350 U	340 U	90
Hexachloroethane	430 U	340 U	360 U	340 U	350 U	350 U	340 U	46000
Nitrobenzene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	39000
Isophorone	430 U	340 U	360 U	340 U	350 U	350 U	340 U	670000
bis(2-Chloroethoxy)methane	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
1,2,4-Trichlorobenzene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	780000
Naphthalene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	3100000
Hexachlorobutadiene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	8000
Hexachlorocyclopentadiene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	550000
2-Chloronaphthalene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
Dimethylphthalate	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
Acenaphthylene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
2,6-Dinitrotoluene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	900
Acenaphthene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	4700000
2,4-Dinitrotoluene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	900
Diethylphthalate	430 U	340 U	360 U	340 U	350 U	350 U	340 U	63000000
4-Chlorophenyl-phenylether	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
Fluorene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	3100000
N-Nitrosodiphenylamine	430 U	340 U	360 U	340 U	350 U	350 U	340 U	130000
4-Bromophenyl-phenylether	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
Hexachlorobenzene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	400
Phenanthrene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
Anthracene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	23000000
Di-n-butylphthalate	90 J	100 J	55 J	67 J	39 J	47 J	100 J	7800000
Fluoranthene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	3100000
Pyrene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	2300000
Butylbenzylphthalate	430 U	340 U	360 U	340 U	350 U	350 U	340 U	16000000
3,3'-Dichlorobenzidine	430 U	340 U	360 U	340 U	350 U	350 U	340 U	1000
Benzo(a)anthracene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	900
Chrysene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	88000
bis(2-Ethylhexyl)phthalate	430 U	340 U	360 U	340 U	350 U	350 U	340 U	46000
Di-n-octyl phthalate	430 U	340 U	360 U	340 U	350 U	350 U	340 U	16000000
Benzo(b)fluoranthene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	900
Benzo(k)fluoranthene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	9000
Benzo(a)pyrene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	90
Indeno(1,2,3-cd)pyrene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	900
Dibenzo(a,h)anthracene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	90
Benzo(g,h,i)perylene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
2,4,5-Trichlorophenol	430 U	340 U	360 U	340 U	350 U	350 U	340 U	7800000
2-Methylphenol	430 U	340 U	360 U	340 U	350 U	350 U	680 U	3900000
3+4-Methylphenols	850 U	690 U	720 U	680 U	690 U	710 U	340 U	—
Benzyl Alcohol	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
2,2'-oxybis(1-Chloropropane)	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
4-Chloroaniline	430 U	340 U	360 U	340 U	350 U	350 U	340 U	310000
2-Methylnaphthalene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
4-Nitroaniline	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
2-Nitroaniline	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
3-Nitroaniline	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
Dibenzofuran	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
Azobenzene	430 U	340 U	360 U	340 U	350 U	350 U	340 U	—
Benzoic acid	430 U	340 U	360 U	340 U	350 U	350 U	340 U	31000000
Total Carcinogenic PAHs	0	0	0	0	0	0	0	10000
Total PAH	0	0	0	0	0	0	0	100000
Total Confident Conc. SVOC (s)	141	100	55	67	39	84	100	500000

**Qualifiers**

U The compound was not detected at the indicated concentration

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

D This qualifier identifies all compounds identified in an analysis at a secondary dilution factor

**Notes**

Result exceeds Comparison Value for Areas of Concern

— Not established

Table C-3  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Five Former Machine Pits									Comparison Value for Areas of Concern
	121 B01 4-6	121 B02 1-3'	121 B02 3-5'	121 B03 5-7	121 B03 7-9	121 B04 1-3	121 B04 3-5	121 B05 1-3'		
Sample ID	4-6	1-3	3-5	5-7	7-9	1-3	3-5	1-3		
Sample Depth (ft)	10/04/00	10/03/00	10/03/00	10/04/00	10/04/00	10/04/00	10/04/00	10/03/00		
Sampling Date	S	S	S	S	S	S	S	S		
Matrix	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Dilution Factor	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		
Units										
Phenol	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	4700000	
2-Chlorophenol	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	390000	
2-Nitrophenol	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	---	
2,4-Dimethylphenol	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	1600000	
2,4-Dichlorophenol	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	230000	
4-Chloro-3-methylphenol	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	---	
2,4,6-Trichlorophenol	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	58000	
2,4-Dinitrophenol	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	180000	
4-Nitrophenol	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	---	
4,6-Dinitro-2-methylphenol	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	---	
Pentachlorophenol	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	3000	
bis(2-Chloroethoxy)ether	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	600	
1,3-Dichlorobenzene	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	---	
1,4-Dichlorobenzene	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	27000	
1,2-Dichlorobenzene	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	7000000	
N-Nitroso-di-n-propylamine	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	90	
Hexachloroethane	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	48000	
Nitrobenzene	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	39000	
Isophorone	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	670000	
bis(2-Chloroethoxy)methane	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	---	
1,2,4-Trichlorobenzene	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	780000	
Naphthalene	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	3100000	
Hexachlorobutadiene	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	8000	
Hexachlorocyclopentadiene	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	550000	
2-Chloronaphthalene	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	---	
Dimethylphthalate	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	---	
Acanaphthylene	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	---	
2,6-Dinitrotoluene	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	900	
Acanaphthene	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	4700000	
2,4-Dinitrotoluene	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	900	
Diethylphthalate	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	63000000	
4-Chlorophenyl-phenylether	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	---	
Fluorene	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	3100000	
N-Nitrosodiphenylamine	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	130000	
4-Bromophenyl-phenylether	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	---	
Hexachlorobenzene	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	400	
Phenanthrene	380 U	340 U	50 J	140 J	350 U	380 U	350 U	410 U	---	
Anthracene	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	23000000	
Di-n-butylphthalate	44 J	280 J	980	71 J	61 J	380 U	58 J	64 J	7800000	
Fluoranthene	380 U	39 J	64 J	130 J	350 U	380 U	350 U	410 U	3100000	
Pyrene	380 U	340 U	63 J	130 J	350 U	380 U	350 U	410 U	2300000	
Butylbenzylphthalate	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	18000000	
3,3'-Dichlorobenzidine	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	1000	
Benzo(a)anthracene	380 U	340 U	350 U	58 J	350 U	380 U	350 U	410 U	900	
Chrysene	380 U	340 U	50 J	55 J	350 U	380 U	350 U	410 U	88000	
bis(2-Ethylhexyl)phthalate	380 U	44 J	350 U	370 U	65 J	380 U	350 U	91 J	48000	
Di-n-octyl phthalate	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	16000000	
Benzo(b)fluoranthene	380 U	340 U	53 J	38 J	350 U	380 U	350 U	410 U	900	
Benzo(k)fluoranthene	380 U	340 U	62 J	46 J	350 U	380 U	350 U	410 U	9000	
Benzo(a)pyrene	380 U	340 U	350 U	45 J	350 U	380 U	350 U	410 U	90	
Indeno(1,2,3-cd)pyrene	380 U	340 U	41 J	370 U	350 U	380 U	350 U	410 U	900	
Dibenzo(a,h)anthracene	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	90	
Benzo(g,h,i)perylene	380 U	340 U	80 J	370 U	350 U	380 U	350 U	410 U	---	
2,4,5-Trichlorophenol	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	7800000	
2-Methylphenol	760 U	690 U	690 U	750 U	690 U	780 U	350 U	810 U	3900000	
3+4-Methylphenols	380 U	340 U	350 U	370 U	350 U	380 U	700 U	410 U	---	
Benzyl Alcohol	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	---	
2,2'-oxybis(1-Chloropropane)	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	---	
4-Chloroaniline	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	310000	
2-Methylnaphthalene	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	---	
4-Nitroaniline	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	---	
2-Nitroaniline	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	---	
3-Nitroaniline	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	---	
Dibenzofuran	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	---	
Azobenzene	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	---	
Benzoic acid	380 U	340 U	350 U	370 U	350 U	380 U	350 U	410 U	31000000	
Total Carcinogenic PAHs	0	0	208	242	0	0	0	0	10000	
Total PAH	0	83	443	642	0	0	0	0	100000	
Total Confident Conc. SVOC (s)	44	343	1423	713	128	ND	56	155	500000	

#### Qualifiers

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

D: This qualifier identifies all compounds identified in an analysis at a secondary dilution factor

#### Notes

Result exceeds Comparison Value for Areas of Concern

Not established

SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Five Former Machine Pits	Pump Station "B"			Hallway Adjacent to Former Alodine Room				Air Handling Unit Room	Comparison Value for Areas of Concern
Sample ID	121 B05 3-5'	123 B01 0-2'	123 B01 2-4'	126 B01 1-3'	126 B01 3-5'	126 B02 1.5-3.5'	126 B02 3.5-5.5'	128 B01 2-4'		
Sample Depth (ft)	3-5	0-2	2-4	1-3	3-5	1.5-3.5	3.5-5.5	2-4		
Sampling Date	10/03/00	10/18/00	10/18/00	09/22/00	09/22/00	09/22/00	09/22/00	09/28/00		
Matrix	S	S	S	S	S	S	S	S		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg
Phenol	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		47000000
2-Chlorophenol	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		3900000
2-Nitrophenol	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		1600000
2,4-Dimethylphenol	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		230000
2,4-Dichlorophenol	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		58000
4-Chloro-3-methylphenol	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		160000
2,4,6-Trichlorophenol	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
2,4-Dinitrophenol	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
4-Nitrophenol	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
4,6-Dinitro-2-methylphenol	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		3000
Pentachlorophenol	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		600
bis(2-Chloromethyl)ether	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
1,3-Dichlorobenzene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		27000
1,4-Dichlorobenzene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		7000000
1,2-Dichlorobenzene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		90
N-Nitroso-di-n-propylamine	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		48000
Hexachloroethane	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		39000
Nitrobenzene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		670000
Isophorone	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
bis(2-Chloroethoxy)methane	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
1,2,4-Trichlorobenzene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		780000
Naphthalene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		3100000
Hexachlorobutadiene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		8000
Hexachlorocyclopentadiene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		550000
2-Chloronaphthalene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
Dimethylphthalate	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
Acenaphthylene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
2,6-Dinitrotoluene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		900
Acenaphthene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		4700000
2,4-Dinitrotoluene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		900
Diethylphthalate	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		63000000
4-Chlorophenyl-phenylether	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
Fluorene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
N-Nitrosodiphenylamine	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		3100000
4-Bromophenyl-phenylether	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		130000
Hexachlorobenzene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
Phenanthrene	37 J	340 U	340 U	400 U	350 U	350 U	340 U	380 U		400
Anthracene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	40 J		---
Di-n-butylphthalate	40 J	220 J	120 J	93 J	100 J	41 J	50 J	380 U		23000000
Fluoranthene	39 J	340 U	340 U	400 U	350 U	350 U	340 U	41 J		3100000
Pyrene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		2300000
Butylbenzylphthalate	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		16000000
3,3'-Dichlorobenzidine	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		1000
Benzo(a)anthracene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		900
Chrysene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		88000
bis(2-Ethylhexyl)phthalate	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		46000
Di-n-octyl phthalate	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		16000000
Benzo(b)fluoranthene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		900
Benzo(k)fluoranthene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		9000
Benzo(a)pyrene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		90
Indeno(1,2,3-cd)pyrene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		900
Dibenzo(a,h)anthracene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		90
Benzo(g,h,i)perylene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
2,4,5-Trichlorophenol	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		7800000
2-Methylphenol	720 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		3900000
3+4-Methylphenols	360 U	880 U	880 U	780 U	700 U	700 U	690 U	770 U		---
Benzyl Alcohol	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
2,2'-oxybis(1-Chloropropane)	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
4-Chloroaniline	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		310000
2-Methylnaphthalene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
4-Nitroaniline	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
2-Nitroaniline	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
3-Nitroaniline	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
Dibenzofuran	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
Azobenzene	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		---
Benzoic acid	360 U	340 U	340 U	400 U	350 U	350 U	340 U	380 U		31000000
Total Carcinogenic PAHs	0	0	0	0	0	0	0	0		10000
Total PAH	78	0	0	0	0	0	0	81		100000
Total Confident Conc. SVOC (s)	116	220	120	93	100	41	50	81		500000

**Qualifiers**

U: The compound was not detected at the indicated concentration

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

D: This qualifier identifies all compounds identified in an analysis at a secondary dilution factor

**Notes**

☐ Result exceeds Comparison Value for Areas of Concern

— Not established

Table C-3  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMI-VOLATILE ORGANIC COMPOUNDS

Sample Location	Air Handling Unit Room	Former Storage Building							Comparison Value
Sample ID	128 B01 4-6	130 B01 1-3	130 B01 3-5	130 B02 1-3	130 B02 3-5	130 B03 1-3	130 B03 3-5	130B03N8 1-3	for Areas of Concern
Sample Depth (ft)	4-6	1-3	3-5	1-3	3-5	1-3	3-5	1-3	
Sampling Date	09/28/00	09/19/00	09/19/00	09/19/00	09/19/00	09/18/00	09/18/00	12/20/2000	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	48 J	410 U	370 U	370 U	350 U	350 U	340 U	360 U	47000000
2-Chlorophenol	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	390000
2-Nitrophenol	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	---
2,4-Dimethylphenol	340 U	410 U	370 U	370 U	350 U	92 J	340 U	360 U	1600000
2,4-Dichlorophenol	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	230000
4-Chloro-3-methylphenol	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	---
2,4,6-Trichlorophenol	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	58000
2,4-Dinitrophenol	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	160000
4-Nitrophenol	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	---
4,6-Dinitro-2-methylphenol	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	---
Pentachlorophenol	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	3000
bis(2-Chloroethoxy)ether	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	600
1,3-Dichlorobenzene	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	---
1,4-Dichlorobenzene	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	27000
1,2-Dichlorobenzene	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	7000000
N-Nitroso-di-n-propylamine	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	90
Hexachloroethane	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	48000
Nitrobenzene	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	39000
Isophorone	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	670000
bis(2-Chloroethoxy)methane	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	---
1,2,4-Trichlorobenzene	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	780000
Naphthalene	360	410 U	370 U	370 U	350 U	2800	49 J	360 U	3100000
Hexachlorobutadiene	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	8000
Hexachlorocyclopentadiene	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	550000
2-Chloronaphthalene	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	---
Dimethylphthalate	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	---
Acenaphthylene	340 U	410 U	370 U	370 U	350 U	230 J	340 U	360 U	---
2,6-Dinitrotoluene	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	900
Acenaphthene	330 J	410 U	370 U	370 U	350 U	2500	280 J	360 U	4700000
2,4-Dinitrotoluene	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	900
Diethylphthalate	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	63000000
4-Chlorophenyl-phenylether	340 U	410 U	370 U	370 U	350 U	350 U	98 J	360 U	---
Fluorene	320 J	410 U	370 U	370 U	350 U	350 U	340 U	360 U	---
N-Nitrosodiphenylamine	340 U	410 U	370 U	370 U	350 U	5400 D	340 J	360 U	3100000
4-Bromophenyl-phenylether	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	130000
Hexachlorobenzene	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	---
Phenanthrene	6800 D	110 J	370 U	42 J	350 U	28000 D	1900	360 U	400
Anthracene	590	410 U	370 U	370 U	350 U	9800 D	640	360 U	23000000
Di-n-butylphthalate	66 J	56 J	59 J	42 J	81 J	180 J	120 J	360 U	7800000
Fluoranthene	5600 D	120 J	370 U	44 J	350 U	27000 D	2300	360 U	3100000
Pyrene	3700 D	62 J	370 U	370 U	350 U	21000 D	2200	360 U	2300000
Butylbenzylphthalate	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	16000000
3,3'-Dichlorobenzidine	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	1000
Benzo(a)anthracene	1780	45 J	370 U	370 U	350 U	18000 D	1800	360 U	900
Chrysene	1900	43 J	370 U	370 U	350 U	17000 D	1600	360 U	88000
bis(2-Ethylhexyl)phthalate	58 J	410 U	370 U	370 U	350 U	350 U	93 J	360 U	48000
Di-n-octyl phthalate	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	16000000
Benzo(b)fluoranthene	1900	410 U	370 U	370 U	350 U	13000 D	1800	360 U	900
Benzo(k)fluoranthene	1300	410 U	370 U	370 U	350 U	18000 D	640	360 U	9000
Benzo(a)pyrene	1280	410 U	370 U	370 U	350 U	15000 D	1400	360 U	90
Indeno(1,2,3-cd)pyrene	350	410 U	370 U	370 U	350 U	4000 D	480	360 U	900
Dibenzo(a,h)anthracene	118 J	410 U	370 U	370 U	350 U	630	58 J	360 U	90
Benzo(g,h,i)perylene	510	410 U	370 U	370 U	350 U	4800 D	500	360 U	---
2,4,5-Trichlorophenol	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	7800000
2-Methylphenol	340 U	410 U	370 U	370 U	350 U	53 J	340 U	360 U	3900000
3+4-Methylphenols	680 U	810 U	750 U	730 U	700 U	150 J	690 U	720 U	---
Benzyl Alcohol	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	---
2,2'-oxybis(1-Chloropropane)	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	---
4-Chloroaniline	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	310000
2-Methylnaphthalene	98 J	410 U	370 U	370 U	350 U	1600	340 U	360 U	---
4-Nitroaniline	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	---
2-Nitroaniline	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	---
3-Nitroaniline	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	---
Dibenzofuran	470	410 U	370 U	370 U	350 U	2200	170 J	360 U	---
Azobenzene	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	---
Benzoic acid	340 U	410 U	370 U	370 U	350 U	350 U	340 U	360 U	31000000
Total Carcinogenic PAHs	8100	88	0	0	0	83825	6378	ND	10000
Total PAH	26468	380	0	88	0	184125	16757	ND	100000
Total Confident Conc. SVOC (s)	26748	436	59	128	81	189625	17039	ND	500000

#### Qualifiers

J The compound was not detected at the indicated concentration.

U Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

D This qualifier identifies all compounds identified in an analysis at a secondary dilution factor

#### Notes

Result exceeds Comparison Value for Areas of Concern

Not established



SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Storage Building								Comparison Value for Areas of Concern
Sample ID	130B03N8 3-5	130B03S8 1-3	130B03S8 3-5	130B03S12 0-2	130B03S12 4-6	130B03S12 8-10	130B03W8 1-3	130B03W8 3-5	
Sample Depth (ft)	3-5	1-3	3-5	0-2	4-6	8-10	1-3	3-5	
Sampling Date	12/20/2000	12/20/2000	12/20/2000	01/04/01	12/28/00	01/04/01	12/20/2000	12/20/2000	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	10	10	10	10	10	10	10	10	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	47000000
2-Chlorophenol	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	390000
2-Nitrophenol	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	---
2,4-Dimethylphenol	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	1600000
2,4-Dichlorophenol	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	230000
4-Chloro-3-methylphenol	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	---
2,4,6-Trichlorophenol	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	58000
2,4-Dinitrophenol	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	160000
4-Nitrophenol	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	---
4,6-Dinitro-2-methylphenol	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	---
Pentachlorophenol	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	3000
bis(2-Chloroethoxy)ether	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	600
1,3-Dichlorobenzene	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	---
1,4-Dichlorobenzene	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	27000
1,2-Dichlorobenzene	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	7000000
N-Nitroso-di-n-propylamine	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	90
Hexachloroethane	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	48000
Nitrobenzene	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	39000
Isophorone	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	670000
bis(2-Chloroethoxy)methane	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	---
1,2,4-Trichlorobenzene	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	780000
Naphthalene	380 U	7000 D	340 U	87 J	340 U	330 U	370 U	350 U	3100000
Hexachlorobutadiene	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	8000
Hexachlorocyclopentadiene	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	550000
2-Chloronaphthalene	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	---
Dimethylphthalate	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	---
Acenaphthylene	380 U	400	340 U	380 U	340 U	330 U	370 U	350 U	---
2,6-Dinitrotoluene	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	900
Acenaphthene	380 U	11000 D	340 U	160 J	340 U	330 U	370 U	350 U	4700000
2,4-Dinitrotoluene	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	900
Diethylphthalate	380 U	370 U	340 U	380 U	340 U	330 U	40 J	350 U	63000000
4-Chlorophenyl-phenylether	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	---
Fluorene	380 U	13000 D	340 U	140 J	340 U	330 U	370 U	350 U	---
N-Nitrosodiphenylamine	380 U	370 U	340 U	380 U	340 U	330 U	64 J	350 U	3100000
4-Bromophenyl-phenylether	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	130000
Hexachlorobenzene	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	---
Phenanthrene	42 J	81000 D	340 U	1400	340 U	330 U	370 U	350 U	400
Anthracene	380 U	24000 D	340 U	390	340 U	330 U	510	350 U	---
Di-n-butylphthalate	380 U	370 U	340 U	53 J	340 U	330 U	150 J	350 U	23000000
Fluoranthene	48 J	88000 D	340 U	1300	52 J	36 J	370 U	350 U	7800000
Pyrene	380 U	130000 D	340 U	1600	340 U	330 U	680	350 U	3100000
Butylbenzylphthalate	380 U	370 U	340 U	380 U	340 U	330 U	400	350 U	2300000
3,3'-Dichlorobenzidine	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	16000000
Benzo(a)anthracene	380 U	64000 D	340 U	950	340 U	330 U	290 J	350 U	1000
Chrysene	380 U	62000 D	340 U	830	340 U	330 U	310 J	350 U	88000
bis(2-Ethylhexyl)phthalate	53 J	370 U	40 J	380 U	340 U	330 U	44 J	120 J	46000
Di-n-octyl phthalate	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	16000000
Benzo(b)fluoranthene	380 U	58000 D	340 U	830	340 U	330 U	250 J	350 U	900
Benzo(k)fluoranthene	380 U	65000 D	340 U	610	340 U	330 U	290 J	350 U	9000
Benzo(a)pyrene	380 U	58000 D	340 U	710	340 U	330 U	270 J	350 U	90
Indeno(1,2,3-cd)pyrene	380 U	12000 D	340 U	120 J	340 U	330 U	57 J	350 U	900
Dibenzo(a,h)anthracene	380 U	2800	340 U	380 U	340 U	330 U	370 U	350 U	90
Benzo(g,h,i)perylene	380 U	27000 D	340 U	190 J	340 U	330 U	67 J	350 U	---
2,4,5-Trichlorophenol	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	7800000
2-Methylphenol	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	3900000
3+4-Methylphenols	720 U	160 J	680 U	760 U	680 U	670 U	730 U	690 U	---
Benzyl Alcohol	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	---
2,2'-oxybis(1-Chloropropane)	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	---
4-Chloroaniline	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	310000
2-Methylnaphthalene	380 U	2300	340 U	380 U	340 U	330 U	370 U	350 U	---
4-Nitroaniline	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	---
2-Nitroaniline	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	---
3-Nitroaniline	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	---
Dibenzofuran	380 U	7700 D	340 U	83 J	340 U	330 U	370 U	350 U	---
Azobenzene	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	---
Benzoic acid	380 U	370 U	340 U	380 U	340 U	330 U	370 U	350 U	31000000
Total Carcinogenic PAHs	ND	32000 D	ND	4050	ND	ND	1487	ND	10000
Total PAH	90	712300	ND	9400	38	ND	3398	ND	100000
Total Confident Conc. SVOC (s)	143	712460	40	9453	68	36	3482	120	500000

**Qualifiers**

U. The compound was not detected at the indicated concentration.  
J. Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero  
D. This qualifier identifies all compounds identified in an analysis at a secondary dilution factor

**Notes**

Result exceeds Comparison Value for Areas of Concern  
--- Not established

Table C-3  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Storage Building								Comparison Value for Areas of Concern
Sample ID	130B03W12 0-2	130B03W12 4-6	130B03W12 8-10	130B03E8 1-3	130B03E8 3-5	130B03E12 0-2	130B03E12 4-6	130B03E12 8-10	
Sample Depth (ft)	0-2	4-6	8-10	1-3	3-5	0-2	4-6	8-10	
Sampling Date	01/04/01	01/04/01	01/04/01	12/20/2000	12/20/2000	01/04/01	01/04/01	01/04/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	10	10	10	10	10	10	10	10	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	4700000
2-Chlorophenol	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	390000
2-Nitrophenol	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	---
2,4-Dimethylphenol	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	1600000
2,4-Dichlorophenol	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	230000
4-Chloro-3-methylphenol	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	---
2,4,6-Trichlorophenol	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	58000
2,4-Dinitrophenol	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	180000
4-Nitrophenol	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	83 J
4,6-Dinitro-2-methylphenol	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	---
Pentachlorophenol	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	---
bis(2-Chloroethyl)ether	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	3000
1,3-Dichlorobenzene	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	800
1,4-Dichlorobenzene	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	---
1,2-Dichlorobenzene	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	27000
N-Nitroso-di-n-propylamine	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	7000000
Hexachloroethane	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	90
Nitrobenzene	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	48000
Isophorone	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	39000
bis(2-Chloroethoxy)methane	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	670000
1,2,4-Trichlorobenzene	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	---
Naphthalene	46 J	340 U	340 U	340 U	370 U	350 U	380 U	340 U	780000
Hexachlorobutadiene	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	3100000
Hexachlorocyclopentadiene	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	8000
2-Chloronaphthalene	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	550000
Dimethylphthalate	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	---
Acenaphthylene	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	---
2,8-Dinitrotoluene	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	---
Acenaphthene	120 J	340 U	340 U	340 U	370 U	350 U	380 U	340 U	900
2,4-Dinitrotoluene	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	4700000
Diethylphthalate	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	900
4-Chlorophenyl-phenylether	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	63000000
Fluorene	110 J	340 U	340 U	340 U	370 U	350 U	380 U	340 U	---
N-Nitrosodiphenylamine	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	190 J
4-Bromophenyl-phenylether	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	3100000
Hexachlorobenzene	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	130000
Phenanthrene	1300	240 J	340 U	340 U	370 U	350 U	380 U	340 U	---
Anthracene	290 J	48 J	340 U	340 U	370 U	350 U	380 U	340 U	400
Di-n-butylphthalate	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	1800
Fluoranthene	1300	280 J	340 U	340 U	370 U	350 U	380 U	340 U	23000000
Pyrene	1100	280 J	340 U	340 U	370 U	350 U	380 U	340 U	7800000
Butylbenzylphthalate	70 J	340 U	340 U	340 U	370 U	350 U	380 U	340 U	3100000
3,3'-Dichlorobenzidine	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	2300000
Benzo(a)anthracene	990	110 J	340 U	340 U	370 U	350 U	380 U	340 U	16000000
Chrysene	540	82 J	340 U	340 U	370 U	350 U	380 U	340 U	1000
bis(2-Ethylhexyl)phthalate	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	900
Di-n-octyl phthalate	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	88000
Benzo(b)fluoranthene	650	100 J	340 U	340 U	370 U	350 U	380 U	340 U	48000
Benzo(k)fluoranthene	260 J	53 J	340 U	340 U	370 U	350 U	380 U	340 U	16000000
Benzo(a)pyrene	330 J	53 J	340 U	340 U	370 U	350 U	380 U	340 U	600
Indeno(1,2,3-cd)pyrene	64 J	340 U	340 U	340 U	370 U	350 U	380 U	340 U	9000
Dibenzo(a,h)anthracene	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	430
Benzo(g,h,i)perylene	110 J	340 U	340 U	340 U	370 U	350 U	380 U	340 U	90
2,4,5-Trichlorophenol	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	90
2-Methylphenol	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	150 J
3+4-Methylphenols	740 U	670 U	340 U	340 U	370 U	350 U	380 U	340 U	7800000
Benzyl Alcohol	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	3900000
2,2'-oxybis(1-Chloropropane)	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	---
4-Chloroaniline	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	---
2-Methylnaphthalene	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	---
4-Nitroaniline	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	310000
2-Nitroaniline	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	---
3-Nitroaniline	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	---
Dibenzofuran	63 J	340 U	340 U	340 U	370 U	350 U	380 U	340 U	---
Azobenzene	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	---
Benzic acid	370 U	340 U	340 U	340 U	370 U	350 U	380 U	340 U	110 J
Total Carcinogenic PAHs	2454	396	ND	23330	ND	1771	ND	2855	31000000
Total PAH	6963	1226	ND	59566	ND	6201	95	8546	100000
Total Confident Conc. SVOC (s)	6963	1226	50	59823	ND	6301	179	8802	500000

#### Qualifiers

U The compound was not detected at the indicated concentration.

J Data indicate the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

D This qualifier identifies all compounds identified in an analysis at a secondary dilution factor

#### Notes

Result exceeds Comparison Value for Areas of Concern

Not established

SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Storage Building								Comparison Value for Areas of Concern
Sample ID	130 B04 1-3	130 B04 3-5	130 B05 6-8	130 B05 8-10	130 B06 1-3	130 B06 3-5	130 B07 0-2	130 B07 2-4	
Sample Depth (ft)	1-3	3-5	6-8	8-10	1-3	3-5	0-2	2-4	
Sampling Date	09/19/00	09/19/00	10/03/00	10/03/00	09/18/00	09/18/00	10/17/00	10/17/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	47000000
2-Chlorophenol	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	3900000
2-Nitrophenol	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	---
2,4-Dimethylphenol	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	16000000
2,4-Dichlorophenol	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	2300000
4-Chloro-3-methylphenol	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	---
2,4,6-Trichlorophenol	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	58000
2,4-Dinitrophenol	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	1600000
4-Nitrophenol	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	---
4,6-Dinitro-2-methylphenol	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	---
Pentachlorophenol	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	3000
bis(2-Chloroethoxy)ether	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	600
1,3-Dichlorobenzene	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	---
1,4-Dichlorobenzene	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	27000
1,2-Dichlorobenzene	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	7000000
N-Nitroso-di-n-propylamine	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	90
Hexachloroethane	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	48000
Nitrobenzene	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	39000
Isophorone	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	670000
bis(2-Chloroethoxy)methane	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	---
1,2,4-Trichlorobenzene	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	760000
Naphthalene	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	3100000
Hexachlorobutadiene	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	8000
Hexachlorocyclopentadiene	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	5500000
2-Chloronaphthalene	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	---
Dimethylphthalate	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	---
Acenaphthylene	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	---
2,6-Dinitrotoluene	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	900
Acenaphthene	350 U	350 U	340 U	340 U	410 U	390 U	97 J	350 U	4700000
2,4-Dinitrotoluene	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	900
Diethylphthalate	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	63000000
4-Chlorophenyl-phenylether	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	---
Fluorene	350 U	350 U	340 U	340 U	410 U	390 U	78 J	350 U	3100000
N-Nitrosodiphenylamine	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	130000
4-Bromophenyl-phenylether	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	---
Hexachlorobenzene	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	400
Phenanthrene	330 J	350 U	340 U	150 J	240 J	390 U	640	350 U	---
Anthracene	50 J	350 U	340 U	340 U	84 J	390 U	130 J	350 U	23000000
Di-n-butylphthalate	65 J	71 J	52 J	68 J	57 J	48 J	60 J	350 U	7800000
Fluoranthene	330 J	350 U	340 U	110 J	270 J	390 U	700	350 U	3100000
Pyrene	200 J	350 U	340 U	61 J	170 J	390 U	460	350 U	2300000
Butylbenzylphthalate	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	16000000
3,3'-Dichlorobenzidine	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	1000
Benzo(a)anthracene	140 J	350 U	340 U	340 U	130 J	390 U	280 J	350 U	900
Chrysene	150 J	350 U	340 U	340 U	130 J	390 U	300 J	350 U	88000
bis(2-Ethylhexyl)phthalate	350 U	350 U	340 U	340 U	44 J	44 J	360 U	350 U	46000
Di-n-octyl phthalate	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	16000000
Benzo(b)fluoranthene	90 J	350 U	340 U	340 U	73 J	390 U	230 J	350 U	900
Benzo(k)fluoranthene	120 J	350 U	340 U	340 U	120 J	390 U	230 J	350 U	9000
Benzo(a)pyrene	100 J	350 U	340 U	340 U	99 J	390 U	230 J	350 U	90
Indeno(1,2,3-cd)pyrene	51 J	350 U	340 U	340 U	42 J	390 U	92 J	350 U	900
Dibenzo(a,h)anthracene	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	90
Benzo(g,h,i)perylene	56 J	350 U	340 U	340 U	47 J	390 U	120 J	350 U	---
2,4,5-Trichlorophenol	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	7800000
2-Methylphenol	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	3900000
3+4-Methylphenols	710 U	690 U	680 U	690 U	410 U	390 U	720 U	690 U	---
Benzyl Alcohol	350 U	350 U	340 U	340 U	810 U	780 U	360 U	350 U	---
2,2'-oxybis(1-Chloropropane)	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	---
4-Chloroaniline	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	310000
2-Methylnaphthalene	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	---
4-Nitroaniline	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	---
2-Nitroaniline	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	---
3-Nitroaniline	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	---
Dibenzofuran	350 U	350 U	340 U	340 U	410 U	390 U	39 J	350 U	---
Azobenzene	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	---
Benzoic acid	350 U	350 U	340 U	340 U	410 U	390 U	360 U	350 U	31000000
Total Carcinogenic PAHs	651	0	0	0	594	0	1362	0	10000
Total PAH	1617	0	0	321	1385	0	3451	0	100000
Total Confident Conc. SVOC (s)	1682	71	52	369	1486	92	3686	60	500000

**Qualifiers**

U The compound was not detected at the indicated concentration

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

D This qualifier identifies all compounds identified in an analysis at a secondary dilution factor

**Notes**

Result exceeds Comparison Value for Areas of Concern

Not established

Table C-3  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Refrigeration/AC Room				Hangar 1				Comparison Value for Areas of Concern
Sample ID	131 B01 1-3	131 B01 3-5	131 B02 2-4	131 B02 4-6	132 B01 1-3	132 B01 3-5	132 B02 1-3	132 B02 3-5	
Sample Depth (ft)	05	2-4	2-4	4-6	1-3	3-5	1-3	3-5	
Sampling Date	09/18/00	09/18/00	09/18/00	09/18/00	09/19/00	09/19/00	09/19/00	09/19/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	47000000
2-Chlorophenol	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	390000
2-Nitrophenol	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	—
2,4-Dimethylphenol	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	18000000
2,4-Dichlorophenol	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	2300000
4-Chloro-3-methylphenol	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	—
2,4,6-Trichlorophenol	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	58000
2,4-Dinitrophenol	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	160000
4-Nitrophenol	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	—
4,6-Dinitro-2-methylphenol	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	—
Pentachlorophenol	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	3000
bis(2-Chloroethyl)ether	340 U	360 U	360 U	360 U	400 U	370 U	66 J	120 J	600
1,3-Dichlorobenzene	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	—
1,4-Dichlorobenzene	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	27000
1,2-Dichlorobenzene	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	7000000
N-Nitroso-di-n-propylamine	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	90
Hexachloroethane	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	48000
Nitrobenzene	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	39000
Isophorone	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	670000
bis(2-Chloroethoxy)methane	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	—
1,2,4-Trichlorobenzene	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	780000
Naphthalene	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	57 J
Hexachlorobutadiene	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	8000
Hexachlorocyclopentadiene	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	550000
2-Chloronaphthalene	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	—
Dimethylphthalate	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	—
Acenaphthylene	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	—
2,8-Dinitrotoluene	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	900
Acenaphthene	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	4700000
2,4-Dinitrotoluene	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	900
Diethylphthalate	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	63000000
4-Chlorophenyl-phenylether	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	—
Fluorene	340 U	360 U	360 U	360 U	400 U	370 U	370 U	140 J	3100000
N-Nitrosodiphenylamine	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	130000
4-Bromophenyl-phenylether	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	—
Hexachlorobenzene	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	400
Phenanthrene	340 U	360 U	42 J	360 U	400 U	150 J	180 J	730	—
Anthracene	340 U	360 U	360 U	360 U	400 U	45 J	42 J	220 J	23000000
Di-n-butylphthalate	76 J	66 J	89 J	71 J	89 J	83 J	63 J	66 J	7800000
Fluoranthene	340 U	360 U	86 J	360 U	400 U	180 J	180 J	750	3100000
Pyrene	340 U	360 U	64 J	360 U	400 U	100 J	96 J	520	2300000
Butylbenzylphthalate	340 U	360 U	460	360 U	400 U	370 U	370 U	370 U	16000000
3,3'-Dichlorobenzidine	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	1000
Benzo(a)anthracene	340 U	360 U	45 J	360 U	400 U	77 J	70 J	360 J	900
Chrysene	340 U	360 U	53 J	360 U	400 U	77 J	66 J	360 J	88000
bis(2-Ethylhexyl)phthalate	110 J	200 J	250 J	65 J	400 U	370 U	370 U	370 U	46000
Di-n-octyl phthalate	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	16000000
Benzo(b)fluoranthene	340 U	360 U	46 J	360 U	400 U	56 J	49 J	270 J	900
Benzo(k)fluoranthene	340 U	360 U	60 J	360 U	400 U	62 J	54 J	320 J	9000
Benzo(a)pyrene	340 U	360 U	46 J	360 U	400 U	65 J	59 J	330 J	90
Indeno(1,2,3-cd)pyrene	340 U	360 U	360 U	360 U	400 U	41 J	370 U	140 J	900
Dibenzo(a,h)anthracene	340 U	360 U	360 U	360 U	400 U	370 U	370 U	56 J	90
Benzo(g,h,i)perylene	340 U	360 U	360 U	360 U	400 U	370 U	370 U	200 J	—
2,4,5-Trichlorophenol	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	7800000
2-Methylphenol	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	3600000
3+4-Methylphenols	340 U	360 U	360 U	360 U	800 U	740 U	730 U	750 U	—
Benzyl Alcohol	670 U	720 U	720 U	760 U	400 U	370 U	370 U	370 U	—
2,2'-oxybis(1-Chloropropane)	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	—
4-Chloroaniline	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	310000
2-Methylnaphthalene	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	59 J
4-Nitroaniline	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	—
2-Nitroaniline	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	—
3-Nitroaniline	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	—
Dibenzofuran	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	63 J
Azobenzene	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	—
Benzic acid	340 U	360 U	360 U	360 U	400 U	370 U	370 U	370 U	31000000
Total Carcinogenic PAHs	0	0	250	0	0	378	301	1836	10000
Total PAH	0	0	442	0	0	653	762	4674	100000
Total Confident Conc. SVOC (s)	188	269	1241	136	89	936	921	4960	500000

#### Qualifiers

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

O: This qualifier identifies all compounds identified in an analysis at a secondary dilution factor

#### Notes

Result exceeds Comparison Value for Areas of Concern

Not established

C-3  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Hangar 1				Storage Area in Office Area East of Hangar 2		"Old" Ejection Pits		Comparison Value
Sample ID	132 B03 1-3	132 B03 3-5	132 B04 1-3	132 B04 3-5	133 B01 1-3	133 B01 3-5	134 B01 4-6	134 B01 6-8	for Areas of Concern
Sample Depth (ft)	1-3	3-5	1-3	3-5	1-3	3-5	4-6	6-8	
Sampling Date	09/20/00	09/20/00	09/20/00	09/20/00	09/28/00	09/28/00	09/29/00	09/29/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	47000000
2-Chlorophenol	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	3900000
2-Nitrophenol	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	---
2,4-Dimethylphenol	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	1600000
2,4-Dichlorophenol	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	2300000
4-Chloro-3-methylphenol	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	---
2,4,6-Trichlorophenol	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	58000
2,4-Dinitrophenol	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	1600000
4-Nitrophenol	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	---
4,6-Dinitro-2-methylphenol	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	---
Pentachlorophenol	370 U	150 J	360 U	130 J	350 U	350 U	410 U	340 U	3000
bis(2-Chloroethyl)ether	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	600
1,3-Dichlorobenzene	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	---
1,4-Dichlorobenzene	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	27000
1,2-Dichlorobenzene	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	7000000
N-Nitroso-di-n-propylamine	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	90
Hexachloroethane	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	48000
Nitrobenzene	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	39000
Isophorone	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	670000
bis(2-Chloroethoxy)methane	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	---
1,2,4-Trichlorobenzene	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	780000
Naphthalene	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	3100000
Hexachlorobutadiene	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	8000
Hexachlorocyclopentadiene	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	550000
2-Chloronaphthalene	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	---
Dimethylphthalate	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	---
Acenaphthylene	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	---
2,6-Dinitrotoluene	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	900
Acenaphthene	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	4700000
2,4-Dinitrotoluene	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	900
Diethylphthalate	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	83000000
4-Chlorophenyl-phenylether	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	---
Fluorene	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	3100000
N-Nitrosodiphenylamine	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	130000
4-Bromophenyl-phenylether	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	---
Hexachlorobenzene	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	400
Phenanthrene	370 U	220 J	360 U	180 J	350 U	350 U	140 J	340 U	---
Anthracene	370 U	58 J	360 U	360 U	350 U	350 U	410 U	340 U	23000000
Di-n-butylphthalate	370 U	360 U	42 J	360 U	350 U	72 J	110 J	66 J	7800000
Fluoranthene	370 U	260 J	360 U	220 J	350 U	350 U	130 J	340 U	3100000
Pyrene	370 U	140 J	360 U	120 J	350 U	350 U	72 J	340 U	2300000
Butylbenzylphthalate	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	16000000
3,3'-Dichlorobenzidine	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	1000
Benzo(a)anthracene	370 U	110 J	360 U	94 J	350 U	350 U	43 J	340 U	900
Chrysene	370 U	110 J	360 U	100 J	350 U	350 U	58 J	340 U	88000
bis(2-Ethylhexyl)phthalate	370 U	360 U	360 U	360 U	350 U	64 J	410 U	340 U	48000
Di-n-octyl phthalate	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	16000000
Benzo(b)fluoranthene	370 U	82 J	360 U	71 J	350 U	350 U	410 U	340 U	900
Benzo(k)fluoranthene	370 U	120 J	360 U	110 J	350 U	350 U	54 J	340 U	9000
Benzo(a)pyrene	370 U	100 J	360 U	83 J	350 U	350 U	410 U	340 U	90
Indeno(1,2,3-cd)pyrene	370 U	62 J	360 U	51 J	350 U	350 U	410 U	340 U	900
Dibenzo(a,h)anthracene	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	90
Benzo(g,h,i)perylene	370 U	72 J	360 U	59 J	350 U	350 U	410 U	340 U	---
2,4,5-Trichlorophenol	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	7800000
2-Methylphenol	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	3900000
3+4-Methylphenols	750 U	720 U	780 U	720 U	700 U	700 U	810 U	690 U	---
Benzyl Alcohol	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	---
2,2'-oxybis(1-Chloropropane)	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	---
4-Chloroaniline	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	310000
2-Methylnaphthalene	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	---
4-Nitroaniline	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	---
2-Nitroaniline	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	---
3-Nitroaniline	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	---
Dibenzofuran	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	---
Azobenzene	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	---
Benzoic acid	370 U	360 U	360 U	360 U	350 U	350 U	410 U	340 U	31000000
Total Carcinogenic PAHs	0	584	0	509	0	0	155	0	10000
Total PAH	0	1334	0	1088	0	0	357	0	100000
Total Confident Conc. SVOC (s)	ND	1484	42	1218	ND	136	607	66	500000

**Qualifiers**

U The compound was not detected at the indicated concentration

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

D This qualifier identifies all compounds identified in an analysis at a secondary dilution factor

**Notes**

Result exceeds Comparison Value for Areas of Concern

Not established

Table C-3  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	"Old" Ejection Pits		Former Router Room				Machine Shop (formerly referred to as Former Upholstery Room)		Comparison Value for Areas of Concern
Sample ID	134 B02 2-4	134 B02 4-6	136 B01 1-3	136 B01 3-5	136 B02 1-3	136 B02 3-5	137 B01 1-3	137 B01 3-5	
Sample Depth (ft)	2-4	4-6	1-3	3-5	1-3	3-5	1-3	3-5	
Sampling Date	09/29/00	09/29/00	09/22/00	09/22/00	9/22/00	09/22/00	09/27/00	09/27/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	4700000
2-Chlorophenol	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	390000
2-Nitrophenol	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	—
2,4-Dimethylphenol	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	1800000
2,4-Dichlorophenol	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	230000
4-Chloro-3-methylphenol	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	—
2,4,6-Trichlorophenol	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	58000
2,4-Dinitrophenol	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	160000
4-Nitrophenol	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	—
4,6-Dinitro-2-methylphenol	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	—
Pentachlorophenol	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	3000
bis(2-Chloroethyl)ether	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	600
1,3-Dichlorobenzene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	—
1,4-Dichlorobenzene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	27000
1,2-Dichlorobenzene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	7000000
N-Nitroso-di-n-propylamine	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	90
Hexachloroethane	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	48000
Nitrobenzene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	39000
Isophorone	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	670000
bis(2-Chloroethoxy)methane	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	—
1,2,4-Trichlorobenzene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	780000
Naphthalene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	3100000
Hexachlorobutadiene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	8000
Hexachlorocyclopentadiene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	550000
2-Chloronaphthalene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	—
Dimethylphthalate	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	—
Acenaphthylene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	—
2,6-Dinitrotoluene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	900
Acenaphthene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	4700000
2,4-Dinitrotoluene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	900
Diethylphthalate	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	63000000
4-Chlorophenyl-phenylether	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	—
Fluorene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	3100000
N-Nitrosodiphenylamine	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	130000
4-Bromophenyl-phenylether	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	—
Hexachlorobenzene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	400
Phenanthrene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	110 J	—
Anthracene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	23000000
Di-n-butylphthalate	72 J	340 U	370 U	370 U	370 U	370 U	350 U	100 J	7800000
Fluoranthene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	47 J	3100000
Pyrene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	2300000
Butylbenzylphthalate	400 U	340 U	370 U	370 U	370 U	370 U	350 U	13000 D	16000000
3,3'-Dichlorobenzidine	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	1000
Benzo(a)anthracene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	900
Chrysene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	88000
bis(2-Ethylhexyl)phthalate	400 U	340 U	370 U	370 U	370 U	370 U	350 U	59 J	48000
Di-n-octyl phthalate	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	16000000
Benzo(b)fluoranthene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	900
Benzo(k)fluoranthene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	9000
Benzo(a)pyrene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	90
Indeno(1,2,3-cd)pyrene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	900
Dibenzo(a,h)anthracene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	90
Benzo(g,h,i)perylene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	—
2,4,5-Trichlorophenol	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	7800000
2-Methylphenol	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	3900000
3+4-Methylphenols	800 U	680 U	730 U	730 U	750 U	750 U	690 U	720 U	—
Benzyl Alcohol	400 U	340 U	370 U	220 J	370 U	370 U	350 U	110 J	—
2,2'-oxybis(1-Chloropropane)	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	—
4-Chloroaniline	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	310000
2-Methylnaphthalene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	—
4-Nitroaniline	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	—
2-Nitroaniline	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	—
3-Nitroaniline	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	—
Dibenzofuran	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	—
Azobenzene	400 U	340 U	370 U	370 U	370 U	370 U	350 U	360 U	—
Benzoic acid	400 U	340 U	370 U	370 U	370 U	370 U	55 J	360 U	31000000
Total Carcinogenic PAHs	0	0	0	0	0	0	0	0	10000
Total PAH	0	0	0	0	0	0	0	157	100000
Total Confident Conc. SVOC (s)	72	ND	ND	220	0	650	55	13426	500000

#### Qualifiers

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

D: This qualifier identifies all compounds identified in an analysis at a secondary dilution factor.

#### Notes

Result exceeds Comparison Value for Areas of Concern

— Not established

C-3  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Machine Shop (formerly referred to as Former Upholstery Room)		Boiler Room				Former Facility Maintenance Facility		Comparison Value for Areas of Concern
Sample ID	137 B02 1-3'	137 B02 3-5'	138 B01 1-3'	138 B01 3-5'	138 B02 1-3'	138 B02 3-5'	139 B01 1-3'	139 B01 3-5'	
Sample Depth (R)	1-3	3-5	1-3	3-5	1-3	3-5	1-3	3-5	
Sampling Date	09/27/00	09/27/00	09/28/00	09/28/00	09/28/00	09/28/00	09/19/00	09/19/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0		1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	350 U	360 U	370 U	340 U	62 J	370 U	350 U	340 U	47000000
2-Chlorophenol	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	390000
2-Nitrophenol	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	---
2,4-Dimethylphenol	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	1600000
2,4-Dichlorophenol	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	230000
4-Chloro-3-methylphenol	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	---
2,4,6-Trichlorophenol	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	58000
2,4-Dinitrophenol	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	160000
4-Nitrophenol	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	---
4,6-Dinitro-2-methylphenol	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	---
Pentachlorophenol	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	---
bis(2-Chloroethyl)ether	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	3000
1,3-Dichlorobenzene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	600
1,4-Dichlorobenzene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	---
1,2-Dichlorobenzene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	27000
N-Nitroso-d-n-propylamine	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	7000000
Hexachloroethane	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	90
Nitrobenzene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	48000
Isophorone	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	39000
bis(2-Chloroethoxy)methane	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	670000
1,2,4-Trichlorobenzene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	---
Naphthalene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	780000
Hexachlorobutadiene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	3100000
Hexachlorocyclopentadiene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	8000
2-Chloronaphthalene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	550000
Dimethylphthalate	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	---
Acenaphthylene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	---
2,6-Dinitrotoluene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	---
Acenaphthene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	900
2,4-Dinitrotoluene	350 U	45 J	370 U	340 U	350 U	370 U	350 U	340 U	4700000
Diethylphthalate	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	900
4-Chlorophenyl-phenylether	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	63000000
Fluorene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	---
N-Nitrosodiphenylamine	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	3100000
4-Bromophenyl-phenylether	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	130000
Hexachlorobenzene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	---
Phenanthrene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	400
Anthracene	350 U	650	370 U	340 U	350 U	370 U	110 J	340 U	---
Di-n-butylphthalate	350 U	120 J	370 U	340 U	350 U	370 U	350 U	340 U	23000000
Fluoranthene	350 U	93 J	120 J	75 J	93 J	120 J	110 J	85 J	7800000
Pyrene	350 U	920	370 U	340 U	350 U	370 U	110 J	340 U	3100000
Butylbenzylphthalate	350 U	550	370 U	340 U	350 U	370 U	60 J	340 U	2300000
3,3'-Dichlorobenzidine	350 U	11000 D	370 U	340 U	350 U	370 U	350 U	340 U	16000000
Benzo(a)anthracene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	1000
Chrysene	350 U	330 J	370 U	340 U	350 U	370 U	39 J	340 U	900
bis(2-Ethylhexyl)phthalate	350 U	410	370 U	340 U	350 U	370 U	44 J	340 U	88000
Di-n-octyl phthalate	350 U	38 J	370 U	340 U	350 U	370 U	350 U	340 U	46000
Benzo(b)fluoranthene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	16000000
Benzo(k)fluoranthene	350 U	250 J	370 U	340 U	350 U	370 U	350 U	340 U	900
Benzo(a)pyrene	350 U	280 J	370 U	340 U	350 U	370 U	350 U	340 U	9000
Indeno(1,2,3-cd)pyrene	350 U	240 J	370 U	340 U	350 U	370 U	350 U	340 U	90
Dibenzo(a,h)anthracene	350 U	190 J	370 U	340 U	350 U	370 U	350 U	340 U	900
Benzo(g,h,i)perylene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	90
2,4,5-Trichlorophenol	350 U	190 J	370 U	340 U	350 U	370 U	350 U	340 U	---
2-Methylphenol	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	7800000
3+4-Methylphenols	710 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	3900000
Benzyl Alcohol	350 U	720 U	730 U	680 U	710 U	750 U	710 U	680 U	---
2,2'-oxybis(1-Chloropropane)	350 U	620	370 U	340 U	350 U	370 U	350 U	340 U	---
4-Chloroaniline	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	---
2-Methylnaphthalene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	---
4-Nitroaniline	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	---
2-Nitroaniline	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	---
3-Nitroaniline	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	---
Dibenzofuran	350 U	56 J	370 U	340 U	350 U	370 U	350 U	340 U	---
Azobenzene	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	---
Benzoic acid	350 U	360 U	370 U	340 U	350 U	370 U	350 U	340 U	31000000
Total Carcinogenic PAHs	0	1700	0	0	0	0	83	0	10000
Total PAH	0	4531	0	0	0	0	363	0	100000
Total Confident Conc. SVOC (s)	ND	16282	120	75	155	120	473	85	500000

**Qualifiers**

U The compound was not detected at the indicated concentration

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

D This qualifier identifies all compounds identified in an analysis at a secondary dilution factor

**Notes**

Result exceeds Comparison Value for Areas of Concern

Not established

Table C-3  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Facility Maintenance Facility		Hangar 2		Hangar 2		Hangar 2		Hangar 2		Comparison Value for Areas of Concern
Sample ID	139 B02 1-3	139 B02 3-5	140 B01 2-4	140 B01 4-6	140 B03 1-3	140 B03 3-5	140 B04 1-3	140 B04 3-5	140 B04 3-5	140 B04 3-5	
Sample Depth (ft)	1-3	3-5	2-4	4-6	1-3	3-5	1-3	3-5	3-5	3-5	
Sampling Date	09/19/00	09/19/00	10/04/00	10/04/00	09/20/00	09/20/00	09/20/00	09/20/00	09/20/00	09/20/00	
Matrix	S	S	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	
Phenol	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	47000000
2-Chlorophenol	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	390000
2-Nitrophenol	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
2,4-Dimethylphenol	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	1600000
2,4-Dichlorophenol	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	230000
4-Chloro-3-methylphenol	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
2,4,6-Trichlorophenol	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	58000
2,4-Dinitrophenol	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	160000
4-Nitrophenol	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
4,6-Dinitro-2-methylphenol	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
Pentachlorophenol	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	3000
bis(2-Chloroethoxy)ether	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	800
1,3-Dichlorobenzene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
1,4-Dichlorobenzene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	27000
1,2-Dichlorobenzene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	7000000
N-Nitroso-di-n-propylamine	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	90
Hexachloroethane	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	48000
Nitrobenzene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	39000
Isophorone	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	670000
bis(2-Chloroethoxy)methane	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
1,2,4-Trichlorobenzene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	780000
Naphthalene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	3100000
Hexachlorobutadiene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	8000
Hexachlorocyclopentadiene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	550000
2-Chloronaphthalene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
Dimethylphthalate	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
Acenaphthylene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
2,6-Dinitrotoluene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	900
Acenaphthene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	4700000
2,4-Dinitrotoluene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	800
Diethylphthalate	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	63000000
4-Chlorophenyl-phenylether	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
Fluorene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	3100000
N-Nitrosodiphenylamine	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	130000
4-Bromophenyl-phenylether	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
Hexachlorobenzene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	400
Phenanthrene	55 J	340 U	360 U	340 U	350 U	110 J	340 U	340 U	340 U	340 U	---
Anthracene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	23000000
Di-n-butylphthalate	68 J	110 J	62 J	39 J	56 J	87 J	340 U	340 U	340 U	340 U	7800000
Fluoranthene	64 J	340 U	360 U	340 U	36 J	140 J	340 U	340 U	340 U	340 U	3100000
Pyrene	350 U	340 U	360 U	340 U	350 U	78 J	340 U	340 U	340 U	340 U	2300000
Butylbenzylphthalate	350 U	340 U	75 J	340 U	350 U	350 U	340 U	340 U	340 U	340 U	16000000
3,3'-Dichlorobenzidine	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	1000
Benzo(a)anthracene	350 U	340 U	360 U	340 U	350 U	54 J	340 U	340 U	340 U	340 U	900
Chrysene	350 U	340 U	360 U	340 U	350 U	57 J	340 U	340 U	340 U	340 U	88000
bis(2-Ethylhexyl)phthalate	350 U	340 U	120 J	50 J	350 U	350 U	340 U	340 U	340 U	340 U	48000
Di-n-octyl phthalate	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	16000000
Benzo(b)fluoranthene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	900
Benzo(k)fluoranthene	350 U	340 U	360 U	340 U	350 U	66 J	340 U	340 U	340 U	340 U	9000
Benzo(a)pyrene	350 U	340 U	360 U	340 U	350 U	40 J	340 U	340 U	340 U	340 U	90
Indeno(1,2,3-cd)pyrene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	900
Dibenzo(a,h)anthracene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	90
Benzo(g,h,i)perylene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
2,4,5-Trichlorophenol	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	7800000
2-Methylphenol	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	3900000
3+4-Methylphenols	710 U	690 U	720 U	680 U	700 U	700 U	690 U	670 U	670 U	670 U	---
Benzyl Alcohol	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
2,2'-oxybis(1-Chloropropane)	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
4-Chloroaniline	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	310000
2-Methylnaphthalene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
4-Nitroaniline	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
2-Nitroaniline	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
3-Nitroaniline	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
Dibenzofuran	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
Azobenzene	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	---
Benzic acid	350 U	340 U	360 U	340 U	350 U	350 U	340 U	340 U	340 U	340 U	31000000
Total Carcinogenic PAHs	0	0	0	0	0	217	0	0	0	0	10000
Total PAH	119	0	0	0	0	36	543	0	0	0	100000
Total Confident Conc. SVOC (s)	187	110	257	89	92	630	ND	ND	ND	ND	500000

**Qualifiers**

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

D: This qualifier identifies all compounds identified in an analysis at a secondary dilution factor

**Notes**

Result exceeds Comparison Value for Areas of Concern

--- Not established



SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Hangar 2				Random Locations of Historic Manufacturing Operations				Comparison Value for Areas of Concern
Sample ID	I40 B05 1-3	I40 B05 3-5	I40 B06 1-3	I40 B06 3-5	I41 B01 0-2	I41 B01 2-4	I41 B02 1-3	I41 B02 3-5	
Sample Depth (ft)	1-3	3-5	1-3	3-5	0-2	2-4	1-3	3-5	
Sampling Date	09/20/00	09/20/00	09/20/00	09/20/00	10/16/00	10/16/00	10/13/00	10/13/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	47000000
2-Chlorophenol	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	390000
2-Nitrophenol	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
2,4-Dimethylphenol	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	1600000
2,4-Dichlorophenol	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	230000
4-Chloro-3-methylphenol	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
2,4,6-Trichlorophenol	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	58000
2,4-Dinitrophenol	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	160000
4-Nitrophenol	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
4,6-Dinitro-2-methylphenol	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
Pentachlorophenol	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
bis(2-Chloroethyl)ether	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	3000
1,3-Dichlorobenzene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	800
1,4-Dichlorobenzene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
1,2-Dichlorobenzene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	27000
N-Nitroso-di-n-propylamine	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	7000000
Hexachloroethane	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	90
Nitrobenzene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	46000
Isophorone	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	39000
bis(2-Chloroethoxy)methane	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	670000
1,2,4-Trichlorobenzene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
Naphthalene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	780000
Hexachlorobutadiene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	3100000
Hexachlorocyclopentadiene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	8000
2-Chloronaphthalene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	550000
Dimethylphthalate	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
Acenaphthylene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
2,6-Dinitrotoluene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
Acenaphthene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	900
2,4-Dinitrotoluene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	4700000
Diethylphthalate	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	900
4-Chlorophenyl-phenylether	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	6300000
Fluorene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
N-Nitrosodiphenylamine	340 U	350 U	370 U	340 U	68 J	350 U	380 U	340 U	3100000
4-Bromophenyl-phenylether	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
Hexachlorobenzene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	400
Phenanthrene	340 U	350 U	370 U	340 U	350 U	350 U	110 J	150 J	---
Anthracene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	23000000
Di-n-butylphthalate	37 J	65 J	75 J	340 U	120 J	87 J	69 J	81 J	7800000
Fluoranthene	340 U	350 U	370 U	340 U	350 U	350 U	89 J	100 J	3100000
Pyrene	340 U	350 U	370 U	340 U	350 U	350 U	59 J	74 J	2300000
Butylbenzylphthalate	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	16000000
3,3'-Dichlorobenzidine	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	1000
Benzo(a)anthracene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	34 J	900
Chrysene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	43 J	88000
bis(2-Ethylhexyl)phthalate	340 U	350 U	370 U	340 U	350 U	350 U	61 J	340 U	46000
Di-n-octyl phthalate	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	16000000
Benzo(b)fluoranthene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	900
Benzo(k)fluoranthene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	9000
Benzo(a)pyrene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	90
Indeno(1,2,3-cd)pyrene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	900
Dibenzo(a,h)anthracene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	90
Benzo(g,h,i)perylene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
2,4,5-Trichlorophenol	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	7800000
2-Methylphenol	690 U	690 U	730 U	670 U	350 U	350 U	380 U	340 U	3900000
3+4-Methylphenols	340 U	350 U	370 U	340 U	700 U	700 U	760 U	670 U	---
Benzyl Alcohol	340 U	350 U	370 U	340 U	2200	280 J	2300	340 U	---
2,2'-oxybis(1-Chloropropane)	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
4-Chloroaniline	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	310000
2-Methylnaphthalene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
4-Nitroaniline	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
2-Nitroaniline	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
3-Nitroaniline	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
Dibenzofuran	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
Azobenzene	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	---
Benzene acid	340 U	350 U	370 U	340 U	350 U	350 U	380 U	340 U	31000000
Total Carcinogenic PAHs	0	0	0	0	0	0	0	77	10000
Total PAH	0	0	0	0	0	0	258	401	100000
Total Confident Conc. SVOC (s)	37	65	75	ND	2388	347	2948	482	500000

**Qualifiers**

U The compound was not detected at the indicated concentration

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

D This qualifier identifies all compounds identified in an analysis at a secondary dilution factor

**Notes**

Result exceeds Comparison Value for Areas of Concern

Not established

Table C-3  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Random Locations of Historic Manufacturing Operations						Paint Shop Dry Well in Former Hammer Shop	Dry Wells in Former Carpentry Shop	Comparison Value for Areas of Concern
	I41 B03 1-3 Sample ID Sample Depth (ft) Sampling Date Matrix Dilution Factor Units	I41 B03 3-5 1-3 3-5 10/13/00 S 10 ug/kg	I41 B04 1-3 1-3 3-5 10/13/00 S 10 ug/kg	I41 B04 3-5 1-3 3-5 10/13/00 S 10 ug/kg	I41 B05 1-3 1-3 3-5 10/13/00 S 10 ug/kg	I41 B05 3-5 1-3 3-5 10/13/00 S 10 ug/kg	I42B01 (8-10) 8-10 8-10 10/19/00 S 10 ug/kg	I43B01 (8-10) 8-10 8-10 10/20/00 S 10 ug/kg	
Phenol	340 U	340 U	380 U	340 U	370 U	140 J	340 U	370 U	47000000
2-Chlorophenol	340 U	340 U	380 U	340 U	370 U	380 U	340 U	370 U	3900000
2-Nitrophenol	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	—
2,4-Dimethylphenol	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	16000000
2,4-Dichlorophenol	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	2300000
4-Chloro-3-methylphenol	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	—
2,4,6-Trichlorophenol	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	58000
2,4-Dinitrophenol	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	1600000
4-Nitrophenol	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	—
4,6-Dinitro-2-methylphenol	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	—
Pentachlorophenol	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	3000
bis(2-Chloroethoxy)ether	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	600
1,3-Dichlorobenzene	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	—
1,4-Dichlorobenzene	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	27000
1,2-Dichlorobenzene	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	7000000
N-Nitroso-di-n-propylamine	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	90
Hexachloroethane	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	48000
Nitrobenzene	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	39000
Isophorone	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	670000
bis(2-Chloroethoxy)methane	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	—
1,2,4-Trichlorobenzene	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	780000
Naphthalene	340 U	340 U	380 U	340 U	370 U	360 U	34 J	340 J	3100000
Hexachlorobutadiene	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	8000
Hexachlorocyclopentadiene	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	550000
2-Chloronaphthalene	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	—
Dimethylphthalate	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	—
Acanaphthylene	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	—
2,6-Dinitrotoluene	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	900
Acanaphthene	180 J	340 U	380 U	340 U	370 U	360 U	190 J	270 J	4700000
2,4-Dinitrotoluene	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	900
Diethylphthalate	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	6300000
4-Chlorophenyl-phenylether	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	—
Fluorene	170 J	340 U	380 U	340 U	370 U	360 U	290 J	370 J	3100000
N-Nitrosodiphenylamine	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	130000
4-Bromophenyl-phenylether	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	—
Hexachlorobenzene	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	400
Phenanthrene	1800	330 J	380 U	340 U	370 U	360 U	1500	2300	—
Anthracene	290 J	51 J	380 U	340 U	370 U	360 U	340 J	550	23000000
Di-n-butylphthalate	74 J	110 J	380 U	340 U	370 U	59 J	46 J	110 J	7800000
Fluoranthene	2000	440	380 U	340 U	370 U	360 U	1300	2400	3100000
Pyrene	1500	370	380 U	340 U	370 U	360 U	770	1700	2300000
Butylbenzylphthalate	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	16000000
3,3'-Dichlorobenzidine	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	1000
Benzo(a)anthracene	870	220 J	380 U	340 U	370 U	360 U	510	1100	900
Chrysene	1300	310 J	380 U	340 U	370 U	360 U	650	1500	88000
bis(2-Ethylhexyl)phthalate	61 J	47 J	380 U	340 U	370 U	360 U	340 U	370 U	48000
Di-n-octyl phthalate	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	16000000
Benzo(b)fluoranthene	960	180 J	380 U	340 U	370 U	360 U	330 J	1260	900
Benzo(k)fluoranthene	1000	300 J	380 U	340 U	370 U	360 U	410	1300	9000
Benzo(a)pyrene	820	220 J	380 U	340 U	370 U	360 U	380	1100	90
Indeno(1,2,3-cd)pyrene	510	180 J	380 U	340 U	370 U	360 U	190 J	180 J	900
Dibenzo(a,h)anthracene	57 J	340 U	380 U	340 U	370 U	360 U	340 U	44 J	90
Benzo(g,h,i)perylene	580	240 J	380 U	340 U	370 U	360 U	200 J	270 J	—
2,4,5-Trichlorophenol	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	7800000
2-Methylphenol	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	3900000
3+4-Methylphenols	680 U	680 U	760 U	670 U	730 U	720 U	680 U	750 U	—
Benzyl Alcohol	340 U	340 U	380 U	340 U	370 U	2500	340 U	370 U	—
2,2'-oxybis(1-Chloropropane)	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	—
4-Chloroaniline	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	310000
2-Methylnaphthalene	340 U	340 U	380 U	340 U	370 U	360 U	340 U	110 J	—
4-Nitroaniline	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	—
2-Nitroaniline	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	—
3-Nitroaniline	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	—
Dibenzofuran	78 J	340 U	380 U	340 U	370 U	360 U	110 J	190 J	—
Azobenzene	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	—
Benzoic acid	340 U	340 U	380 U	340 U	370 U	360 U	340 U	370 U	31000000
Total Carcinogenic PAHs	5347	1190	0	0	0	0	2470	6624	10000
Total PAH	11923	2821	0	0	0	0	7080	15124	100000
Total Confident Conc. SVOC (g)	12058	2878	ND	ND	ND	2099	7250	15234	500000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

D This qualifier identifies all compounds identified in an analysis at a secondary dilution factor.

**Notes**

Result exceeds Comparison Value for Areas of Concern

— Not established

C-3  
SUMMARY ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMI-VOLATILE ORGANIC COMPOUNDS

Sample Location	Dry Wells in Former Carpentry Shop						Canopy Trim Fixture Drain Hole/Sump Pit		Comparison Value
Sample ID	I43B01(14-18)	I43B02 (11-13)	I43B02(13-15)	I43B02A 15-17	I43B02A 17-19	I43B02A 19-21	I44B01 (4-6)	I44B01 (6-8)	for Areas of Concern
Sample Depth (ft)	14-18	11-13	13-15	15-17	17-19	19-21	4-6	6-8	
Sampling Date	10/20/00	10/20/00	10/20/00	12/27/00	12/27/00	12/27/00	10/20/00	10/20/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	47000000
2-Chlorophenol	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	390000
2-Nitrophenol	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	---
2,4-Dimethylphenol	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	1600000
2,4-Dichlorophenol	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	230000
4-Chloro-3-methylphenol	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	---
2,4,6-Trichlorophenol	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	58000
2,4-Dinitrophenol	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	160000
4-Nitrophenol	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	---
4,6-Dinitro-2-methylphenol	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	---
Pentachlorophenol	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	3000
bis(2-Chloroethoxy)ether	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	600
1,3-Dichlorobenzene	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	---
1,4-Dichlorobenzene	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	27000
1,2-Dichlorobenzene	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	7000000
N-Nitroso-di-n-propylamine	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	90
Hexachloroethane	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	48000
Nitrobenzene	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	39000
Isophorone	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	670000
bis(2-Chloroethoxy)methane	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	---
1,2,4-Trichlorobenzene	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	780000
Naphthalene	110 J	350 U	59 J	350 U	350 U	350 U	340 U	410 U	3100000
Hexachlorobutadiene	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	8000
Hexachlorocyclopentadiene	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	550000
2-Chloronaphthalene	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	---
Dimethylphthalate	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	---
Acenaphthylene	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	---
2,6-Dinitrotoluene	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	900
Acenaphthene	170 J	350 U	270 J	350 U	350 U	350 U	340 U	410 U	4700000
2,4-Dinitrotoluene	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	900
Diethylphthalate	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	63000000
4-Chlorophenyl-phenylether	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	---
Fluorene	220 J	350 U	270 J	350 U	350 U	350 U	340 U	410 U	3100000
N-Nitrosodiphenylamine	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	130000
4-Bromophenyl-phenylether	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	---
Hexachlorobenzene	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	400
Phenanthrene	1800	350 U	2100	350 U	74 J	44 J	340 U	410 U	---
Anthracene	380	350 U	470 J	350 U	350 U	350 U	340 U	410 U	23000000
Di-n-butylphthalate	96 J	61 J	240 J	350 U	350 U	350 U	340 U	410 U	7800000
Fluoranthene	2500	350 U	2600	350 U	200 J	120 J	340 U	410 U	3100000
Pyrene	1500	350 U	3900 E	350 U	130 J	73 J	340 U	410 U	2300000
Butylbenzylphthalate	350 U	350 U	150 J	350 U	850	270 J	340 U	410 U	16000000
3,3'-Dichlorobenzidine	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	1000
Benzo(a)anthracene	1200	350 U	1800	350 U	85 J	48 J	340 U	410 U	900
Chrysene	1600	350 U	2300	350 U	90 J	54 J	340 U	410 U	88000
bis(2-Ethylhexyl)phthalate	36 J	350 U	200 J	350 U	41 J	42 J	340 U	410 U	46000
Di-n-octyl phthalate	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	16000000
Benzo(b)fluoranthene	1100	350 U	1700	350 U	92 J	52 J	340 U	410 U	900
Benzo(k)fluoranthene	1000	350 U	2200	350 U	42 J	350 U	340 U	410 U	9000
Benzo(a)pyrene	980	350 U	1700	350 U	53 J	350 U	340 U	410 U	90
Indeno(1,2,3-cd)pyrene	410	350 U	280 J	350 U	350 U	350 U	340 U	410 U	900
Dibenzo(a,h)anthracene	47 J	350 U	84 J	350 U	350 U	350 U	340 U	410 U	90
Benzo(g,h,i)perylene	430	350 U	500	350 U	350 U	350 U	340 U	410 U	---
2,4,5-Trichlorophenol	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	7800000
2-Methylphenol	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	3900000
3+4-Methylphenols	700 U	710 U	950 U	690 U	710 U	700 U	670 U	810 U	---
Benzyl Alcohol	350 U	350 U	480 U	350 U	350 U	37 J	340 U	410 U	---
2,2'-oxybis(1-Chloropropane)	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	---
4-Chloroaniline	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	310000
2-Methylnaphthalene	44 J	350 U	480 U	350 U	350 U	350 U	340 U	410 U	---
4-Nitroaniline	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	---
2-Nitroaniline	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	---
3-Nitroaniline	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	---
Dibenzofuran	100 J	350 U	100 J	350 U	350 U	350 U	340 U	410 U	---
Azobenzene	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	---
Benzoic acid	350 U	350 U	480 U	350 U	350 U	350 U	340 U	410 U	31000000
Total Carcinogenic PAHs	6337	0	10084	ND	362	152	0	0	10000
Total PAH	13981	0	20333	ND	766	389	0	0	100000
Total Confident Conc. SVOC (s)	13723	61	20923	ND	1657	738	ND	72	500000

**Qualifiers**

U The compound was not detected at the indicated concentration

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

D This qualifier identifies all compounds identified in an analysis at a secondary dilution factor

**Notes**

Result exceeds Comparison Value for Areas of Concern

--- Not established

Table C-3  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1-INTERIOR AREAS OF CONCERN  
SEMI-VOLATILE ORGANIC COMPOUNDS

Sample Location	Waste Collection Station		Former Spot Weld Rise Tank		RHIC Magnet Pumping Units				Comparison Value for Areas of Concern
Sample ID	145 B01 0-2	145 B01 2-4	146 B01 0-2	146 B01 2-4	147 B01 0-2	147 B02 2-4	147 B02 0-2	147 B02 2-4	
Sample Depth (ft)	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	
Sampling Date	10/18/00	10/18/00	10/18/00	10/18/00	10/18/00	10/18/00	10/18/00	10/18/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	47000000
2-Chlorophenol	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	390000
2-Nitrophenol	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	---
2,4-Dimethylphenol	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	1800000
2,4-Dichlorophenol	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	230000
4-Chloro-3-methylphenol	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	---
2,4,6-Trichlorophenol	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	58000
2,4-Dinitrophenol	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	180000
4-Nitrophenol	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	---
4,6-Dinitro-2-methylphenol	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	---
Pentachlorophenol	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	---
bis(2-Chloroethoxy)ether	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	3000
1,3-Dichlorobenzene	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	800
1,4-Dichlorobenzene	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	---
1,2-Dichlorobenzene	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	27000
N-Nitroso-di-n-propylamine	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	7000000
Hexachloroethane	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	90
Nitrobenzene	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	48000
Isophorone	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	39000
bis(2-Chloroethoxy)methane	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	670000
1,2,4-Trichlorobenzene	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	---
Naphthalene	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	780000
Hexachlorobutadiene	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	3100000
Hexachlorocyclopentadiene	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	8000
2-Chloronaphthalene	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	550000
Dimethylphthalate	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	---
Acenaphthylene	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	---
2,6-Dinitrotoluene	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	---
Acenaphthene	340 U	350 U	92 J	380 U	350 U	340 U	360 U	340 U	900
2,4-Dinitrotoluene	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	4700000
Diethylphthalate	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	900
4-Chlorophenyl-phenylether	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	63000000
Fluorene	340 U	350 U	96 J	380 U	350 U	340 U	360 U	340 U	---
N-Nitrosodiphenylamine	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	3100000
4-Bromophenyl-phenylether	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	130000
Hexachlorobenzene	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	---
Phenanthrene	340 U	39 J	1100	74 J	350 U	340 U	360 U	340 U	400
Anthracene	340 U	350 U	200 J	380 U	350 U	340 U	360 U	340 U	---
Di-n-butylphthalate	180 J	100 J	190 J	93 J	150 J	80 J	51 J	91 J	23000000
Fluoranthene	340 U	39 J	1100	88 J	350 U	340 U	360 U	340 U	7800000
Pyrene	340 U	350 U	670	43 J	350 U	340 U	360 U	340 U	3100000
Butylbenzylphthalate	340 U	350 U	7500 D	200 J	350 U	340 U	360 U	340 U	2300000
3,3'-Dichlorobenzidine	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	18000000
Benzo(a)anthracene	340 U	350 U	460	380 U	350 U	340 U	360 U	340 U	1000
Chrysene	340 U	350 U	500	380 U	350 U	340 U	360 U	340 U	900
bis(2-Ethylhexyl)phthalate	340 U	350 U	380 U	380 U	38 J	340 U	360 U	340 U	88000
Di-n-octyl phthalate	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	48000
Benzo(b)fluoranthene	340 U	350 U	430	380 U	350 U	340 U	360 U	340 U	16000000
Benzo(k)fluoranthene	340 U	350 U	330 J	380 U	350 U	340 U	360 U	340 U	900
Benzo(a)pyrene	340 U	350 U	340 J	380 U	350 U	340 U	360 U	340 U	9000
Indeno(1,2,3-cd)pyrene	340 U	350 U	130 J	380 U	350 U	340 U	360 U	340 U	90
Dibenzo(a,h)anthracene	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	900
Benzo(g,h,i)perylene	340 U	350 U	180 J	380 U	350 U	340 U	360 U	340 U	---
2,4,5-Trichlorophenol	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	7800000
2-Methylphenol	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	3900000
3+4-Methylphenols	680 U	690 U	760 U	760 U	700 U	680 U	720 U	680 U	---
Benzyl Alcohol	180 J	270 J	380 U	380 U	350 U	340 U	360 U	340 U	---
2,2'-oxybis(1-Chloropropane)	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	---
4-Chloroaniline	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	310000
2-Methylnaphthalene	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	---
4-Nitroaniline	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	---
2-Nitroaniline	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	---
3-Nitroaniline	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	---
Dibenzofuran	340 U	350 U	66 J	380 U	350 U	340 U	360 U	340 U	---
Azobenzene	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	---
Benzic acid	340 U	350 U	380 U	380 U	350 U	340 U	360 U	340 U	---
Total Carcinogenic PAHs	0	0	2180	0	0	0	0	0	10000
Total PAH	0	39	5687	185	0	0	0	0	100000
Total Confident Conc. SVOC (s)	320	448	13377	478	188	80	51	91	500000

**Qualifiers**

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

D: This qualifier identifies all compounds identified in an analysis at a secondary dilution factor.

**Notes**

Result exceeds Comparison Value for Areas of Concern

--- Not established

C-4  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- INTERIOR AREAS OF CONCERN  
PCBs

Sample Location	Former Storage Building Former Dry Wells	Former Dry Well Area				Boiler Room Former Dry Well		Paint Shop Former Dry Well	Comparison Value for Areas of Concern
Sample ID	I04 B01 8-10	I05 B01 8-10	I05 B01 20-22	E43 B02/I05 B02 6-8	E43 B02/I05 B02 14-16	I08 B01 2-4'	I08 B01 9-11'	I10 B01 4-6'	
Sample Depth ft	8-10	8-10	20-22	6-8	14-16	2-4	9-11	4-6	
Sampling Date	10/17/00	10/02/00	10/02/00	10/12/00	10/12/00	09/26/00	09/26/00	09/25/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	17 U	19 U	18 U	19 U	19 U	17 U	17 U	17 U	*
Aroclor 1221	17 U	19 U	18 U	19 U	19 U	17 U	17 U	17 U	*
Aroclor 1232	17 U	19 U	18 U	19 U	19 U	17 U	17 U	17 U	*
Aroclor 1242	17 U	19 U	18 U	19 U	19 U	17 U	17 U	17 U	*
Aroclor 1248	17 U	19 U	18 U	19 U	460	17 U	17 U	17 U	*
Aroclor 1254	17 U	19 U	18 U	19 U	19 U	17 U	17 U	17 U	*
Aroclor 1260	17 U	19 U	18 U	19 U	19 U	17 U	17 U	17 U	*

Sample Location	Paint Shop Former Dry Well	Former Downspout Dry Wells				Former Heat Treat Room			Comparison Value for Areas of Concern
Sample ID	I10 B01 10-12	I13 B01 2-4	I13 B01 8-9	I13B02(2-4)	I13B02 (6-7)	I16 B02 1-3'	I16B02 (3.5-5.5)	I16B02 (5.5-7.5)	
Sample Depth ft	10-12	2-4	8-9	2-4	6-7	1-3	3.5-5.5	5.5-7.5	
Sampling Date	09/25/00	10/17/00	10/17/00	10/20/00	10/20/00	09/21/00	10/19/00	10/19/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	mg/kg	mg/kg	ug/kg	mg/kg	mg/kg	ug/kg
Aroclor 1016	17 U	18 U	17 U	17 U	17 U	17 U	18 U	17 U	*
Aroclor 1221	17 U	18 U	17 U	17 U	17 U	17 U	18 U	17 U	*
Aroclor 1232	17 U	18 U	17 U	17 U	17 U	17 U	18 U	17 U	*
Aroclor 1242	17 U	18 U	17 U	17 U	17 U	17 U	18 U	17 U	*
Aroclor 1248	17 U	18 U	17 U	17 U	17 U	17 U	18 U	17 U	*
Aroclor 1254	17 U	18 U	17 U	17 U	17 U	17 U	18 U	17 U	*
Aroclor 1260	17 U	18 U	17 U	17 U	17 U	17 U	18 U	17 U	*

Sample Location	Hallway Adjacent to Former Alodine Room				Former Storage Building			Comparison Value for Areas of Concern
Sample ID	I26 B01 1-3'	I26 B01 3-5'	I26 B02 1.5-3.5'	I26 B02 3.5-5.5'	I30 B01 1-3	I30 B01 3-5	I30 B02 1-3	
Sample Depth ft	1-3	3-5	1.5-3.5	3.5-5.5	1-3	3-5	1-3	
Sampling Date	09/22/00	09/22/00	09/22/00	09/22/00	09/19/00	09/19/00	09/19/00	
Matrix	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	20 U	18 U	18 U	17 U	20 U	19 U	18 U	*
Aroclor 1221	20 U	18 U	18 U	17 U	20 U	19 U	18 U	*
Aroclor 1232	20 U	18 U	18 U	17 U	20 U	19 U	18 U	*
Aroclor 1242	20 U	18 U	18 U	17 U	20 U	19 U	18 U	*
Aroclor 1248	20 U	18 U	18 U	17 U	20 U	19 U	18 U	*
Aroclor 1254	20 U	18 U	18 U	17 U	20 U	19 U	18 U	*
Aroclor 1260	20 U	18 U	18 U	17 U	20 U	19 U	18 U	*

**Qualifiers**

U: The compound was not detected at the indicated concentration.

**Notes**

\*: Comparison Value for PCBs is 10,000 ug/kg in Sub-surface soils

Table C-4  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- INTERIOR AREAS OF CONCERN  
PCBs

Sample Location	Former Storage Building								Comparison Value for Areas of Concern
Sample ID	I30 B02 3-5	I30 B03 1-3	I30 B03 3-5	I30 B04 1-3	I30 B04 3-5	I30 B05 6-8'	I30 B05 8-10'	I30 B06 1-3	
Sample Depth ft	3-5	1-3	3-5	1-3	3-5	6-8	8-10	1-3	
Sampling Date	09/19/00	09/18/00	09/18/00	09/19/00	09/19/00	10/03/00	10/03/00	09/18/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	18 U	18 U	17 U	18 U	17 U	17 U	17 U	20 U	*
Aroclor 1221	18 U	18 U	17 U	18 U	17 U	17 U	17 U	20 U	*
Aroclor 1232	18 U	18 U	17 U	18 U	17 U	17 U	17 U	20 U	*
Aroclor 1242	18 U	18 U	17 U	18 U	17 U	17 U	17 U	20 U	*
Aroclor 1248	18 U	18 U	17 U	18 U	17 U	17 U	17 U	20 U	*
Aroclor 1254	18 U	18 U	17 U	18 U	17 U	17 U	17 U	20 U	*
Aroclor 1260	18 U	18 U	17 U	18 U	17 U	17 U	17 U	20 U	*

Qualifiers

U The compound was not detected at the indicated concentration.

Sample Location	Former Storage Building			Hangar 1					Comparison Value for Areas of Concern
Sample ID	I30 B06 3-6	I30 B07 0-2	I30 B07 2-4	I32 B01 1-3	I32 B01 3-5	I32 B02 1-3	I32 B02 3-5	I32 B03 1-3	
Sample Depth ft	3-5	0-2	2-4	1-3	3-5	1-3	3-5	1-3	
Sampling Date	09/18/00	10/17/00	10/17/00	09/19/00	09/19/00	09/19/00	09/19/00	09/20/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	20 U	18 U	17 U	20 U	19 U	18 U	19 U	19 U	*
Aroclor 1221	20 U	18 U	17 U	20 U	19 U	18 U	19 U	19 U	*
Aroclor 1232	20 U	18 U	17 U	20 U	19 U	18 U	19 U	19 U	*
Aroclor 1242	20 U	18 U	17 U	20 U	19 U	18 U	19 U	19 U	*
Aroclor 1248	20 U	18 U	17 U	20 U	19 U	18 U	19 U	19 U	*
Aroclor 1254	20 U	18 U	17 U	20 U	19 U	18 U	19 U	19 U	*
Aroclor 1260	20 U	18 U	17 U	20 U	19 U	18 U	19 U	19 U	*

Qualifiers

U The compound was not detected at the indicated concentration.

Sample Location	Hangar 1			"Old" Ejection Pits				Transformer Rooms	Comparison Value for Areas of Concern
Sample ID	I32 B03 3-5	I32 B04 1-3	I32 B04 3-5	I34 B01 4-6	I34 B01 6-8	I34 B02 2-4	I34 B02 4-6	I35 B01 1-3	
Sample Depth ft	3-5	1-3	3-5	4-6	6-8	2-4	4-6	1-3	
Sampling Date	09/20/00	09/20/00	09/20/00	09/29/00	09/29/00	09/29/00	09/29/00	09/29/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	18 U	20 U	18 U	20 U	17 U	20 U	17 U	22 U	*
Aroclor 1221	18 U	20 U	18 U	20 U	17 U	20 U	17 U	22 U	*
Aroclor 1232	18 U	20 U	18 U	20 U	17 U	20 U	17 U	22 U	*
Aroclor 1242	18 U	20 U	18 U	20 U	17 U	20 U	17 U	22 U	*
Aroclor 1248	18 U	20 U	18 U	20 U	17 U	20 U	17 U	22 U	*
Aroclor 1254	18 U	20 U	18 U	20 U	17 U	20 U	17 U	22 U	*
Aroclor 1260	18 U	20 U	18 U	20 U	17 U	20 U	17 U	22 U	*

Qualifiers

U The compound was not detected at the indicated concentration.

Notes

\*: Comparison Value for PCBs is 10,000 ug/kg in Sub-surface soils

C-4  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- INTERIOR AREAS OF CONCERN  
PCBs

Sample Location	Transformer Rooms			Hangar 2					Companion Value for Areas of Concern
Sample ID	I35 B01 3-5	I35 B02 1-3	I35 B02 3-5	I40 B01 2-4	I40 B01 4-6	I40 B03 1-3	I40 B03 3-5	I40 B04 1-3	
Sample Depth ft	3-5	1-3	3-5	2-4	4-6	1-3	3-5	1-3	
Sampling Date	09/29/00	09/29/00	09/29/00	10/04/00	10/04/00	09/20/00	09/20/00	09/20/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	18 U	18 U	18 U	18 U	17 U	18 U	18 U	17 U	*
Aroclor 1221	18 U	18 U	18 U	18 U	17 U	18 U	18 U	17 U	*
Aroclor 1232	18 U	18 U	18 U	18 U	17 U	18 U	18 U	17 U	*
Aroclor 1242	18 U	18 U	18 U	18 U	17 U	18 U	18 U	17 U	*
Aroclor 1248	18 U	18 U	18 U	18 U	17 U	18 U	18 U	17 U	*
Aroclor 1254	18 U	18 U	18 U	18 U	17 U	18 U	18 U	17 U	*
Aroclor 1260	18 U	18 U	18 U	18 U	17 U	18 U	18 U	17 U	*

**Qualifiers**

U: The compound was not detected at the indicated concentration.

Sample Location	Hangar 2					Random Locations of Historic Manufacturing Operations			Companion Value for Areas of Concern
Sample ID	I40 B04 3-5	I40 B05 1-3	I40 B05 3-5	I40 B06 1-3	I40 B06 3-5	I41 B01 0-2	I41 B01 2-4	I41 B02 1-3	
Sample Depth ft	3-5	1-3	3-5	1-3	3-5	0-2	2-4	1-3	
Sampling Date	09/20/00	09/20/00	09/20/00	09/20/00	09/20/00	10/16/00	10/16/00	10/13/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	17 U	17 U	17 U	18 U	17 U	18 U	18 U	19 U	*
Aroclor 1221	17 U	17 U	17 U	18 U	17 U	18 U	18 U	19 U	*
Aroclor 1232	17 U	17 U	17 U	18 U	17 U	18 U	18 U	19 U	*
Aroclor 1242	17 U	17 U	17 U	18 U	17 U	18 U	18 U	19 U	*
Aroclor 1248	17 U	17 U	17 U	18 U	17 U	18 U	18 U	19 U	*
Aroclor 1254	17 U	17 U	17 U	18 U	17 U	18 U	18 U	19 U	*
Aroclor 1260	17 U	17 U	17 U	18 U	17 U	18 U	18 U	19 U	*

**Qualifiers**

U: The compound was not detected at the indicated concentration

Sample Location	Random Locations of Historic Manufacturing Operations							Paint Shop Dry Well in Former Hammer shop	Companion Value for Areas of Concern
Sample ID	I41 B02 3-5	I41 B03 1-3	I41 B03 3-5	I41 B04 1-3	I41 B04 3-5	I41 B05 1-3	I41 B05 3-5	I42B01 (8-10)	
Sample Depth ft	3-5	1-3	3-5	1-3	3-5	1-3	3-5	8-10	
Sampling Date	10/13/00	10/13/00	10/13/00	10/13/00	10/13/00	10/13/00	10/13/00	10/19/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	mg/kg	ug/kg
Aroclor 1016	17 U	17 U	17 U	19 U	17 U	18 U	18 U	17 U	*
Aroclor 1221	17 U	17 U	17 U	19 U	17 U	18 U	18 U	17 U	*
Aroclor 1232	17 U	17 U	17 U	19 U	17 U	18 U	18 U	17 U	*
Aroclor 1242	17 U	17 U	17 U	19 U	17 U	18 U	18 U	17 U	*
Aroclor 1248	17 U	17 U	17 U	19 U	17 U	18 U	18 U	17 U	*
Aroclor 1254	17 U	17 U	17 U	19 U	17 U	18 U	18 U	17 U	*
Aroclor 1260	17 U	19	22	19 U	17 U	18 U	18 U	17 U	*

**Qualifiers**

U The compound was not detected at the indicated concentration

**Notes**

\*: Comparison Value for PCBs is 10,000 ug/kg in Sub-surface soils

Table C-4  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- INTERIOR AREAS OF CONCERN  
PCBs

Sample Location	Waste Collection Station Adj. To Canopy Drain/Sump Pit								Comparison Value for Areas of Concern
Sample ID	I45 B01 0-2	I45 B01 2-4							
Sample Depth ft	0-2	2-4							
Sampling Date	10/16/00	10/16/00							
Matrix	S	S							
Dilution Factor	1.0	1.0							
Units	ug/kg	ug/kg							ug/kg
Aroclor 1016	17 U	17 U							.
Aroclor 1221	17 U	17 U							.
Aroclor 1232	17 U	17 U							.
Aroclor 1242	17 U	17 U							.
Aroclor 1248	17 U	17 U							.
Aroclor 1254	17 U	17 U							.
Aroclor 1260	17 U	17 U							.

**Qualifiers**

U The compound was not detected at the indicated concentration

**Notes**

\* Comparison Value for PCBs is 10,000 ug/kg in Sub-surface soils



2-5  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- INTERIOR AREAS OF CONCERN  
GLYCOLS

Sample Location	Hangar 1								Hangar 2
Sample ID	I32 B01 1-3	I32 B01 3-5	I32 B02 1-3	I32 B02 3-5	I32 B03 1-3	I32 B03 3-5	I32 B04 1-3	I32 B04 3-5	I40 B01 2-4
Sample Depth (ft)	1-3	3-5	1-3	3-5	1-3	3-5	1-3	3-5	2-4
Sampling Date	09/19/00	09/19/00	09/19/00	09/19/00	09/20/00	09/20/00	09/20/00	09/20/00	10/04/00
Matrix	S	S	S	S	S	S	S	S	S
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units	mg/kg	mg/kg	mg/kg	mg/kg	ug/kg	ug/kg	ug/kg	ug/kg	mg/kg
Propylene glycol	12 U	11 U	11 U	11 U	11 U	11 U	12 U	11 U	11 U
Ethylene glycol	12 U	11 U	11 U	11 U	11 U	11 U	12 U	11 U	11 U

Sample Location	Hangar 2								
Sample ID	I40 B01 4-6	I40 B03 1-3	I40 B03 3-5	I40 B04 1-3	I40 B04 3-5	I40 B05 1-3	I40 B05 3-5	I40 B06 1-3	I40 B06 3-5
Sample Depth (ft)	4-6	1-3	3-5	1-3	3-5	1-3	3-5	1-3	3-5
Sampling Date	10/04/00	09/20/00	09/20/00	09/20/00	09/20/00	09/20/00	09/20/00	09/20/00	09/20/00
Matrix	S	S	S	S	S	S	S	S	S
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units	mg/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Propylene glycol	11 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Ethylene glycol	11 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U

**Qualifiers**

U The compound was not detected at the indicated concentration

Table C-8  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- INTERIOR AREAS OF CONCERN  
PESTICIDES/HERBICIDES

Sample Location	Hangar 1							
Sample ID	I32 B01 1-3	I32 B01 3-5	I32 B02 1-3	I32 B02 3-5	I32 B03 1-3	I32 B03 3-5	I32 B04 1-3	I32 B04 3-5
Sample Depth, ft	1-3	3-5	1-3	3-5	1-3	3-5	1-3	3-5
Sampling Date	09/19/00	09/19/00	09/19/00	09/19/00	09/20/00	09/20/00	09/20/00	09/20/00
Matrix	S	S	S	S	S	S	S	S
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
<b>Pesticides</b>								
Aldrin	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
alpha-BHC	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
beta-BHC	5	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
delta-BHC	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
gamma-BHC (Lindane)	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
alpha-Chlordane	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
gamma-Chlordane	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
Chlordane	20 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	20 U	1.8 U
4,4'-DDD	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
4,4'-DDE	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
4,4'-DDT	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
Dieldrin	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
Endosulfan I	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
Endosulfan II	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
Endosulfan Sulfate	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
Endrin	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
Endrin ketone	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
Endrin aldehyde	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
Heptachlor	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
Heptachlor epoxide	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
Toxaphene	20 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	20 U	1.8 U
Methoxychlor	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	2 U	1.8 U
<b>Herbicides</b>								
Dicamba	4 U	3.7 U	3.7 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U
2,4-D	4 U	3.7 U	3.7 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U
2,4,5-TP (Silvex)	4 U	3.7 U	3.7 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U
2,4,5-T	4 U	3.7 U	3.7 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U

**Qualifiers**

U: The compound was not detected at the indicated concentration

C-7  
SUMMARY ANALYTICAL RESULTS  
NGC-PLANT 1- EXTERIOR AREAS OF CONCERN  
RCRA METALS

Sample Location	Former Settling Tanks/Leaching Pools								Comparison Value for Areas of Concern
Sample ID	E1 B01 14-16	E1 B01 20-22	E01B02 12-14'	E01B02 20-22'	E01B03 12-14'	E01B03 20-22'	E01B04 12-14'	E01B04 20-22'	
Sample Depth (ft)	14-16	20-22	12-14	20-22	12-14	20-22	12-14	20-22	
Sampling Date	10/17/00	10/17/00	10/09/00	10/09/00	10/09/00	10/09/00	10/09/00	10/09/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.59 U	0.61 B	1.9	0.34 B	2.1	0.31 U	2.7	1.9	20
Barium	2.7 B	3.6 B	37.6	5.4 B	12.1 B	4.8 B	33.2	10.1 B	5500
Cadmium	0.21 U	0.21 U	4.5	0.09 U	0.09 U	0.09 U	4	0.09 U	78
Chromium	31.5	152	15	2.7	16.4	3.2	30.7	6.2	390
Lead	3	2.7	27.9 E	2.3 E	12.9 E	5.9 E	31.6 E	3.6 E	400
Mercury	0.04 U	0.04 U	0.04 UN*	0.04 UN*	0.18 N*	0.04 UN*	0.18 N*	0.05 N*	23
Selenium	0.41 U	0.42 B	0.62	0.24 U	0.46 B	0.25 U	0.42 B	0.5 B	390
Silver	0.17 U	0.17 U	1.4	0.14 U	0.29 B	0.15 U	0.69 B	0.14 U	390

Sample Location	Former Settling Tanks/Leaching Pools								Comparison Value for Areas of Concern
Sample ID	E01B05 12-14'	E01B05 18-20'	E1B06 12-14	E1B06 20-22	E1B07 12-14	E1B07 20-22	E01 B08 18-20	E01 B08 24-26	
Sample Depth (ft)	12-14	18-20	12-14	20-22	12-14	20-22	18-20	24-26	
Sampling Date	10/09/00	10/09/00	10/11/00	10/11/00	10/11/00	10/11/00	10/10/00	10/10/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.51 B	0.28 U	0.59 U	0.57 U	0.58 U	0.58 U	1.2	2.2	20
Barium	9 B	5.6 B	2.7 B	3.2 B	6.6 B	3.3 B	4.9 B	4.4 B	5500
Cadmium	0.1 U	0.08 U	0.21 U	0.2 U	0.2 U	0.2 U	0.13 B	0.04 U	78
Chromium	6.5	11	1.4	16.7	3.4	5.7	23.8	10.3	390
Lead	3.7 E	2.2 E	2.4	2.6	3	2.5	1.2	1.7	400
Mercury	0.04 UN*	0.04 UN*	0.03 UN	0.07 N	0.03 UN	0.03 UN	0.03 UN	0.04 UN	23
Selenium	0.28 U	0.43 B	0.41 U	0.4 U	0.41 U	0.41 U	0.22 U	0.31 B	390
Silver	0.8 B	0.14 U	0.17 U	0.16 U	0.16 U	0.16 U	0.06 U	0.1 B	390

Sample Location	Former Settling Tanks/Leaching Pools								Comparison Value for Areas of Concern
Sample ID	E01 B09 16-18	E01 B09 24-26	E01 B11 12-14	E01 B11 20-22	E01 B12 12-14	E01 B12 20-22	E01 B13 12-14	E01 B13 20-22	
Sample Depth (ft)	16-18	24-26	12-14	20-22	12-14	20-22	12-14	20-22	
Sampling Date	10/10/00	10/10/00	10/10/00	10/10/00	10/13/00	10/13/00	10/13/00	10/13/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	1.5	2.1	1.1 B	2.5	0.61 U	0.71 U	19.9	0.68 U	20
Barium	7.1 B	6.9 B	12.9 B	9.8 B	7.5 B	8.4 B	23.7	4.1 B	5500
Cadmium	0.04 U	0.04 U	0.49 B	0.19 B	0.22 U	0.25 U	47.9	0.24 U	78
Chromium	5	9.4	13.9	8.6	13.8 E	8.1 E	94.7 E	7.2 E	390
Lead	2.6	2.1	4.7	3.8	5.2 E	4.7 E	130 E	2.9 E	400
Mercury	0.03 UN	0.03 UN	0.04 UN	0.04 UN	0.04 UN	0.04 UN	0.63 N	0.04 UN	23
Selenium	0.23 U	0.23 U	0.33 B	0.29 B	0.43 U	0.5 U	3.2	0.48 U	390
Silver	0.08 B	0.06 U	2.9	7	2.3	0.2 U	60.5	0.19 U	390

**Qualifiers**

U Constituent was not detected at the indicated concentration

B Constituent detected below the Contract Required Detection Limit but greater than or equal to the instrument Detection Limit

E Reported value is estimated due to interference

N Spiked sample recovery not within control limits

**Notes**

Result exceeds Comparison Value for Areas of Concern

Table C-7  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- EXTERIOR AREAS OF CONCERN  
RCRA METALS

Sample Location	Former Settling Tanks/Leaching Pools		Six Former Leaching Pools						Comparison Value for Areas of Concern
Sample ID	E01B14 12-14'	E01B14 18-20'	E2 B01 12-14	E2 B01 20-22	E2 B02 6-8	E2 B02 14-16	E2 B03 12-14	E2 B03 20-22	
Sample Depth (ft)	12-14	18-20	12-14	20-22	6-8	14-16	12-14	20-22	
Sampling Date	10/09/00	10/09/00	09/29/00	09/29/00	09/29/00	09/29/00	09/29/00	09/29/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.28 U	0.27 U	0.38 U	0.74 B	5.1	0.5 B	2	1.7	20
Barium	8.4 B	9.5 B	8.2 B	5.2 B	18.3 B	4.3 B	5.2 B	7.2 B	5500
Cadmium	0.08 U	0.73	0.23 B	0.16 B	1.2	0.64	0.11 B	0.15 B	78
Chromium	23.9	10.4	129	57.5	51 N	41.5 N	149	115	390
Lead	3.9 E	2.5 E	3	2.3	76.4 E	2.5 E	2.1	6.8	400
Mercury	0.05 N <sup>†</sup>	0.03 UN <sup>†</sup>	0.02 U	0.02 U	0.08 N <sup>†</sup>	0.05 N <sup>†</sup>	0.02 B	0.02 B	23
Selenium	0.23 U	0.22 U	0.22 U	0.22 U	0.24 B	0.23 U	0.23 B	0.22 U	390
Silver	0.13 U	0.13 U	0.09 B	0.13 B	5	0.23 B	0.06 U	0.06 B	390

Sample Location	Six Former Leaching Pools		Former Heat Treat Drainage Wells				Former Dry Well		Comparison Value for Areas of Concern
Sample ID	E2 B04 12-14	E2 B04 24-26	E03 B01 16-18	E03 B01 22-24	E03 B02 14-16	E03 B02 20-22	E04 B01 8-10	E04 B01 18-20	
Sample Depth (ft)	12-14	24-26	16-18	22-24	14-16	20-22	8-10	18-20	
Sampling Date	09/29/00	09/29/00	10/10/00	10/10/00	10/10/00	10/10/00	10/12/00	10/12/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.68 B	4.2	4	2.2	4.1	0.46 U	3.4	0.57 U	20
Barium	6.7 B	10.7 B	14.6 B	13.1 B	17.2 B	2.2 B	8.1 B	3.5 B	5500
Cadmium	0.14 B	0.04 U	1.7	0.06 B	0.33 B	0.97	0.23 U	0.2 U	78
Chromium	45.3	99.6	47.9	12.8	11.6	11	5.3	1.8	390
Lead	2.8	4.3	79.1	2.7	11.9	1.2	5.2	2.8	400
Mercury	0.02 B	0.02 B	0.1 N	0.04 UN	0.23 N	0.04 UN	0.04 U <sup>†</sup>	0.03 U <sup>†</sup>	23
Selenium	0.22 U	0.24 U	0.25 U	0.25 U	0.78	0.27 U	0.57 B	0.4 U	390
Silver	0.15 B	0.16 B	4.1	0.07 U	0.23 B	0.07 U	0.18 U	0.16 U	390

Sample Location	Leaching Pool Area								Comparison Value for Areas of Concern
Sample ID	E6 B01 10-12	E6 B01 20-22	E6 B02 10-12	E6 B02 20-22	E6 B03 10-12	E6 B03 20-22	E6 B04 10-12	E6 B04 20-22	
Sample Depth (ft)	10-12	20-22	10-12	20-22	10-12	20-22	10-12	20-22	
Sampling Date	10/02/00	10/02/00	10/02/00	10/02/00	10/02/00	10/02/00	10/05/00	10/05/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	1.1	2.5	1.5	2	0.56 B	1.8	8	1.2	20
Barium	3.4 B	4.4 B	4.6 B	5.6 B	3.5 B	4.7 B	3.1 B	4.2 B	5500
Cadmium	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.05 U	78
Chromium	5.2	9.7	7.5	8.3	7.5	8.1	3.5	7.1	390
Lead	1.5	1.9	1.3	1.4	1.2	1.6	0.76	0.97	400
Mercury	0.06	0.04	0.02 B	0.1	0.36	0.13	0.02 U	0.02 U	23
Selenium	0.54	0.23 U	0.23 U	0.22 U	0.28 B	0.29 B	0.23 U	0.25 U	390
Silver	0.14 BN	0.12 BN	0.11 BN	0.15 BN	0.06 UN	0.13 BN	0.06 B	0.11 B	390

**Qualifiers**

U Constituent was not detected at the indicated concentration.

B Constituent detected below the Contract Required Detection Limit but greater than or equal to the Instrument Detection Limit

E Reported value is estimated due to interference

N Spilled sample recovery not within control limits

**Notes**

Result exceeds Comparison Value for Areas of Concern

2-7  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- EXTERIOR AREAS OF CONCERN  
RCRA METALS

Sample Location	Leaching Pool Area						Nine Leaching Pools		Comparison Value
Sample ID	E6 B05 3-5	E6 B05 12-14	E06 B06 8-10	E06 B06 16-18	E06 B09 10-12	E06 B09 20-22	E7 B01 14-16	E7 B01 18-20	for Areas of Concern
Sample Depth (ft)	3-5	12-14	8-10	16-18	10-12	20-22	14-16	18-20	
Sampling Date	10/05/00	10/05/00	10/10/00	10/10/00	10/04/00	10/04/00	09/20/00	09/20/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.98 B	1.4	4.8	0.45 B	1.4	0.97 B	0.38 U	3.9	20
Barium	3.2 B	5.7 B	9.4 B	2.4 B	7.2 B	3.9 B	1.6 B	3.3 B	5500
Cadmium	0.05 B	0.04 U	1.4	0.09 B	0.15 B	0.04 U	0.04 U	0.04 U	78
Chromium	2.3	5.9	154	5.7	5.9	9.7	1.5	13.3	390
Lead	10.1	1.5	27.4	0.98	4	1.2	1.8	2	400
Mercury	0.07	0.05	0.09 N	0.07 N	0.02 U	0.03 B	0.02 U	0.09	23
Selenium	0.47 B	0.22 U	0.36 B	0.36 B	0.51 B	0.22 U	0.22 U	0.23 U	390
Silver	0.09 B	0.08 B	0.25 B	0.1 B	0.06 U	0.07 B	0.06 U	0.06 U	390

Sample Location	Nine Leaching Pools								Comparison Value
Sample ID	E7 B02 12-14	E7 B02 16-18	E7 B03 11-13	E7 B03 19-21	E7 B04 11-13	E7 B04 19-21	E7 B05 15-17	E7 B05 19-21	for Areas of Concern
Sample Depth (ft)	12-14	16-18	11-13	19-21	11-13	19-21	15-17	19-21	
Sampling Date	09/20/00	09/20/00	09/21/00	09/21/00	09/21/00	09/21/00	09/21/00	09/21/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.79 B	5.3	4.8	1.9	0.27 U	0.77 B	0.91 B	2.6	20
Barium	2 B	4.2 B	10.5 B	2.8 B	2.4 B	5.6 B	4.2 B	3.7 B	5500
Cadmium	0.05 B	0.04 U	1.8	0.08 U	0.08 U	0.08 U	0.08 U	0.11 U	78
Chromium	1.7	10.3	14.5	6.2	2.3	9.3	3.5	18.2	390
Lead	2.3	2.9	18	0.91	4	1.3	2.6	1.4	400
Mercury	0.02 B	0.03 B	0.12	0.02 U	0.02 U	0.07	0.02 B	0.02 U	23
Selenium	0.22 U	0.24 U	0.22 U	0.26 B	0.22 U	0.22 U	0.21 U	0.29 U	390
Silver	0.06 U	0.17 B	1.3	0.29 B	0.13 B	0.45 B	0.13 U	0.66 B	390

Sample Location	Nine Leaching Pools								Comparison Value
Sample ID	E7 B06 11-13	E7 B06 19-21	E7 B07 11-13	E7 B07 19-21	E7 B09 11-13	E7 B09 19-21	E7 B10 11-13	E7 B10 19-21	for Areas of Concern
Sample Depth (ft)	11-13	19-21	11-13	19-21	11-13	19-21	11-13	19-21	
Sampling Date	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.43 U	1 B	0.86 B	1.3 B	0.38 U	3.1	0.77 B	2.6	20
Barium	7.2 B	15.4 B	1.7 B	3.1 B	9.2 B	8.4 B	5.4 B	5.9 B	5500
Cadmium	0.77	0.23 B	0.05 U	0.05 U	0.41 B	0.12 B	0.04 U	0.04 U	78
Chromium	8.1	13.3	2.1	6.4	5.6	14.7	5.8	8.1	390
Lead	15	2.6	1.3	1.5	9.5	5.2	2.8	1.5	400
Mercury	0.15	0.02 U	0.02 U	0.02 U	0.17	0.04 B	0.02 U	0.02 U	23
Selenium	0.25 U	0.26 U	0.26 U	0.29 U	0.22 U	0.26 U	0.22 U	0.24 U	390
Silver	2.2	0.86 B	0.07 U	0.08 U	0.57 B	0.47 B	0.06 U	0.07 U	390

**Qualifiers**

U Constituent was not detected at the indicated concentration

B Constituent detected below the Contract Required Detection Limit but greater than or equal to the Instrument Detection Limit

E Reported value is estimated due to interference

N Spiked sample recovery not within control limits

**Notes**

Result exceeds Comparison Value for Areas of Concern

Table C-7  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- EXTERIOR AREAS OF CONCERN  
RCRA METALS

Nine Leaching Pools									
Sample Location	E7 B11 11-13	E7 B11 19-21	E7 B12 11-13	E7 B12 19-21	E7 B13 11-13	E7 B13 19-21	E7 B14 9-11	E7 B14 18-20	Comparison Value for Areas of Concern
Sample ID	11-13	19-21	11-13	19-21	11-13	19-21	9-11	18-20	
Sample Depth (ft)	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.47 B	0.91 B	0.38 U	2.4	1.2	1.3	0.37 U	0.58 B	20
Barium	1.5 B	3.5 B	11.2 B	2.8 B	2.4 B	3.3 B	2.6 B	2 B	5500
Cadmium	0.04 U	0.04 U	0.13 B	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	78
Chromium	2.4	4	13.8	7.5	9.4	3.9	3.2	2.9	390
Lead	0.79	0.93	3.7	1.6	1.1	0.91	1.1	0.64	400
Mercury	0.03 B	0.02 U	0.05	0.02 U	0.02 U	0.02 U	0.02 B	0.02 U	23
Selenium	0.22 U	0.23 U	0.25 B	0.22 U	0.37 B	0.23 U	0.23 B	0.3 B	390
Silver	0.1 B	0.15 B	3	0.42 B	0.06 U	0.06 U	0.06 U	0.06 U	390

Former Leaching Field with Twenty Leaching Pools									
Sample Location	E8 B01 6-8	E8 B01 14-16	E8 B02 6-8	E8 B02 14-16	E8 B03 8-10	E8 B03 14-16	E8 B04 10-12	E8 B04 14-16	Comparison Value for Areas of Concern
Sample ID	6-8	14-16	6-8	14-16	8-10	14-16	10-12	14-16	
Sample Depth (ft)	10/03/00	10/03/00	10/03/00	10/03/00	10/03/00	10/03/00	10/04/00	10/04/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	2.2 E	0.5 BE	2.5 E	2.4 E	0.79 BE	0.27 UE	3	3.3	20
Barium	33.4	3.5 B	44.7	4.4 B	3.7 B	3	16.7 B	5.7 B	5500
Cadmium	0.09 U	0.06 U	0.09 U	0.06 U	0.06 U	0.06 U	1.2	0.41 B	78
Chromium	11.8	19.7	16.1	10.4	2.2	2.9	8.1	21.5	390
Lead	5.5 E	1.7 E	8 E	1.4 E	1 E	1.5 E	7.9	1.4	400
Mercury	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 B	0.02 U	23
Selenium	0.25 U	0.22 U	0.26 U	0.23 U	0.22 U	0.22 U	0.23 U	0.22 U	390
Silver	0.15 UN	0.13 UN	0.15 UN	0.13 UN	0.13 UN	0.13 UN	0.23 B	0.06 B	390

Former Leaching Field with Twenty Leaching Pools									
Sample Location	E8 B06 14-16	E8 B06 22-24	E8 B06 8-10	E8 B06 14-16	E8 B07 8-10	E8 B07 14-16	E8 B08 10-12	E8 B08 20-22	Comparison Value for Areas of Concern
Sample ID	14-16	22-24	8-10	14-16	8-10	14-16	10-12	20-22	
Sample Depth (ft)	10/04/00	10/04/00	10/04/00	10/04/00	10/05/00	10/05/00	10/05/00	10/05/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.83 B	1.6	0.96 B	0.4 B	1.8	0.48 B	2.7	0.84 B	20
Barium	5.3 B	3.8 B	11.2 B	6.1 B	7.7 B	1.4 B	8.8 B	3.4 B	5500
Cadmium	0.93	0.04 U	0.15 B	0.06 B	0.04 U	0.04 U	0.21 B	0.04 U	78
Chromium	6.1	5.1	6.1	3.2	6.1	2.5	9.9	5.9	390
Lead	2.2	1.2	5.4	1.9	1.8	0.86	4.6	0.8	400
Mercury	0.02 B	0.02 B	0.04	0.02 U	0.02 U	0.17	0.02 U	0.02 B	23
Selenium	0.22 U	0.48 B	0.22 U	0.22 U	0.23 U	0.33 B	0.27 B	0.35 B	390
Silver	0.13 B	0.06 U	0.19 B	0.07 B	0.06 B	0.07 U	0.16 B	0.06 U	390

**Qualifiers**

- U: Constituent was not detected at the indicated concentration.
- B: Constituent detected below the Contract Required Detection Limit but greater than or equal to the Instrument Detection Limit.
- E: Reported value is estimated due to interference.
- N: Spilled sample recovery not within control limits.

**Notes**

- Result exceeds Comparison Value for Areas of Concern

SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- EXTERIOR AREAS OF CONCERN  
RCRA METALS

Sample Location	Former Leaching Field with Twenty Leaching Pools								Comparison Value
Sample ID	E08 B09 16-12	E08 B09 20-22	E08 B10 8-10	E08 B10 16-18	E08 B11 6-8	E08 B11 14-16	E08 B12 12-14	E08 B12 18-20	for Areas of Concern
Sample Depth (ft)	10-12	20-22	8-10	16-18	6-8	14-16	12-14	18-20	
Sampling Date	10/05/00	10/05/00	10/05/00	10/05/00	10/05/00	10/05/00	10/05/00	10/05/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	2.4	1.5	0.45 U	0.42 U	0.85 B	1.2	1.3	0.43 B	20
Barium	7.2 B	12.3 B	4.5 B	3 B	4.1 B	7.8 B	11.2 B	5.4 B	5500
Cadmium	0.17 B	0.87	0.11 B	0.05 U	0.04 U	0.04 U	0.51 B	0.24 B	76
Chromium	5.3	6.2	2.5	2.7	18.1	21.3	6.7	4.9	390
Lead	2.8	4.6	1.2	0.8	0.94	2.1	3.4	1.7	400
Mercury	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	23
Selenium	0.22 U	0.3 B	0.53 B	0.69	0.21 U	0.34 B	0.71	0.25 U	390
Silver	0.06 B	0.15 B	0.07 U	0.08 B	0.08 B	0.1 B	0.1 B	0.1 B	390



Sample Location	Former Leaching Field with Twenty Leaching Pools		Former Coal Storage Bin		Seven Former Leaching Pools				Comparison Value
Sample ID	E08B14 8-10	E08B14-16-18	E09 B01 0-2	E09 B01 6-8	E10 B01 13-15	E10 B01 21-23	E10 B02 11-13	E10 B02 19-21	for Areas of Concern
Sample Depth (ft)	8-10	16-18	0-2	6-8	13-15	21-23	11-13	19-21	
Sampling Date	10/11/00	10/11/00	10/02/00	10/02/00	10/12/00	10/12/00	10/12/00	10/12/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	2.8	0.59 U	7.4	14.2	0.58 U	1.5	0.57 U	0.59 U	20
Barium	38.4	8.2 B	18.5 B	19.7	7.3 B	3 B	6.7 B	4.3 B	5500
Cadmium	0.24 U	0.21 U	0.12 B	0.3 B	0.2 U	0.21 U	0.2 U	0.21 U	76
Chromium	15.7	6.4	10.9	12.1	3.4	3.9	2.6	11.8	390
Lead	9.5	3	33.4	32.8	3	2.8	3.3	3.7	400
Mercury	0.04 UN	0.04 UN	0.2	0.13	0.04 *	0.04 U*	0.03 U*	0.03 U*	23
Selenium	0.53 B	0.42 U	0.25 U	0.65	0.41 U	0.42 U	0.4 U	0.41 U	390
Silver	0.28 B	0.17 U	0.21 BN	0.15 BN	0.16 U	0.17 U	0.16 U	0.17 U	390

Sample Location	Seven Former Leaching Pools								Comparison Value
Sample ID	E10 B03 12-14	E10 B03 20-22	E10B04 11-13	E10B04 19-21	E10 B05 10-12	E10 B05 16-18	E10 B06 10-12	E10 B06 16-18	for Areas of Concern
Sample Depth (ft)	12-14	20-22	11-13	19-21	10-12	16-18	10-12	16-18	
Sampling Date	10/02/00	10/02/00	10/11/00	10/11/00	10/02/00	10/02/00	10/02/00	10/02/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.53 B	2	0.66 U	0.58 U	7.6	0.99 B	1.8	0.62 B	20
Barium	9.3 B	3.7 B	17.5 B	4.4 B	123	2.6 B	49	3.3 B	5500
Cadmium	0.04 U	0.04 U	0.44 B	0.2 U	42	0.04 U	16.7	0.05 U	76
Chromium	2.6	12.3	6.6	4.2	134	3.1	99.8	2.4	390
Lead	3.1	1.8	60.9	5.1	183	1.2	65.2	1.2	400
Mercury	0.6	0.15	0.04 UN	0.03 UN	0.77	0.02 U	0.09	0.02 U	23
Selenium	0.23 U	0.23 U	0.46 U	0.41 U	3.8	0.22 U	1	0.25 U	390
Silver	0.15 BN	0.12 BN	0.18 U	0.16 U	8.3 N	0.09 BN	2.1 N	0.13 BN	390

**Qualifiers**

U Constituent was not detected at the indicated concentration

B Constituent detected below the Contract Required Detection Limit but greater than or equal to the Instrument Detection Limit

E Reported value is estimated due to interference

N Spiked sample recovery not within control limits

**Notes**

Result exceeds Comparison Value for Areas of Concern

Table C-7  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- EXTERIOR AREAS OF CONCERN  
RCRA METALS

Sample Location	Seven Former Leaching Pools		Former Dry Well		Former Drum Storage Area				Comparison Value for Areas of Concern
Sample ID	E10B04 6-10	E10B04 14-16	E12B01 10-12	E12B01 18-20	E13 B01 1-3'	E13 B01 3-5'	E13 B02 0-2'	E13 B02 2-4'	
Sample Depth (ft)	6-10	14-16	10-12	18-20	1-3	3-5	0-2	2-4	
Sampling Date	10/11/00	10/11/00	10/11/00	10/11/00	09/25/00	09/25/00	09/25/00	09/25/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.67 B	1.1	0.61 U	0.57 U	5.5	1.5	2.5	2.7	20
Barium	19.6 B	4 B	2.7 B	6.6 B	25.1	4.2 B	22.2 B	18.4 B	5500
Cadmium	0.2 U	0.2 U	0.21 U	0.2 U	0.05 U	0.04 U	2	0.19 B	78
Chromium	11.6	5.8	2.4	10.7	43.5	3.2	122	19.1	390
Lead	15.3	3	2.9	3.5	9	1.6	43.6	14.3	400
Mercury	0.09 N	0.03 UN	0.04 UN	0.04 UN	0.03 B	0.02 U	0.26	0.03 B	23
Selenium	0.58	0.4 U	0.48 B	0.4 U	0.25 U	0.23 U	0.24 U	0.24 U	390
Silver	0.16 U	0.16 U	0.17 U	0.16 U	0.15 B	0.08 B	0.07 B	0.07 B	390

Sample Location	Existing On-site Recharge Basin				Former On-site Recharge Basin		Unidentified Pit		Comparison Value for Areas of Concern
Sample ID	E18 B01 0-2	E18 B01 2-4	E18 B02 0-2	E18 B02 2-4	E19B01 8-10'	E19B01 18-20'	E20 B01 2-4'	E20 B01 4-6'	
Sample Depth (ft)	0-2	2-4	0-2	2-4	8-10	18-20	2-4	4-6	
Sampling Date	10/05/00	10/05/00	10/05/00	10/05/00	10/09/00	10/09/00	09/28/00	09/28/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	1.6	1 B	1.4	0.57 B	5.5	1.1	1.3	0.9 B	20
Barium	3.7 B	3.9 B	5.1 B	2.2 B	23.1 B	5.7 B	8.1 B	6.4 B	5500
Cadmium	0.1 B	0.17 B	0.16 B	0.07 B	0.1 U	0.43 B	0.28 B	0.1 B	78
Chromium	5.4	5.8	5	6.6	47	220	94.3 N	24.7 N	390
Lead	4.4	11.3	12.7	1.9	28.5 E	7.2 E	4.7 E	2 E	400
Mercury	0.03 B	0.02 U	0.03 B	0.02 B	0.04 UN	0.04 UN	0.04 N	0.03 BN	23
Selenium	0.23 U	0.4 B	0.36 B	0.35 B	0.88	0.23 U	0.23 U	0.23 U	390
Silver	1.1	0.34 B	0.19 B	0.32 B	0.16 U	0.13 U	0.07 B	0.1 B	390

Sample Location	Former AST and Salvage Area								Comparison Value for Areas of Concern
Sample ID	E21 B02 0-2	E21 B02 2-4	E21 B03 0-2	E21 B03 2-4	E21 B04 0-2	E21 B04 2-4	E21 B05 0-2	E21 B05 2-4	
Sample Depth (ft)	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	
Sampling Date	09/29/00	09/29/00	09/29/00	09/29/00	09/29/00	09/29/00	09/29/00	09/29/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	2.7	1.4	3.6	4.6	5.3	4.3	3.9	5.1	20
Barium	9.7 B	7.4 B	16.9 B	28.1	14.7 B	28.9	15.9 B	20.2 B	5500
Cadmium	0.04 U	0.04 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.04 U	78
Chromium	7.6	5.4	8.2	11.3	11	14.1	10.6	9.2	390
Lead	5.6	2.6	9.1	7.7	6.8	7.8	6.2	4.8	400
Mercury	0.03 B	0.07	0.04	0.03 B	0.03 B	0.02 B	0.04	0.03 B	23
Selenium	0.34 B	0.24 U	0.72	0.25 U	0.25 U	0.25 U	0.9	0.24 U	390
Silver	0.12 B	0.09 B	0.16 B	0.08 B	0.1 B	0.09 B	0.18 B	0.27 B	390

**Qualifiers**

U Constituent was not detected at the indicated concentration

B Constituent detected below the Contract Required Detection Limit but greater than or equal to the Instrument Detection Limit

E Reported value is estimated due to interference

N Spiked sample recovery not within control limits

**Notes**

Result exceeds Comparison Value for Areas of Concern



SUMMARY OF ANALYTICAL RESULTS  
 NGC-PLANT 1- EXTERIOR AREAS OF CONCERN  
 RCRA METALS

Sample Location	Material storage Area								Comparison Value
Sample ID	E22 B01 0-2	E22 B01 2-4	E22 B02 0-2*	E22 B02 2-4	E22 B03 0-2	E22 B03 2-4	E22 B04 0-2*	E22 B04 2-4*	for Areas of Concern
Sample Depth (ft)	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	
Sampling Date	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	4.2	2.7	2.9	2.8	3.1	1.1	7.2	4.9	20
Barium	23.3	12.1	11.5	14.5	18.1	6.2	21.1	33	5500
Cadmium	0.04	0.05	0.26	0.05	0.05	0.05	0.05	0.05	78
Chromium	12.9	8.9	7	6.2	7.8	5.4	8.3	18.1	390
Lead	8.9	5.2	22.6	6.3	10.1	2.5	34	11	400
Mercury	0.02	0.02	0.05	0.02	0.02	0.02	0.04	0.02	23
Selenium	0.24	0.38	0.26	0.35	0.26	0.26	0.98	0.27	390
Silver	0.15	0.12	0.17	0.15	0.18	0.07	0.15	0.14	390

Sample Location	Former Concrete Sump Pit		Pump Station A		Catch Basins (Vicinity of Pump House/Water Tank)				Comparison Value
Sample ID	E25 B01 5-7	E25 B01 7-9	E30 B01 13-15	E30 B01 15-17	E32 B01 6-8	E32 B01 8-10	E32 B02 6-8	E32 B02 8-10	for Areas of Concern
Sample Depth (ft)	5-7	7-9	13-15	15-17	6-8	8-10	6-8	8-10	
Sampling Date	10/04/00	10/04/00	10/18/00	10/18/00	10/16/00	10/16/00	10/16/00	10/16/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	2.9	0.43	2	1	0.56	1.7	1.5	1.1	20
Barium	23.8	1.8	13.6	3.6	3.1	10.4	10.7	5	5500
Cadmium	0.05	0.13	0.05	0.05	0.04	0.04	0.04	0.04	78
Chromium	7.6	2.1	6.7	2.3	114	5.5	4.7	9.2	390
Lead	5.3	0.9	8.3	1.2	2.6	2.7	2.4	1.3	400
Mercury	0.02	0.06	0.04	0.04	0.1	0.04	0.03	0.03	23
Selenium	0.26	0.25	0.73	0.45	0.39	0.4	0.38	0.39	390
Silver	0.07	0.07	0.07	0.07	0.06	0.06	0.07	0.09	390

Sample Location	Former Tank 1111 (Between Hangars 1 and 2)		Courtyard Between Hangar 1 and 2						Comparison Value
Sample ID	E33 B01 1-3*	E33 B01 3-5*	E34 B01 1-3	E34 B01 3-5	E34 B02 1-3*	E34 B02 3-5*	E34 B03 0-2*	E34 B03 2-4*	for Areas of Concern
Sample Depth (ft)	1-3	3-5	1-3	3-5	1-3	3-5	0-2	2-4	
Sampling Date	09/28/00	09/28/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	5.2	3.6	3.3	1.2	2.8	0.39	2	1.4	20
Barium	3.4	17.6	13	2.4	4.8	2	5	3.3	5500
Cadmium	0.6	0.2	0.04	0.04	0.87	0.04	0.04	0.04	78
Chromium	49.3	26.8	7.4	3.2	57.7	2.3	6.5	6.2	390
Lead	47.9	16.1	8.3	1.3	50.4	1.1	3.5	1.7	400
Mercury	0.1	0.03	0.02	0.02	0.1	0.02	0.02	0.02	23
Selenium	0.26	0.5	0.22	0.43	0.23	0.23	0.24	0.22	390
Silver	6.2	1.8	0.1	0.06	14.1	0.08	0.1	0.1	390

**Qualifiers**

U: Constituent was not detected at the indicated concentration  
 B: Constituent detected below the Contract Required Detection Limit but greater than or equal to the Instrument Detection Limit  
 E: Reported value is estimated due to interference  
 N: Spiked sample recovery not within control limits

**Notes**

Result exceeds Comparison Value for Areas of Concern

Table C-7  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1- EXTERIOR AREAS OF CONCERN  
RCRA METALS

Sample Location	Courtyard Between Hangar 1 and 2		Area West of Hangar 1				Former Drainage Swale (N of Maintenance Area)		Comparison Value
Sample ID	E34 B04 0-2'	E34 B04 2-4'	E35 B01 0-2'	E35 B01 2-4'	E35 B02 0-2'	E35 B02 2-4'	E36 B01 1-3'	E36 B01 3-5'	for Areas of Concern
Sample Depth (ft)	0-2	2-4	0-2	2-4	0-2	2-4	1-3	3-5	
Sampling Date	09/25/00	09/25/00	10/10/00	10/10/00	10/10/00	10/10/00	09/25/00	09/25/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.57 B	1.6	2.8	1.4	0.79 B	0.9 B	1.4	0.62 B	20
Barium	1.5 B	7.3 B	10.7 B	6 B	2.6 B	3.5 B	3.9 B	6.1 B	5500
Cadmium	0.04 U	0.05 U	4.2	1.1	0.04 U	0.05 B	2.7	0.04 U	78
Chromium	2.4	4.6	14	6.5	3.2	4	70.1	4.5	390
Lead	0.79	3.5	19.5	3.6	2	3.5	20.2	1.4	400
Mercury	0.02 U	0.02 U	0.04 UN	0.05 N	0.03 UN	0.04 UN	0.1	0.02 U	23
Selenium	0.22 U	0.56 B	0.27 B	0.23 U	0.22 U	0.23 U	0.24 U	0.22 U	390
Silver	0.06 B	0.06 B	0.06 U	0.06 U	0.06 B	0.07 B	30.8	0.06 U	390

Sample Location	Former Drainage Swale (N of Maintenance Area)		Former Discoloration (SE Parking Area)				Boiler Room Exterior Former Dry Well		Comparison Value
Sample ID	E36 B02 1-3'	E36 B02 3-5'	E37 B01 0-2'	E37 B01 2-4'	E37 B02 0-2'	E37 B02 2-4'	E38 B01 10-12'	E38 B01 20-22'	for Areas of Concern
Sample Depth (ft)	1-3	3-5	0-2	2-4	0-2	2-4	10-12	20-22	
Sampling Date	09/25/00	09/25/00	09/29/00	09/29/00	09/29/00	09/29/00	10/12/00	10/12/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	3.2	10.6	1.6	1.7	2.6	0.46 B	0.65 U	0.67 U	20
Barium	4.7 B	7 B	8.3 B	19.3 B	7.6 B	3.2 B	3.2 B	4.5 B	5500
Cadmium	3.2	1.5	0.04 U	0.04 U	0.04 U	0.04 U	0.23 U	0.23 U	78
Chromium	87.3	50.7	5.5	7.3	4.5	2.5	2	3.3	390
Lead	25.2	7.5	3.7	4.2	11.3	1.3	2.6	2.6	400
Mercury	0.05	0.06	0.02 U	0.05	0.04	0.02 U	0.04 U	0.04 U	23
Selenium	0.23 U	0.23 U	0.48 B	0.24 U	0.51 B	0.23 U	0.46 U	0.47 U	390
Silver	36.9	0.06 U	0.07 B	0.08 B	0.12 B	0.06 U	0.18 U	0.19 U	390

Sample Location	Dry Well Outside Former Facility Maintenance Area		Dry Well Outside Former Paint Tunnel		Unidentified Pit Outside Boiler Room		Former 2,000 Gal Gas USTs(4) S of Refrig./A.C. Room		Comparison Value
Sample ID	E39 B01 8-10'	E39 B01 20-22'	E41 B01 8-10'	E41 B01 18-20'	E42 B01 3-5'	E42 B01 5-7'	E43 B01 6-8'	E43 B01 14-16'	for Areas of Concern
Sample Depth (ft)	8-10	20-22	8-10	18-20	3-5	5-7	6-8	14-16	
Sampling Date	10/12/00	10/12/00	10/12/00	10/12/00	10/12/00	10/12/00	10/12/00	10/12/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.56 U	0.66 B	2.3	1.3	0.87 B	0.56 U	1.8	0.95 B	20
Barium	3.3 B	7.7 B	12.7 B	5 B	15.1 B	4.4 B	12.6 B	2.9 B	5500
Cadmium	0.2 U	0.2 U	0.25 U	0.2 U	0.21 U	0.2 U	0.22 U	0.22 U	78
Chromium	1.7	10.7	38.8	8.7	6	2.5	6.2	7	390
Lead	2.9	3.2	27.8	3.8	5.6	14.6	26.1	4.1	400
Mercury	0.03 U	0.03 U	0.04 U	0.03 U	0.04 U	0.03 U	0.04 U	0.04 U	23
Selenium	0.41 B	0.41 U	0.5 U	0.41 U	0.42 U	0.41 U	0.45 U	0.51 B	390
Silver	0.16 U	0.16 U	4.3	0.16 U	0.17 U	0.16 U	0.18 U	0.18 U	390

**Qualifiers**

U Constituent was not detected at the indicated concentration.  
B Constituent detected below the Contract Required Detection Limit but greater than or equal to the Instrument Detection Limit  
E Reported value is estimated due to interference  
N Spilled sample recovery not within control limits

**Notes**

Result exceeds Comparison Value for Areas of Concern

SUMMARY OF ANALYTICAL RESULTS  
 NGC-PLANT 1- EXTERIOR AREAS OF CONCERN  
 RCRA METALS

Sample Location	Former Gas Pump House S of Refrig/AC Room		LIPA Pit/Sump			Square Ejector Pit North of Recharge Basin			Comparison Value for Areas of Concern
Sample ID	E44B01 0-2	E44B01 2-4	D14B01 5-7	D14B01 7-9	D14B01 9-11	D15B01 6-8	D15B01 10-12	D15B01 14-16	
Sample Depth (ft)	0-2	2-4	5-7	7-9	9-11	6-8	10-12	14-16	
Sampling Date	10/11/00	10/11/00	01/08/01	01/08/01	01/08/01	04/10/01	04/10/01	04/10/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	2.6	1.4	7.9	9.1	1.6	1.9	0.26 U	0.88 B	20
Barium	10.8 B	15.7 B	15.1 B	10.4 B	6.9 B	21.7	2.9 B	3.6 B	5500
Cadmium	0.23 U	0.23 U	1.0	0.41 B	0.21	0.04 U	0.04 U	0.24 B	78
Chromium	6	6.7	383	221	49.5	25.4	8.7	39.2	390
Lead	9.1	5.6	7.8	5.0	3.2	4.6	0.98	1.3	400
Mercury	0.05 N	0.04 UN	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	23
Selenium	1.1	0.79	0.83	0.42 U	0.43 U	0.34 U	0.33 U	0.34 U	390
Silver	0.22 B	0.18 U	0.66 B	0.17 U	0.23 B	0.26 B	0.14 U	0.15 B	390



Sample Location	Square Ejector Pit North of Recharge Basin		Pit In Room Adjacent to South Side of Former Carpentry Shop						Comparison Value for Areas of Concern
Sample ID	D15B01 17-19	D15B01 19-21	D17B01 0-2	D17B01 2-4	D17B01 4-6				
Sample Depth (ft)	17-19	19-21	0-2	2-4	4-6				
Sampling Date	04/10/01	04/10/01	04/10/01	04/10/01	04/10/01				
Matrix	S	S	S	S	S				
Dilution Factor	1.0	1.0	1.0	1.0	1.0				
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg				mg/kg
Arsenic	0.26 U	1.4	0.65 B	0.79 B	2				20
Barium	3.9 B	16.2 B	8.5 B	7.1 B	31				5500
Cadmium	0.09 B	0.59	0.04 U	0.04 U	0.2 B				78
Chromium	39.5	584	10.8	21.2	27				390
Lead	1.9	10.9	14.3	5	104				400
Mercury	0.04 U	0.09	0.03 U	0.03 U	0.03 U				23
Selenium	0.33 U	0.36 U	0.32 U	0.32 U	0.32 U				390
Silver	0.14 U	0.4 B	0.13 U	0.19 B	0.26 B				390

**Qualifiers**

- U Constituent was not detected at the indicated concentration
- B Constituent detected below the Contract Required Detection Limit but greater than or equal to the Instrument Detection Limit
- E Reported value is estimated due to interference
- N Spiked sample recovery not within control limits

**Notes**

- ☐ Result exceeds Comparison Value for Areas of Concern

Table C-8  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Settling Tanks/Leaching Pools								Comparison Value for Areas of Concern
	E1 B01 14-16	E1 B01 20-22	E01 B02 12-14	E01 B02 20-22	E01 B03 12-14	E01 B03 20-22	E01 B04 12-14	E01 B04 20-22	
Sample ID	14-16	20-22	12-14	20-22	12-14	20-22	12-14	20-22	
Sampling Date	10/17/00	10/17/00	10/09/00	10/09/00	10/09/00	10/09/00	10/09/00	10/09/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
Bromomethane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
Vinyl Chloride	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	300
Chloroethane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
Methylene Chloride	9.9	3.2 JB	14 J	6	2.6 J	5.7 U	6 U	5.5 U	85000
Trichlorofluoromethane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
1,1-Dichloroethene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	1000
1,1-Dichloroethane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	7800000
trans-1,2-Dichloroethene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	1600000
cis-1,2-Dichloroethene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	780000
Chloroform	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	100000
1,2-Dichloroethane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	7000
1,1,1-Trichloroethane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
Carbon Tetrachloride	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	5000
Bromodichloromethane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	10000
1,2-Dichloropropane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	9000
cis-1,3-Dichloropropane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	4000
Trichloroethene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	58000
Dibromochloromethane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
1,1,2-Trichloroethane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	11000
Benzene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	22000
1,3-Dichloropropane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	4000
2-Chloroethyl Vinyl Ether	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
Bromoform	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	81000
Tetrachloroethene	5.2 U	5.2 U	40	5.6 U	6 U	5.7 U	2.8 J	5.5 U	12000
1,1,2,2-Tetrachloroethane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	3000
Toluene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	16000000
Chlorobenzene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	1600000
2-Butanone	5.2 U	5.2 U	88	3.2 J	6 U	5.7 U	6 U	5.5 U	—
Ethyl Benzene	5.2 U	5.2 U	11 J	5.6 U	6 U	5.7 U	6 U	5.5 U	7800000
m,p-Xylenes	5.2 U	5.2 U	34	5.6 U	6 U	5.7 U	1.2 J	5.5 U	16000000
o-Xylene	5.2 U	5.2 U	17 J	5.6 U	6 U	5.7 U	6 U	5.5 U	16000000
Acetone	5.2 U	5.2 U	340	7.7	16	24	46	48	7800000
Carbon Disulfide	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	7800000
4-Methyl-2-Pentanone	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
2-Hexanone	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
Styrene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	16000000
1,3-Dichlorobenzene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
1,4-Dichlorobenzene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	27000
1,2-Dichlorobenzene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	7000000
Dichlorodifluoromethane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
Vinyl Acetate	26 U	26 U	150 U	28 U	30 U	29 U	30 U	27 U	78000000
2,2-Dichloropropane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
Bromochloromethane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
1,1-Dichloropropane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
1,3-Dichloropropane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
1,2-Dibromoethane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
Isopropylbenzene	5.2 U	5.2 U	7.1 J	5.6 U	6 U	5.7 U	6 U	5.5 U	—
1,2,3-Trichloropropane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
1,1,1,2-Tetrachloroethane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
Bromobenzene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
n-propylbenzene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
2-Chlorotoluene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
1,3,5-Trimethylbenzene	5.2 U	5.2 U	110	5.6 U	6 U	5.7 U	5.9 J	5.5 U	—
4-Chlorotoluene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
tert-Butylbenzene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	17	5.5 U	—
1,2,4-Trimethylbenzene	5.2 U	5.2 U	110	5.6 U	6 U	5.7 U	6 U	5.5 U	—
sec-Butylbenzene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
p-Isopropyltoluene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	17	5.5 U	—
Dibromomethane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
n-Butylbenzene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
1,2-Dibromo-3-Chloropropane	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
1,2,4-Trichlorobenzene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	780000
Hexachlorobutadiene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	8000
Naphthalene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	3100000
MTBE	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
1,2,3-Trichlorobenzene	5.2 U	5.2 U	30 U	5.6 U	6 U	5.7 U	6 U	5.5 U	—
Total Conc. VOAs (g)	10	3	771	17	19	24	90	48	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantification limit but greater than zero.

The concentration given is an approximate value.

B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

— Not established

SUMMARY ANALYTICAL RESULTS  
 NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
 VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Settling Tanks/Leaching Pools								Comparison Value for Areas of Concern
	E01 B05 12-14	E01 B05 18-20	E1B06 12-14	E1B06 20-22	E1B07 12-14	E1B07 20-22	E01 B08 18-20	E01 B08 24-26	
Sample ID	12-14	18-20	12-14	20-22	12-14	20-22	18-20	24-26	
Sampling Date	10/09/00	10/09/00	10/11/00	10/11/00	10/11/00	10/11/00	10/10/00	10/10/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	10	10	10	10	10	10	10	10	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
Bromomethane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
Vinyl Chloride	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	300
Chloroethane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
Methylene Chloride	3.1 J	2.7 J	5.2 U	5.2 U	6.3	5.2 U	6.9	6.7	85000
Trichlorofluoromethane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
1,1-Dichloroethene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	1000
1,1-Dichloroethane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	7800000
trans-1,2-Dichloroethene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	1600000
cis-1,2-Dichloroethene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	780000
Chloroform	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	100000
1,2-Dichloroethane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	7000
1,1,1-Trichloroethane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
Carbon Tetrachloride	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	5000
Bromodichloromethane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	10000
1,2-Dichloropropane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	9000
cis-1,3-Dichloropropene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	4000
Trichloroethene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	58000
Dibromochloromethane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
1,1,2-Trichloroethane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	11000
Benzene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	22000
1,3-Dichloropropene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	4000
2-Chloroethyl Vinyl Ether	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
Bromoform	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	81000
Tetrachloroethene	4.5 J	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	12000
1,1,2,2-Tetrachloroethane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	3000
Toluene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	16000000
Chlorobenzene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	1600000
2-Butanone	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
Ethyl Benzene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	7800000
m/p-Xylenes	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	160000000
o-Xylene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	160000000
Acetone	19	47	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	7800000
Carbon Disulfide	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	7800000
4-Methyl-2-Pentanone	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
2-Hexanone	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
Styrene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	16000000
1,3-Dichlorobenzene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
1,4-Dichlorobenzene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	27000
1,2-Dichlorobenzene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	7000000
Dichlorodifluoromethane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
Vinyl Acetate	32 U	27 U	26 U	26 U	26 U	26 U	26 U	27 U	7800000
2,2-Dichloropropane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
Bromochloromethane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
1,1-Dichloropropene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
1,3-Dichloropropane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
1,2-Dibromoethane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
Isopropylbenzene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
1,2,3-Trichloropropane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
1,1,1,2-Tetrachloroethane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
Bromobenzene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
n-propylbenzene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
2-Chlorotoluene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
1,3,5-Trimethylbenzene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
4-Chlorotoluene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
tert-Butylbenzene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
1,2,4-Trimethylbenzene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
sec-Butylbenzene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
p-Isopropyltoluene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
Dibromomethane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
n-Butylbenzene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
1,2-Dibromo-3-Chloropropane	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
1,2,4-Trichlorobenzene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	780000
Hexachlorobutadiene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	8000
Naphthalene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	3100000
MTBE	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
1,2,3-Trichlorobenzene	6.3 U	5.4 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.4 U	---
Total Conc. VOAs (g)	27	50	ND	ND	6	ND	7	7	10000

**Qualifiers**

U The compound was not detected at the indicated concentration  
 J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero  
 The concentration given is an approximate value  
 S The sample was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

--- Not established  
 ND Not detected

Table C-6  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Settling Tanks/Leaching Pools								Comparison Value for Areas of Concern
	E01 B09 16-18	E01 B09 24-26	E01 B11 12-14	E01 B11 20-22	E01 B12 12-14	E01 B12 20-22	E01 B13 12-14	E01 B13 20-22	
Sample ID	16-18	24-26	12-14	20-22	12-14	20-22	12-14	20-22	
Sample Depth (ft)	10/10/00	10/10/00	10/10/00	10/10/00	10/13/00	10/13/00	10/13/00	10/13/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
Bromomethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
Vinyl Chloride	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	300
Chloroethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
Methylene Chloride	5.1 U	5.2 U	6 U	5.9 U	16	16	31	16	85000
Trichlorofluoromethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
1,1-Dichloroethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	1000
1,1-Dichloroethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	7800000
trans-1,2-Dichloroethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	1600000
cis-1,2-Dichloroethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	780000
Chloroform	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	100000
1,2-Dichloroethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	7000
1,1,1-Trichloroethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
Carbon Tetrachloride	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	5000
Bromodichloromethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	10000
1,2-Dichloropropane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	9000
cis-1,3-Dichloropropane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	4000
Trichloroethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	58000
Dibromochloromethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
1,1,2-Trichloroethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	11000
Benzene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	22000
1,1,3-Dichloropropane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	4000
2-Chloroethyl Vinyl Ether	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
Bromoform	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	81000
Tetrachloroethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	12000
1,1,2,2-Tetrachloroethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	3000
Toluene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	16000000
Chlorobenzene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	1600000
2-Butanone	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
Ethyl Benzene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	7800000
m,p-Xylenes	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	160000000
o-Xylene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	160000000
Acetone	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	7800000
Carbon Disulfide	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	7800000
4-Methyl-2-Pentanone	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
2-Hexanone	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
Styrene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	16000000
1,3-Dichlorobenzene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
1,4-Dichlorobenzene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	27000
1,2-Dichlorobenzene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	7000000
Dichlorodifluoromethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
Vinyl Acetate	26 U	26 U	30 U	29 U	26 U	32 U	47 U	30 U	78000000
2,2-Dichloropropane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
Bromochloromethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
1,1-Dichloropropane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
1,3-Dichloropropane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
1,2-Dibromoethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
Isopropylbenzene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
1,2,3-Trichloropropane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
1,1,1,2-Tetrachloroethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
Bromobenzene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
n-Propylbenzene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
2-Chlorotoluene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
1,3,5-Trimethylbenzene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
4-Chlorotoluene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
tert-Butylbenzene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
1,2,4-Trimethylbenzene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
sec-Butylbenzene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
p-Isopropyltoluene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
Dibromomethane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
n-Butylbenzene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
1,2-Dibromo-3-Chloropropane	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
1,2,4-Trichlorobenzene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	780000
Hexachlorobutadiene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	8000
Naphthalene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	3100000
MTBE	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
1,2,3-Trichlorobenzene	5.1 U	5.2 U	6 U	5.9 U	5.6 U	6.3 U	9.4 U	6.1 U	—
Total Conc. VOAs (g)	ND	ND	ND	2	17	16	31	16	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

The concentration given is an approximate value.

B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

— Not established

ND, Not detected

C-8  
SUMMARY ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Settling Tanks/Leaching Pools		Six Former Leaching Pools						Companion Value for Areas of Concern
Sample ID	E01 B14 12-14	E01 B14 18-20	E2 B01 12-14	E2 B01 20-22	E2 B02 6-8	E2 B02 14-16	E2 B03 12-14	E2 B03 20-22	
Sample Depth (ft)	12-14	18-20	12-14	20-22	6-8	14-16	12-14	20-22	
Sampling Date	10/09/00	10/09/00	09/29/00	09/29/00	09/28/00	09/28/00	09/29/00	09/29/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
Bromomethane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
Vinyl Chloride	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	300
Chloroethane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
Methylene Chloride	5.2 J	5.1 U	5.9	5.6	2.3 J	1.4 J	5. J	7.1	85000
Trichlorofluoromethane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
1,1-Dichloroethene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	1000
1,1-Dichloroethane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	7800000
trans-1,2-Dichloroethene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	1600000
cis-1,2-Dichloroethene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	780000
Chloroform	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	100000
1,2-Dichloroethane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	7000
1,1,1-Trichloroethane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
Carbon Tetrachloride	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	5000
Bromodichloromethane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	10000
1,2-Dichloropropane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	9000
cis-1,3-Dichloropropene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	4000
Trichloroethene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	58000
Dibromochloromethane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
1,1,2-Trichloroethane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	11000
Benzene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	22000
t-1,3-Dichloropropene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	4000
2-Chloroethyl Vinyl Ether	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
Bromoform	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	81000
Tetrachloroethene	5.3 U	1.6 J	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	12000
1,1,2,2-Tetrachloroethane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	3000
Toluene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	16000000
Chlorobenzene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	1600000
2-Butanone	2.6 J	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
Ethyl Benzene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	7800000
m/p-Xylenes	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	16000000
o-Xylene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	16000000
Acetone	6.1	91	5.1 U	5.2 U	12	5.2 U	5.2 U	5.3 U	7800000
Carbon Disulfide	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	7800000
4-Methyl-2-Pentanone	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
2-Hexanone	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
Styrene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	16000000
1,3-Dichlorobenzene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
1,4-Dichlorobenzene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	27000
1,2-Dichlorobenzene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	7000000
Dichlorodifluoromethane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
Vinyl Acetate	26 U	26 U	26 U	26 U	27 U	26 U	27 U	27 U	78000000
2,2-Dichloropropane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
Bromochloromethane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
1,1-Dichloropropene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
1,3-Dichloropropene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
1,2-Dibromoethane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
Isopropylbenzene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
1,2,3-Trichloropropane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
1,1,1,2-Tetrachloroethane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
Bromobenzene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
n-Propylbenzene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
2-Chlorotoluene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
1,3,5-Trimethylbenzene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
4-Chlorotoluene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
tert-Butylbenzene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
1,2,4-Trimethylbenzene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
sec-Butylbenzene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
p-Isopropyltoluene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
Dibromomethane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
n-Butylbenzene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
1,2-Dibromo-3-Chloropropane	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
1,2,4-Trichlorobenzene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	780000
Hexachlorobutadiene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	8000
Naphthalene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	3100000
MTBE	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
1,2,3-Trichlorobenzene	5.3 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	---
Total Conc. VOAs (s)	14	93	6	6	14	1	5	7	10000

**Qualifiers**

U The compound was not detected at the indicated concentration

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

S. The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

--- Not established

Table C-8  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Six Former Leaching Pools		Former Heat Treat Drainage Wells				Former Dry Well		Comparison Value for Areas of Concern
Sample ID	E2 B04 12-14	E2 B04 24-26	E03 B01 16-18	E03 B01 22-24	E03 B02 14-16	E03 B02 20-22	E04 B01 8-10	E04 B01 16-20	
Sample Depth (ft)	12-14	24-26	16-18	22-24	14-16	20-22	8-10	16-20	
Sampling Date	09/29/00	09/29/00	10/10/00	10/10/00	10/10/00	10/10/00	10/12/00	10/12/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
Bromomethane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
Vinyl Chloride	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	300
Chloroethane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
Methylene Chloride	4.5 J	6	5.6 U	6 U	5.9 U	6.3 U	3.8 J	3.1 J	85000
Trichlorofluoromethane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
1,1-Dichloroethane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	1000
1,1-Dichloroethane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	7800000
trans-1,2-Dichloroethane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	1600000
cis-1,2-Dichloroethane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	780000
Chloroform	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	100000
1,2-Dichloroethane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	7000
1,1,1-Trichloroethane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
Carbon Tetrachloride	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	5000
Bromodichloromethane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	10000
1,2-Dichloropropane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	9000
cis-1,3-Dichloropropane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	4000
Trichloroethene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	58000
Dibromochloromethane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
1,1,2-Trichloroethane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	11000
Benzene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	22000
1-1,3-Dichloropropane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	4000
2-Chloroethyl Vinyl Ether	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
Bromoforn	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	81000
Tetrachloroethene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	12000
1,1,2,2-Tetrachloroethane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	3000
Toluene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	16000000
Chlorobenzene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	1600000
2-Butanone	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
Ethyl Benzene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	7800000
m/p-Xylenes	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	160000000
o-Xylene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	160000000
Acetone	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	7800000
Carbon Disulfide	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	7800000
4-Methyl-2-Pentanone	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
2-Hexanone	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
Styrene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	16000000
1,3-Dichlorobenzene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
1,4-Dichlorobenzene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	27000
1,2-Dichlorobenzene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	7000000
Dichlorodifluoromethane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
Vinyl Acetate	5.1 U	25 U	28 U	30 U	29 U	31 U	30 U	26 U	78000000
2,2-Dichloropropane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
Bromochloromethane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
1,1-Dichloropropane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
1,3-Dichloropropane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
1,2-Dibromoethane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
Isopropylbenzene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
1,2,3-Trichloropropane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
1,1,1,2-Tetrachloroethane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
Bromobenzene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
n-propylbenzene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
2-Chlorotoluene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
1,3,5-Trimethylbenzene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
4-Chlorotoluene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
tert-Butylbenzene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
1,2,4-Trimethylbenzene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
sec-Butylbenzene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
p-Isopropyltoluene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
Dibromomethane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
n-Butylbenzene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
1,2-Dibromo-3-Chloropropane	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
1,2,4-Trichlorobenzene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	780000
Hexachlorobutadiene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	8000
Naphthalene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	3100000
MTBE	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
1,2,3-Trichlorobenzene	5.1 U	5.5 U	5.6 U	6 U	5.9 U	6.3 U	6 U	5.2 U	—
Total Conc. VOAs (g)	5	6	ND	ND	ND	ND	4	3	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantification limit but greater than zero. The concentration given is an approximate value.

S The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

— Not established

ND Not detected



SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Leaching Pool Area								Comparison Value for Areas of Concern
	E6 B01 10-12	E6 B01 20-22	E6 B02 10-12	E6 B02 20-22	E6 B03 10-12	E6 B03 20-22	E6 B04 10-12	E6 B04 20-22	
Sample ID	10-12	20-22	10-12	20-22	10-12	20-22	10-12	20-22	
Sample Depth (ft)	10/02/00	10/02/00	10/02/00	10/02/00	10/02/00	10/02/00	10/05/00	10/05/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
Bromomethane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
Vinyl Chloride	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	300
Chloroethane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
Methylene Chloride	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	2.7 J	3.5 J	85000
Trichlorofluoromethane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
1,1-Dichloroethene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	1000
1,1-Dichloroethane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	7800000
trans-1,2-Dichloroethene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	1600000
cis-1,2-Dichloroethene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	780000
Chloroform	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	100000
1,2-Dichloroethane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	7000
1,1,1-Trichloroethane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
Carbon Tetrachloride	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	5000
Bromodichloromethane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	10000
1,2-Dichloropropane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	9000
cis-1,3-Dichloropropene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	4000
Trichloroethene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	58000
Dibromochloromethane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
1,1,2-Trichloroethane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	11000
Benzene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	22000
1,3-Dichloropropene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	4000
2-Chloroethyl Vinyl Ether	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
Bromoform	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	81000
Tetrachloroethene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	12000
1,1,2,2-Tetrachloroethane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	3000
Toluene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	16000000
Chlorobenzene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	1600000
2-Butanone	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
Ethyl Benzene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	7800000
m/p-Xylenes	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	160000000
o-Xylene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	160000000
Acetone	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	40	27	7800000
Carbon Disulfide	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	7800000
4-Methyl-2-Pentanone	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
2-Hexanone	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
Styrene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	16000000
1,3-Dichlorobenzene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
1,4-Dichlorobenzene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	27000
1,2-Dichlorobenzene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	7000000
Dichlorodifluoromethane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
Vinyl Acetate	26 U	26 U	26 U	26 U	26 U	26 U	26 U	29 U	78000000
2,2-Dichloropropane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
Bromochloromethane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
1,1-Dichloropropane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
1,3-Dichloropropane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
1,2-Dibromoethane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
Isopropylbenzene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
1,2,3-Trichloropropane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
1,1,1,2-Tetrachloroethane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
Bromobenzene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
n-propylbenzene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
2-Chlorotoluene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
1,3,5-Trimethylbenzene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
4-Chlorotoluene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
tert-Butylbenzene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
1,2,4-Trimethylbenzene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
sec-Butylbenzene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
p-Isopropyltoluene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
Dibromomethane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
n-Butylbenzene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
1,2-Dibromo-3-Chloropropane	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
1,2,4-Trichlorobenzene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	780000
Hexachlorobutadiene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	8000
Naphthalene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	3100000
MTBE	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
1,2,3-Trichlorobenzene	5.2 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.7 U	—
Total Conc. VOAs (s)	ND	ND	ND	ND	ND	ND	43	31	10000

**Qualifiers**

U: The compound was not detected at the indicated concentration.  
J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.  
The concentration given is an approximate value.  
B: The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

— Not established  
ND Not detected

Table C-8  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Leaching Pool Area						Nine Leaching Pools		Comparison Value
Sample ID	E6 B05 3-6	E6 B05 12-14	E06 B06 8-10	E06 B06 14-18	E06 B09 10-12	E06 B09 20-22	E7 B01 14-18	E7 B01 18-20	for Areas of Concern
Sample Depth (ft)	3-6	12-14	8-10	14-18	10-12	20-22	14-18	18-20	
Sampling Date	10/05/00	10/05/00	10/10/00	10/10/00	10/04/00	10/04/00	09/20/00	09/20/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Bromomethane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Vinyl Chloride	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	300
Chloroethane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Methylene Chloride	2 J	3.4 J	5.7 U	5.3 U	5.3 U	5.2 U	3.4 J	3.9 J	85000
Trichlorofluoromethane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,1-Dichloroethane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	1000
1,1-Dichloroethane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	7800000
trans-1,2-Dichloroethane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	1600000
cis-1,2-Dichloroethane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	780000
Chloroform	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	100000
1,2-Dichloroethane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	7000
1,1,1-Trichloroethane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Carbon Tetrachloride	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	5000
Bromodichloromethane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	10000
1,2-Dichloropropane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	9000
cis-1,3-Dichloropropane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	4000
Trichloroethene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	58000
Dibromochloromethane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,1,2-Trichloroethane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	11000
Benzene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	22000
1,1,3-Dichloropropane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	4000
2-Chloroethyl Vinyl Ether	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Bromoform	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	81000
Tetrachloroethane	5.2 U	1.4 J	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	12000
1,1,2,2-Tetrachloroethane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	3000
Toluene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	16000000
Chlorobenzene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	1600000
2-Butanone	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Ethyl Benzene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	7800000
m/p-Xylenes	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	16000000
o-Xylene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	16000000
Acetone	12	8.4	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	7800000
Carbon Disulfide	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	7800000
4-Methyl-2-Pentanone	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
2-Hexanone	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Styrene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	16000000
1,3-Dichlorobenzene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,4-Dichlorobenzene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	27000
1,2-Dichlorobenzene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	7000000
Dichlorodifluoromethane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Vinyl Acetate	26 U	26 U	26 U	26 U	26 U	26 U	25 U	26 U	78000000
2,2-Dichloropropane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Bromochloromethane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,1-Dichloropropane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,3-Dichloropropane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,2-Dibromomethane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Isopropylbenzene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,2,3-Trichloropropane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,1,1,2-Tetrachloroethane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Bromobenzene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
n-propylbenzene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
2-Chlorotoluene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,3,5-Trimethylbenzene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
4-Chlorotoluene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
tert-Butylbenzene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,2,4-Trimethylbenzene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
sec-Butylbenzene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
p-Isopropyltoluene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Dibromomethane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
n-Butylbenzene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,2-Dibromo-3-Chloropropane	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,2,4-Trichlorobenzene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	780000
Hexachlorobutadiene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	8000
Naphthalene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	3100000
MTBE	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
1,2,3-Trichlorobenzene	5.2 U	5.2 U	5.7 U	5.3 U	5.3 U	5.2 U	5.1 U	5.2 U	—
Total Conc. VOAs (s)	14	13	ND	ND	ND	ND	3	4	10000

**Qualifiers**

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

B: The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

— Not established

ND: Not detected

SUMMARY ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Nine Leaching Pools									Comparison Value for Areas of Concern
Sample ID	E7 B02 12-14	E7 B02 16-18	E7 B03 11-13	E7 B03 19-21	E7 B04 11-13	E7 B04 19-21	E7 B05 15-17	E7 B05 19-21		
Sample Depth (ft)	12-14	16-18	11-13	19-21	11-13	19-21	15-17	19-21		
Sampling Date	09/20/00	09/20/00	09/21/00	09/21/00	09/21/00	09/21/00	09/21/00	09/21/00		
Matrix	S	S	S	S	S	S	S	S		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg
Chloromethane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
Bromomethane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
Vinyl Chloride	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		300
Chloroethane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
Methylene Chloride	7	3.9 J	4.8 J	4 J	5.1 U	5.2 U	5.1 U	10		85000
Trichlorofluoromethane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
1,1-Dichloroethene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		1000
1,1-Dichloroethane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		7800000
trans-1,2-Dichloroethene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		1600000
cis-1,2-Dichloroethene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		780000
Chloroform	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		100000
1,2-Dichloroethane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		7000
1,1,1-Trichloroethane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
Carbon Tetrachloride	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		5000
Bromodichloromethane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		10000
1,2-Dichloropropane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		9000
cis-1,3-Dichloropropene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		4000
Trichloroethene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		58000
Dibromochloromethane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
1,1,2-Trichloroethane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		11000
Benzene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		22000
1-1,3-Dichloropropene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		4000
2-Chloroethyl Vinyl Ether	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
Bromoform	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		81000
Tetrachloroethene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		12000
1,1,2,2-Tetrachloroethane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		3000
Toluene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		16000000
Chlorobenzene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		1600000
2-Butanone	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
Ethyl Benzene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		7800000
m,p-Xylenes	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		160000000
o-Xylene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		160000000
Acetone	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		7800000
Carbon Disulfide	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		7800000
4-Methyl-2-Pentanone	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
2-Hexanone	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
Styrene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		16000000
1,3-Dichlorobenzene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
1,4-Dichlorobenzene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		27000
1,2-Dichlorobenzene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		7000000
Dichlorodifluoromethane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
Vinyl Acetate	26 U	28 U	26 U	26 U	25 U	26 U	25 U	33 U		78000000
2,2-Dichloropropane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
Bromochloromethane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
1,1-Dichloropropene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
1,3-Dichloropropene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
1,2-Dibromoethane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
Isopropylbenzene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
1,2,3-Trichloropropane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
1,1,1,2-Tetrachloroethane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
Bromobenzene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
n-propylbenzene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
2-Chlorotoluene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
1,3,5-Trimethylbenzene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
4-Chlorotoluene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
tert-Butylbenzene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
1,2,4-Trimethylbenzene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
sec-Butylbenzene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
p-Isopropyltoluene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
Dibromomethane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
n-Butylbenzene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
1,2-Dibromo-3-Chloropropane	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
1,2,4-Trichlorobenzene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
Hexachlorobutadiene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		780000
Naphthalene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		8000
MTBE	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		3100000
1,2,3-Trichlorobenzene	5.1 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	6.7 U		---
Total Conc. VOAs (s)	7	4	5	4	ND	ND	ND	10		10000

**Qualifiers**

U- The compound was not detected at the indicated concentration  
J- Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero  
The concentration given is an approximate value  
B- The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample

**Notes:**

--- Not established  
ND Not detected

Table C-6  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Nine Leaching Pools								Comparison Value for Areas of Concern
Sample ID	E7 B04 11-13	E7 B04 19-21	E7 B07 11-13	E7 B07 19-21	E7 B09 11-13	E7 B09 19-21	E7 B10 11-13	E7 B10 19-21	
Sample Depth (ft)	11-13	19-21	11-13	19-21	11-13	19-21	11-13	19-21	
Sampling Date	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	10	10	10	10	10	10	10	10	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
Bromomethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
Vinyl Chloride	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	300
Chloroethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
Methylene Chloride	3.8 J	4 J	3.7 J	5 J	3.9 J	4.5 J	1.4 J	3.4 J	85000
Trichlorofluoromethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
1,1-Dichloroethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	1000
1,1-Dichloroethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	7800000
trans-1,2-Dichloroethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	1600000
cis-1,2-Dichloroethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	780000
Chloroform	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	100000
1,2-Dichloroethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	7000
1,1,1-Trichloroethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
Carbon Tetrachloride	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	5000
Bromodichloromethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	6.1 U	5.7 U	10000
1,2-Dichloropropane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	9000
cis-1,3-Dichloropropane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	4000
Trichloroethene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	58000
Dibromochloromethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
1,1,2-Trichloroethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	6.1 U	5.7 U	11000
Benzene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	6.1 U	5.7 U	22000
1,1,3-Dichloropropane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	6.1 U	5.7 U	4000
2-Chloroethyl Vinyl Ether	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
Bromoforn	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	6.1 U	5.7 U	81000
Tetrachloroethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	6.1 U	5.7 U	12000
1,1,2,2-Tetrachloroethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	6.1 U	5.7 U	3000
Toluene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	16000000
Chlorobenzene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	1600000
2-Butanone	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
Ethyl Benzene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	7800000
m/p-Xylenes	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	6.1 U	5.7 U	160000000
o-Xylene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	160000000
Acetone	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	7800000
Carbon Disulfide	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	6.1 U	5.7 U	7800000
4-Methyl-2-Pentanone	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	6.1 U	5.7 U	—
2-Hexanone	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	6.1 U	5.7 U	—
Styrene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	16000000
1,3-Dichlorobenzene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
1,4-Dichlorobenzene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	27000
1,2-Dichlorobenzene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	7000000
Dichlorodifluoromethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
Vinyl Acetate	30 U	31 U	31 U	34 U	25 U	29 U	26 U	26 U	78000000
2,2-Dichloropropane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
Bromochloromethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
1,1-Dichloropropane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
1,3-Dichloropropane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
1,2-Dibromoethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
Isopropylbenzene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
1,2,3-Trichloropropane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
1,1,1,2-Tetrachloroethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
Bromobenzene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
n-propylbenzene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
2-Chlorotoluene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
1,3,5-Trimethylbenzene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
4-Chlorotoluene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
tert-Butylbenzene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
1,2,4-Trimethylbenzene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
sec-Butylbenzene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
p-Isopropyltoluene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
Dibromomethane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
n-Butylbenzene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
1,2-Dibromo-3-Chloropropane	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
1,2,4-Trichlorobenzene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	780000
Hexachlorobutadiene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	8000
Naphthalene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	3100000
MTBE	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
1,2,3-Trichlorobenzene	5.9 U	6.2 U	6.1 U	6.7 U	5 U	5.9 U	5.1 U	5.7 U	—
Total Conc. VOAs (s)	4	4	4	5	4	5	1	3	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

S. The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

— Not established

C-8  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Nine Leaching Pools								Comparison Value for Areas of Concern
Sample ID	E7 B11 11-13	E7 B11 19-21	E7 B12 11-13	E7 B12 19-21	E7 B13 11-13	E7 B13 19-21	E07 B14 9-11	E07 B14 18-20	
Sample Depth (ft)	11-13	19-21	11-13	19-21	11-13	19-21	9-11	18-20	
Sampling Date	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
Bromomethane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
Vinyl Chloride	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	300
Chloroethane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
Methylene Chloride	5.2 U	4.9 J	5.2 U	5.4	5.2 U	5.7	5.2	5.5	85000
Trichlorofluoromethane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
1,1-Dichloroethene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	1000
1,1,1-Trichloroethane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	7800000
trans-1,2-Dichloroethene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	1600000
cis-1,2-Dichloroethene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	780000
Chloroform	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	100000
1,2-Dichloroethane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	7000
1,1,1-Trichloroethane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
Carbon Tetrachloride	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5000
Bromodichloromethane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	10000
1,2-Dichloropropane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	9000
cis-1,3-Dichloropropene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	4000
Trichloroethene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	58000
Dibromochloromethane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
1,1,2-Trichloroethane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	11000
Benzene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	22000
1,3-Dichloropropene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	4000
2-Chloroethyl Vinyl Ether	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
Bromoform	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	81000
Tetrachloroethene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	12000
1,1,2,2-Tetrachloroethane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	3000
Toluene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	16000000
Chlorobenzene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	1600000
2-Butanone	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
Ethyl Benzene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	7800000
m/p-Xylenes	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	16000000
o-Xylene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	16000000
Acetone	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	7800000
Carbon Disulfide	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	7800000
4-Methyl-2-Pentanone	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
2-Hexanone	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
Styrene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	16000000
1,3-Dichlorobenzene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
1,4-Dichlorobenzene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	27000
1,2-Dichlorobenzene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	7000000
Dichlorodifluoromethane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
Vinyl Acetate	26 U	26 U	26 U	26 U	26 U	26 U	25 U	26 U	78000000
2,2-Dichloropropane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
Bromochloromethane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
1,1-Dichloropropene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
1,3-Dichloropropane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
1,2-Dibromoethane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
Isopropylbenzene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
1,2,3-Trichloropropane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
1,1,1,2-Tetrachloroethane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
Bromobenzene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
n-propylbenzene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
2-Chlorotoluene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
1,3,5-Trimethylbenzene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
4-Chlorotoluene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
tert-Butylbenzene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
1,2,4-Trimethylbenzene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
sec-Butylbenzene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
p-Isopropyltoluene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
Dibromomethane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
n-Butylbenzene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
1,2-Dibromo-3-Chloropropane	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
1,2,4-Trichlorobenzene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	780000
Hexachlorobutadiene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	8000
Naphthalene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	3100000
MTBE	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
1,2,3-Trichlorobenzene	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	—
Total Conc. VOAs (s)	ND	5	5	5	5	6	5	6	10000

**Qualifiers**

U The compound was not detected at the indicated concentration  
J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero  
The concentration given is an approximate value.  
S The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

— Not established  
ND Not detected

Table C-8  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Leaching Field with Twenty Leaching Pools								Comparison Value
Sample ID	E8 B01 6-8'	E8 B01 14-16'	E8 B02 6-8'	E8 B02 14-16'	E8 B03 6-10'	E8 B03 14-16'	E8 B04 10-12'	E8 B04 14-16'	for Areas of Concern
Sample Depth (ft)	6-8	14-16	6-8	14-16	6-10	14-16	10-12	14-16	
Sampling Date	10/03/00	10/03/00	10/03/00	10/03/00	10/03/00	10/03/00	10/04/00	10/04/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
Bromomethane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
Vinyl Chloride	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	300
Chloroethane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
Methylene Chloride	3.5 J	2.5 J	3.3 J	2.3 J	2.8 J	3.4 J	52 U	51 U	85000
Trichlorofluoromethane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
1,1-Dichloroethene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	1000
1,1-Dichloroethane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	7800000
trans-1,2-Dichloroethene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	1600000
cis-1,2-Dichloroethene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	780000
Chloroform	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	100000
1,2-Dichloroethane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	7000
1,1,1-Trichloroethane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
Carbon Tetrachloride	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	5000
Bromodichloromethane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	10000
1,2-Dichloropropane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	9000
cis-1,3-Dichloropropene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	4000
Trichloroethene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	56000
Dibromochloromethane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
1,1,2-Trichloroethane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	11000
Benzene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	22000
1,1,3-Dichloropropene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	4000
2-Chloroethyl Vinyl Ether	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
Bromoforn	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	81000
Tetrachloroethane	6 U	52 U	6 U	52 U	51 U	52 U	1.7 J	51 U	12000
1,1,2,2-Tetrachloroethane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	3000
Toluene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	16000000
Chlorobenzene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	1600000
2-Butanone	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
Ethyl Benzene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	7800000
m/p-Xylenes	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	160000000
o-Xylene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	160000000
Acetone	15	12	9.4	21	25	52 U	52 U	51 U	7800000
Carbon Disulfide	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	7800000
4-Methyl-2-Pentanone	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
2-Hexanone	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
Styrene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	16000000
1,3-Dichlorobenzene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
1,4-Dichlorobenzene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	27000
1,2-Dichlorobenzene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	7000000
Dichlorodifluoromethane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
Vinyl Acetate	30 U	26 U	30 U	26 U	26 U	26 U	26 U	26 U	78000000
2,2-Dichloropropane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
Bromochloromethane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
1,1-Dichloropropene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
1,3-Dichloropropane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
1,2-Dibromomethane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
Isopropylbenzene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
1,2,3-Trichloropropane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
1,1,1,2-Tetrachloroethane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
Bromobenzene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
n-propylbenzene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
2-Chlorotoluene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
1,3,5-Trimethylbenzene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
4-Chlorotoluene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
tert-Butylbenzene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
1,2,4-Trimethylbenzene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
sec-Butylbenzene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
p-Isopropyltoluene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
Dibromomethane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
n-Butylbenzene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
1,2-Dibromo-3-Chloropropane	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
1,2,4-Trichlorobenzene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	780000
Hexachlorobutadiene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	8000
Naphthalene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	3100000
MTBE	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
1,2,3-Trichlorobenzene	6 U	52 U	6 U	52 U	51 U	52 U	52 U	51 U	—
Total Conc. VOAs (g)	19	15	13	23	28	3	2	ND	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

— Not established

ND: Not detected

SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Leaching Field with Twenty Leaching Pools								Comparison Value for Areas of Concern
Sample ID	E8 B05 14-16	E8 B05 22-24	E8 B06 8-10	E8 B06 14-16	E8 B07 8-10	E8 B07 14-16	E08 B08 10-12	E08 B08 20-22	
Sample Depth (ft)	14-16	22-24	8-10	14-16	8-10	14-16	10-12	20-22	
Sampling Date	10/04/00	10/04/00	10/04/00	10/04/00	10/05/00	10/05/00	10/05/00	10/05/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
Bromomethane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
Vinyl Chloride	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	300
Chloroethane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
Methylene Chloride	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	3.6 J	2.6 J	2.6 J	85000
Trichlorofluoromethane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
1,1-Dichloroethane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	1000
1,1-Dichloroethane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	7800000
trans-1,2-Dichloroethane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	1600000
cis-1,2-Dichloroethane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	780000
Chloroform	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	100000
1,2-Dichloroethane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	7000
1,1,1-Trichloroethane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
Carbon Tetrachloride	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	5000
Bromodichloromethane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	10000
1,2-Dichloropropane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	9000
cis-1,3-Dichloropropene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	4000
Trichloroethene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	58000
Dibromochloromethane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
1,1,2-Trichloroethane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	11000
Benzene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	22000
1,1,3-Dichloropropene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	4000
2-Chloroethyl Vinyl Ether	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
Bromoform	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	81000
Tetrachloroethene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	12000
1,1,2,2-Tetrachloroethane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	3000
Toluene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	16000000
Chlorobenzene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	1600000
2-Butanone	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
Ethyl Benzene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	7800000
m/p-Xylenes	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	160000000
o-Xylene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	160000000
Acetone	5.1 U	5.2 U	5.1 U	5.1 U	19	19	26	35	7800000
Carbon Disulfide	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	7800000
4-Methyl-2-Pentanone	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
2-Hexanone	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
Styrene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	16000000
1,3-Dichlorobenzene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
1,4-Dichlorobenzene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	27000
1,2-Dichlorobenzene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	7000000
Dichlorodifluoromethane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
Vinyl Acetate	25 U	26 U	26 U	26 U	26 U	28 U	26 U	26 U	7800000
2,2-Dichloropropane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
Bromochloromethane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
1,1-Dichloropropene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
1,3-Dichloropropane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
1,2-Dibromoethane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
Isopropylbenzene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
1,2,3-Trichloropropane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
1,1,1,2-Tetrachloroethane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
Bromobenzene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
n-propylbenzene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
2-Chlorotoluene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
1,3,5-Trimethylbenzene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
4-Chlorotoluene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
tert-Butylbenzene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
1,2,4-Trimethylbenzene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
sec-Butylbenzene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
p-Isopropyltoluene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
Dibromomethane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
n-Butylbenzene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
1,2-Dibromo-3-Chloropropane	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
1,2,4-Trichlorobenzene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	780000
Hexachlorobutadiene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	8000
Naphthalene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	3100000
MTBE	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
1,2,3-Trichlorobenzene	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.6 U	5.2 U	5.1 U	—
Total Conc VOAs (s)	ND	ND	ND	ND	19	23	29	38	10000

**Qualifiers**

U The compound was not detected at the indicated concentration  
J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero  
The concentration given is an approximate value  
B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample

**Notes:**

— Not established  
ND Not detected

Table C-8  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Leaching Field with Twenty Leaching Pools								Comparison Value for Areas of Concern
Sample ID	E08 B09 10-12	E08 B09 20-22	E08 B10 8-10	E08 B10 14-18	E08 B11 6-8	E08 B11 14-18	E08 B12 12-14	E08 B12 18-20	
Sample Depth (ft)	10-12	20-22	8-10	14-18	6-8	14-18	12-14	18-20	
Sampling Date	10/05/00	10/05/00	10/05/00	10/05/00	10/05/00	10/05/00	10/05/00	10/05/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
Bromomethane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
Vinyl Chloride	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	300
Chloroethane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
Methylene Chloride	27 J	26 J	48 J	41 J	36 J	35 J	38 J	41 J	85000
Trichlorofluoromethane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
1,1-Dichloroethene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	1000
1,1-Dichloroethane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	7800000
trans-1,2-Dichloroethene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	1600000
cis-1,2-Dichloroethene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	780000
Chloroform	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	100000
1,2-Dichloroethane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	7000
1,1,1-Trichloroethane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
Carbon Tetrachloride	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	5000
Bromodichloromethane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	10000
1,2-Dichloropropane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	9000
cis-1,3-Dichloropropene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	4000
Trichloroethene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	58000
Dibromochloromethane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
1,1,2-Trichloroethane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	11000
Benzene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	22000
1,3-Dichloropropene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	4000
2-Chloroethyl Vinyl Ether	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
Bromoform	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	81000
Tetrachloroethene	24 J	52 U	6 U	56 U	17 J	52 U	13 J	57 U	12000
1,1,2,2-Tetrachloroethane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	3000
Toluene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	16000000
Chlorobenzene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	1600000
2-Butanone	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
Ethyl Benzene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	7800000
m/p-Xylenes	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	160000000
o-Xylene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	160000000
Acetone	28	22	16	30	26	23	22	16	7800000
Carbon Disulfide	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	7800000
4-Methyl-2-Pentanone	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
2-Hexanone	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
Styrene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	16000000
1,3-Dichlorobenzene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
1,4-Dichlorobenzene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	27000
1,2-Dichlorobenzene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	7000000
Dichlorodifluoromethane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
Vinyl Acetate	26 U	26 U	30 U	28 U	25 U	26 U	29 U	28 U	78000000
2,2-Dichloropropane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
Bromochloromethane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
1,1-Dichloropropane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
1,3-Dichloropropane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
1,2-Dibromoethane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
Isopropylbenzene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
1,2,3-Trichloropropane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
1,1,1,2-Tetrachloroethane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
Bromobenzene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
n-propylbenzene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
2-Chlorotoluene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
1,3,5-Trimethylbenzene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
4-Chlorotoluene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
tert-Butylbenzene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
1,2,4-Trimethylbenzene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
sec-Butylbenzene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
p-isopropyltoluene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
Dibromomethane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
n-Butylbenzene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
1,2-Dibromo-3-Chloropropane	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
1,2,4-Trichlorobenzene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	780000
Hexachlorobutadiene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	8000
Naphthalene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	3100000
MTBE	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
1,2,3-Trichlorobenzene	51 U	52 U	6 U	56 U	51 U	52 U	58 U	57 U	—
Total Conc. VOAs (g)	33	25	21	34	31	27	27	20	10000

**Qualifiers**

U The compound was not detected at the indicated concentration

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

— Not established



SUMMARY OF ANALYTICAL RESULTS  
 NGC-PLANT 1 - EXTERIOR AREAS OF CONCERN  
 VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Leaching Field with Twenty Leaching Pools		Seven Former Leaching Pools						Companion Value for Areas of Concern
	E08B14 8-10	E08B14-16-18	E10 B01 13-15	E10 B01 21-23	E10 B02 11-13	E10 B02 19-21	E10 B03 12-14	E10 B03 20-22	
Sample ID	8-10	16-18	13-15	21-23	11-13	19-21	12-14	20-22	
Sample Depth (ft)	10/11/00	10/11/00	10/12/00	10/12/00	10/12/00	10/12/00	10/02/00	10/02/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
Bromomethane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
Vinyl Chloride	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	300
Chloroethane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
Methylene Chloride	8.5	8.5	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	85000
Trichlorofluoromethane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
1,1-Dichloroethene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	1000
1,1-Dichloroethane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	7800000
trans-1,2-Dichloroethene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	1600000
cis-1,2-Dichloroethene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	780000
Chloroform	14	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	100000
1,2-Dichloroethane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	7000
1,1,1-Trichloroethane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
Carbon Tetrachloride	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5000
Bromodichloromethane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	10000
1,2-Dichloropropane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	9000
cis-1,3-Dichloropropene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	4000
Trichloroethene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	58000
Dibromochloromethane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
1,1,2-Trichloroethane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	11000
Benzene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	22000
1,3-Dichloropropene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	4000
2-Chloroethyl Vinyl Ether	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
Bromoform	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	81000
Tetrachloroethene	6 U	5.3 U	11 J	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	12000
1,1,2,2-Tetrachloroethane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	3000
Toluene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	16000000
Chlorobenzene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	1600000
2-Butanone	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
Ethyl Benzene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	7800000
m/p-Xylenes	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	160000000
o-Xylene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	160000000
Acetone	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	7800000
Carbon Disulfide	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	7800000
4-Methyl-2-Pentanone	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
2-Hexanone	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
Styrene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	16000000
1,3-Dichlorobenzene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
1,4-Dichlorobenzene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	27000
1,2-Dichlorobenzene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	7000000
Dichlorodifluoromethane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
Vinyl Acetate	30 U	27 U	26 U	27 U	26 U	26 U	26 U	26 U	78000000
2,2-Dichloropropane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
Bromochloromethane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
1,1-Dichloropropane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
1,3-Dichloropropane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
1,2-Dibromoethane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
Isopropylbenzene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
1,2,3-Trichloropropane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
1,1,1,2-Tetrachloroethane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
Bromobenzene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
n-propylbenzene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
2-Chlorotoluene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
1,3,5-Trimethylbenzene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
4-Chlorotoluene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
tert-Butylbenzene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
1,2,4-Trimethylbenzene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
sec-Butylbenzene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
p-Isopropyltoluene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
Dibromomethane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
n-Butylbenzene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
1,2-Dibromo-3-Chloropropane	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
1,2,4-Trichlorobenzene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	780000
Hexachlorobutadiene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	8000
Naphthalene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	3100000
MTBE	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
1,2,3-Trichlorobenzene	6 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	---
Total Conc. VOAs (S)	23	9	1	ND	ND	ND	ND	ND	10000

**Qualifiers**

U The compound was not detected at the indicated concentration

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

--- Not established

ND Not detected

Table C-5  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Seven Former Leaching Pools								Comparison Value for Areas of Concern
	E10B04 11-13	E10B04 19-21	E10 B05 10-12	E10 B05 16-18	E10 B06 10-12	E10 B06 16-18	E10B08 6-10	E10B08 14-16	
Sample ID	11-13	19-21	10-12	16-18	10-12	16-18	6-10	14-16	
Sample Depth (ft)	10/11/00	10/11/00	10/02/00	10/02/00	10/02/00	10/02/00	10/11/00	10/11/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
Bromomethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
Vinyl Chloride	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	300
Chloroethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
Methylene Chloride	5.7 U	6.3 B	12 U	5.3 U	5.1 U	5.8 U	7.3 B	6.7 B	85000
Trichlorofluoromethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
1,1-Dichloroethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	1000
1,1-Dichloroethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	7800000
trans-1,2-Dichloroethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	1600000
cis-1,2-Dichloroethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	780000
Chloroform	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	100000
1,2-Dichloroethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	7000
1,1,1-Trichloroethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
Carbon Tetrachloride	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	5000
Bromodichloromethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	10000
1,2-Dichloropropane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	9000
cis-1,3-Dichloropropane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	4000
Trichloroethene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	58000
Dibromochloromethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
1,1,2-Trichloroethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	11000
Benzene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	22000
1,1,3-Dichloropropane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	4000
2-Chloroethyl Vinyl Ether	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
Bromoforn	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	81000
Tetrachloroethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	12000
1,1,2,2-Tetrachloroethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	3000
Toluene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	16000000
Chlorobenzene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	1600000
2-Butanone	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
Ethyl Benzene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	7800000
m/p-Xylenes	5.7 U	1.3 J	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	160000000
o-Xylene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	160000000
Acetone	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	160000000
Carbon Disulfide	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	7800000
4-Methyl-2-Pentanone	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	7800000
2-Hexanone	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
Styrene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	16000000
1,3-Dichlorobenzene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
1,4-Dichlorobenzene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	27000
1,2-Dichlorobenzene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	7000000
Dichlorodifluoromethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
Vinyl Acetate	26 U	26 U	58 U	25 U	29 U	26 U	26 U	26 U	78000000
2,2-Dichloropropane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
Bromochloromethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
1,1-Dichloropropane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
1,3-Dichloropropane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
1,2-Dibromomethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
Isopropylbenzene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
1,2,3-Trichloropropane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
1,1,1,2-Tetrachloroethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
Bromobenzene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
n-propylbenzene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
2-Chlorotoluene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
1,3,5-Trimethylbenzene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
4-Chlorotoluene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
tert-Butylbenzene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
1,2,4-Trimethylbenzene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
sec-Butylbenzene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
p-Isopropyltoluene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
Dibromomethane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
n-Butylbenzene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
1,2-Dibromo-3-Chloropropane	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
1,2,4-Trichlorobenzene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	780000
Hexachlorobutadiene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	8000
Naphthalene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	3100000
MTBE	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
1,2,3-Trichlorobenzene	5.7 U	5.2 U	12 U	5.3 U	5.1 U	5.8 U	5.2 U	5.2 U	—
Total Conc. VOAs (a)	ND	10	ND	ND	ND	ND	7	7	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

— Not established

ND Not detected

SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Dry Well		Former Drum Storage Area				Existing On-site Recharge Basin		Companion Value for Areas of Concern
	E12B01 10-12	E12B01 18-20	E13 B01 1-3'	E13 B01 3-5'	E13 B02 0-2'	E13 B02 2-4'	E18 B01 0-2'	E18 B01 2-4'	
Sample ID	10-12	18-20	10-3	3-5	0-2	2-4	0-2	2-4	
Sample Depth (ft)	10/11/00	10/11/00	09/25/00	09/25/00	09/25/00	09/25/00	10/05/00	10/05/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
Bromomethane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
Vinyl Chloride	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	300
Chloroethane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
Methylene Chloride	8.7 B	6.6 B	3.8 J	2.6 J	3.8 J	3.6 J	5.1 U	3.4 J	85000
Trichlorofluoromethane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
1,1-Dichloroethene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	1000
1,1-Dichloroethane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	7800000
trans-1,2-Dichloroethene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	1600000
cis-1,2-Dichloroethene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	780000
Chloroform	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	100000
1,2-Dichloroethane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	7000
1,1,1-Trichloroethane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
Carbon Tetrachloride	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	5000
Bromodichloromethane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	10000
1,2-Dichloropropane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	9000
cis-1,3-Dichloropropene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	4000
Trichloroethene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	58000
Dibromochloromethane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
1,1,2-Trichloroethane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	11000
Benzene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	22000
t-1,3-Dichloropropene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	4000
2-Chloroethyl Vinyl Ether	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
Bromoform	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	81000
Tetrachloroethene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	4.1 J	6 U	12000
1,1,2,2-Tetrachloroethane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	3000
Toluene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	16000000
Chlorobenzene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	1600000
2-Butanone	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
Ethyl Benzene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	7800000
m,p-Xylenes	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	160000000
o-Xylene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	160000000
Acetone	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	29	7800000
Carbon Disulfide	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	7800000
4-Methyl-2-Pentanone	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
2-Hexanone	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
Styrene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	16000000
1,3-Dichlorobenzene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
1,4-Dichlorobenzene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	27000
1,2-Dichlorobenzene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	7000000
Dichlorodifluoromethane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
Vinyl Acetate	28 U	26 U	30 U	26 U	29 U	28 U	28 U	30 U	78000000
2,2-Dichloropropane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
Bromochloromethane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
1,1-Dichloropropane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
1,3-Dichloropropane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
1,2-Dibromoethane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
Isopropylbenzene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
1,2,3-Trichloropropane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
1,1,1,2-Tetrachloroethane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
Bromobenzene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
n-propylbenzene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
2-Chlorotoluene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
1,3,5-Trimethylbenzene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
4-Chlorotoluene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
tert-Butylbenzene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
1,2,4-Trimethylbenzene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
sec-Butylbenzene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
p-Isopropyltoluene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
Dibromomethane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
n-Butylbenzene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
1,2-Dibromo-3-Chloropropane	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
1,2,4-Trichlorobenzene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	780000
Hexachlorobutadiene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	8000
Naphthalene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	3100000
MTBE	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
1,2,3-Trichlorobenzene	5.6 U	5.2 U	6 U	5.3 U	5.7 U	5.7 U	5.1 U	6 U	—
Total Conc. VOAs (s)	9	7	4	3	4	4	4	32	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero  
The concentration given is an approximate value

B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample

**Notes:**

— Not established

Table C-8  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Existing On-site Recharge Basin		Former On-site Recharge Basin		Unidentified Pit		Former AST and Salvage Area		Comparison Value
Sample ID	E18 B02 0-2	E18 B02 2-4	E19 B01 0-10	E19 B01 10-20	E20 B01 2-4	E20 B01 4-6	E21 B01 0-2	E21 B01 2-4	for Areas of Concern
Sample Depth (ft)	0-2	2-4	0-10	10-20	2-4	4-6	0-2	2-4	
Sampling Date	10/05/00	10/05/00	10/09/00	10/09/00	09/29/00	09/29/00	09/29/00	09/29/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
Bromomethane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
Vinyl Chloride	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	300
Chloroethane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
Methylene Chloride	2.9 J	3.8 J	4.2 J	5.2 U	5.3 U	1.5 J	4.9 J	5.4 U	85000
Trichlorofluoromethane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
1,1-Dichloroethane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	1000
1,1-Dichloroethane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	7800000
trans-1,2-Dichloroethane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	1600000
cis-1,2-Dichloroethane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	780000
Chloroform	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	100000
1,2-Dichloroethane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	7000
1,1,1-Trichloroethane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	5000
Carbon Tetrachloride	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	10000
Bromodichloromethane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	5000
1,2-Dichloropropane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	8000
cis-1,3-Dichloropropane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	4000
Trichloroethene	5.2 U	5.8 U	10	5.2 U	5.3 U	86	110	5.4 U	58000
Dibromochloromethane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
1,1,2-Trichloroethane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	11000
Benzene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	22000
1,1,3-Dichloropropane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	4000
2-Chloroethyl Vinyl Ether	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
Bromofom	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	81000
Tetrachloroethene	5.2 U	2.4 J	3.4 J	3 J	5.3 U	5.3 U	9.8	4.5 J	12000
1,1,2,2-Tetrachloroethane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	3000
Toluene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	16000000
Chlorobenzene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	1600000
2-Butanone	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
Ethyl Benzene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	7800000
m/p-Xylenes	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	16000000
o-Xylene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	16000000
Acetone	27	5.8 U	34	45	5.3 U	21	5.5 U	5.4 U	7800000
Carbon Disulfide	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	7800000
4-Methyl-2-Pentanone	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
2-Hexanone	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
Styrene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	16000000
1,3-Dichlorobenzene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
1,4-Dichlorobenzene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	27000
1,2-Dichlorobenzene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	7000000
Dichlorodifluoromethane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
Vinyl Acetate	26 U	29 U	30 U	26 U	26 U	26 U	27 U	27 U	78000000
2,2-Dichloropropane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
Bromochloromethane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
1,1-Dichloropropane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
1,3-Dichloropropane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
1,2-Dibromoethane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
Isopropylbenzene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
1,2,3-Trichloropropane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
1,1,1,2-Tetrachloroethane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
Bromobenzene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
n-propylbenzene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
2-Chlorotoluene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
1,3,5-Trimethylbenzene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
4-Chlorotoluene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
tert-Butylbenzene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
1,2,4-Trimethylbenzene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
sec-Butylbenzene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
p-Isopropyltoluene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
Dibromomethane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
n-Butylbenzene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
1,2-Dibromo-3-Chloropropane	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
1,2,4-Trichlorobenzene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	780000
Hexachlorobutadiene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	8000
Naphthalene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	3100000
MTBE	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
1,2,3-Trichlorobenzene	5.2 U	5.8 U	6 U	5.2 U	5.3 U	5.3 U	5.5 U	5.4 U	—
Total Conc. VOAs (g)	30	6	52	48	ND	23	128	91	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

II The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

— Not established

ND Not detected

C-8  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former AST and Salvage Area								Comparison Value for Areas of Concern
Sample ID	E21 B02 0-2	E21 B02 2-4	E21 B03 0-2	E21 B03 2-4	E21 B04 0-2	E21 B04 2-4	E21 B05 0-2	E21 B05 2-4	
Sample Depth (ft)	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	
Sampling Date	09/29/00	09/29/00	09/29/00	09/29/00	09/29/00	09/29/00	09/29/00	09/29/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
Bromomethane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
Vinyl Chloride	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	300
Chloroethane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
Methylene Chloride	4.5 J	4.2 J	4.9 J	5 J	5.7 U	4.4 J	4.6 J	4 J	85000
Trichlorofluoromethane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
1,1-Dichloroethene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	1000
1,1-Dichloroethane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	7800000
trans-1,2-Dichloroethene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	1600000
cis-1,2-Dichloroethene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	780000
Chloroform	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	100000
1,2-Dichloroethane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	7000
1,1,1-Trichloroethane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
Carbon Tetrachloride	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	5000
Bromodichloromethane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	10000
1,2-Dichloropropane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	9000
cis-1,3-Dichloropropene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	4000
Trichloroethene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	43	5.7 U	58000
Dibromochloromethane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
1,1,2-Trichloroethane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	11000
Benzene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	22000
t-1,3-Dichloropropene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	4000
2-Chloroethyl Vinyl Ether	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
Bromoform	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	81000
Tetrachloroethene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	21 J	5.7 U	12000
1,1,2,2-Tetrachloroethane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	3000
Toluene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	16000000
Chlorobenzene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	1600000
2-Butanone	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
Ethyl Benzene	5.5 U	5.5 U	3.3 J	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	7800000
m/p-Xylenes	5.5 U	5.5 U	7.7	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	160000000
o-Xylene	5.5 U	5.5 U	2.5 J	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	160000000
Acetone	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	7800000
Carbon Disulfide	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	7800000
4-Methyl-2-Pentanone	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
2-Hexanone	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
Styrene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	16000000
1,3-Dichlorobenzene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
1,4-Dichlorobenzene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	27000
1,2-Dichlorobenzene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	7000000
Dichlorodifluoromethane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
Vinyl Acetate	27 U	27 U	29 U	29 U	29 U	29 U	29 U	28 U	78000000
2,2-Dichloropropane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
Bromochloromethane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
1,1-Dichloropropene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
1,3-Dichloropropane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
1,2-Dibromoethane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
Isopropylbenzene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
1,2,3-Trichloropropane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
1,1,1,2-Tetrachloroethane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
Bromobenzene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
n-propylbenzene	5.5 U	5.5 U	4.2 J	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
2-Chlorotoluene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
1,3,5-Trimethylbenzene	5.5 U	5.5 U	21	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
4-Chlorotoluene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
tert-Butylbenzene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
1,2,4-Trimethylbenzene	5.5 U	5.5 U	5.7	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
sec-Butylbenzene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
p-Isopropyltoluene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
Dibromomethane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
n-Butylbenzene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
1,2-Dibromo-3-Chloropropane	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
1,2,4-Trichlorobenzene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	780000
Hexachlorobutadiene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	8000
Naphthalene	5.5 U	5.5 U	5.9	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	3100000
MTBE	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
1,2,3-Trichlorobenzene	5.5 U	5.5 U	5.7 U	5.9 U	5.7 U	5.7 U	5.8 U	5.7 U	—
Total Conc. VOAs (s)	5	4	107	5	ND	4	50	4	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

The concentration given is an approximate value.

B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

— Not established

ND Not detected

Table C-8  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Material Storage Area								Comparison Value for Areas of Concern
	E22 B01 0-2'	E22 B01 2-4'	E22 B02 0-2'	E22 B02 2-4'	E22 B03 0-2'	E22 B03 2-4'	E22 B04 0-2'	E22 B04 2-4'	
Sample ID	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	
Sampling Date	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
Bromomethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
Vinyl Chloride	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	300
Chloroethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
Methylene Chloride	2.5 J	3.1 J	3.8 J	2.4 J	3.2 J	2.6 J	6.8 U	3.5 J	85000
Trichlorofluoromethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
1,1-Dichloroethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	1000
1,1-Dichloroethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	7800000
trans-1,2-Dichloroethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	1600000
cis-1,2-Dichloroethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	780000
Chloroform	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	100000
1,2-Dichloroethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	7000
1,1,1-Trichloroethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
Carbon Tetrachloride	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	5000
Bromodichloromethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	10000
1,2-Dichloropropane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	9000
cis-1,3-Dichloropropane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	4000
Trichloroethene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	58000
Dibromochloromethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
1,1,2-Trichloroethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	11000
Benzene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	22000
n-1,3-Dichloropropane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	4000
2-Chloroethyl Vinyl Ether	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
Bromoform	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	81000
Tetrachloroethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	12000
1,1,2,2-Tetrachloroethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	3000
Toluene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	16000000
Chlorobenzene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	1600000
2-Butanone	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
Ethyl Benzene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	7800000
m,p-Xylenes	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	160000000
o-Xylene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	160000000
Acetone	5.4 U	6 U	6.1 U	6 U	6 U	6 U	44	6.2 U	7800000
Carbon Disulfide	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	7800000
4-Methyl-2-Pentanone	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
2-Hexanone	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
Styrene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	16000000
1,3-Dichlorobenzene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
1,4-Dichlorobenzene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	27000
1,2-Dichlorobenzene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	7000000
Dichlorodifluoromethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
Vinyl Acetate	27 U	30 U	30 U	30 U	30 U	30 U	34 U	31 U	78000000
2,2-Dichloropropane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
Bromochloromethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
1,1-Dichloropropane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
1,3-Dichloropropane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
1,2-Dibromoethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
Isopropylbenzene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
1,2,3-Trichloropropane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
1,1,1,2-Tetrachloroethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
Bromobenzene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
n-propylbenzene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
2-Chlorotoluene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
1,3,5-Trimethylbenzene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
4-Chlorotoluene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
tert-Butylbenzene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
1,2,4-Trimethylbenzene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
sec-Butylbenzene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
p-Isopropyltoluene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
Dibromomethane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
n-Butylbenzene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
1,2-Dibromo-3-Chloropropane	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
1,2,4-Trichlorobenzene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	780000
Hexachlorobutadiene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	8000
Naphthalene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	3100000
MTBE	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
1,2,3-Trichlorobenzene	5.4 U	6 U	6.1 U	6 U	6 U	6 U	6.8 U	6.2 U	—
Total Conc. VOAs (g)	3	3	4	2	3	3	44	4	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantification limit but greater than zero. The concentration given is an approximate value.

B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

— Not established

SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Concrete Sump Pit		Location of Former Trichloroethylene Tank		Pump Station "A"		Catch Basins (Vicinity of Pump House/Water Tank)		Comparison Value for Areas of Concern
Sample ID	E25 B01 5-7	E25 B01 7-9	E27 B01 1-3	E27 B01 3-5	E30 B01 13-15	E30 B01 15-17	E32 B01 6-8	E32 B01 8-10	
Sample Depth (ft)	5-7	7-9	1-3	3-5	13-15	15-17	6-8	8-10	
Sampling Date	10/04/00	10/04/00	09/28/00	09/28/00	10/18/00	10/18/00	10/16/00	10/16/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
Bromomethane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
Vinyl Chloride	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	300
Chloroethane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
Methylene Chloride	5.9 U	5.9 U	3.2 U	2.9 U	4.3 U	3.2 U	5.2 U	5.2 U	85000
Trichlorofluoromethane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
1,1-Dichloroethene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	1000
1,1-Dichloroethane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	7800000
trans-1,2-Dichloroethene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	1600000
cis-1,2-Dichloroethene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	780000
Chloroform	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	100000
1,2-Dichloroethane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	7000
1,1,1-Trichloroethane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
Carbon Tetrachloride	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	5000
Bromodichloromethane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	10000
1,2-Dichloropropane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	9000
cis-1,3-Dichloropropane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	4000
Trichloroethene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	58000
Dibromochloromethane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
1,1,2-Trichloroethane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	11000
Benzene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	22000
t-1,3-Dichloropropene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	4000
2-Chloroethyl Vinyl Ether	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
Bromoform	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	81000
Tetrachloroethene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	12000
1,1,2,2-Tetrachloroethane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	3000
Toluene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	16000000
Chlorobenzene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	1600000
2-Butanone	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
Ethyl Benzene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	7800000
m/p-Xylenes	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	160000000
o-Xylene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	160000000
Acetone	5.9 U	5.8 U	5 U	5 U	10	25	5.2 U	5.2 U	7800000
Carbon Disulfide	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	7800000
4-Methyl-2-Pentanone	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
2-Hexanone	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
Styrene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	16000000
1,3-Dichlorobenzene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
1,4-Dichlorobenzene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	27000
1,2-Dichlorobenzene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	7000000
Dichlorodifluoromethane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
Vinyl Acetate	29 U	29 U	25 U	25 U	30 U	30 U	26 U	26 U	78000000
2,2-Dichloropropane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
Bromochloromethane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
1,1-Dichloropropene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
1,3-Dichloropropane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
1,2-Dibromoethane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
Isopropylbenzene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
1,2,3-Trichloropropane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
1,1,1,2-Tetrachloroethane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
Bromobenzene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
n-propylbenzene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
2-Chlorotoluene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
1,3,5-Trimethylbenzene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
4-Chlorotoluene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
tert-Butylbenzene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
1,2,4-Trimethylbenzene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
sec-Butylbenzene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
p-Isopropyltoluene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
Dibromomethane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
n-Butylbenzene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
1,2-Dibromo-3-Chloropropane	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
1,2,4-Trichlorobenzene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	780000
Hexachlorobutadiene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	8000
Naphthalene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	3100000
MTBE	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
1,2,3-Trichlorobenzene	5.9 U	5.8 U	5 U	5 U	6 U	6.1 U	5.2 U	5.2 U	—
Total Conc. VOAs (s)	ND	ND	3	3	14	28	ND	ND	10000

**Qualifiers**

U The compound was not detected at the indicated concentration  
J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.  
The concentration given is an approximate value  
B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample

**Notes:**

— Not established  
ND Not detected

Table C-8  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Catch Basins (Vicinity of Pump House/Water Tank)		Former Tank 1111 (Between Hangars 1 and 2)		Courtyard Between Hangars 1 and 2				Comparison Value for Areas of Concern
	E32 B02 6-8	E32 B02 8-10	E33 B01 1-3	E33 B01 3-5	E34 B01 1-3	E34 B01 3-5	E34 B02 1-3	E34 B02 3-5	
Sample ID	6-8	8-10	1-3	3-5	1-3	3-5	1-3	3-5	
Sample Depth (ft)	10/16/00	10/16/00	09/28/00	09/28/00	09/25/00	09/25/00	09/25/00	09/25/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
Bromomethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
Vinyl Chloride	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	300
Chloroethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
Methylene Chloride	5.2 U	5.2 U	2.7 J	3.9 J	6.9	5.2 U	5.1 J	4.9 J	85000
Trichlorofluoromethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
1,1-Dichloroethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	1000
1,1-Dichloroethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	7800000
trans-1,2-Dichloroethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	1600000
cis-1,2-Dichloroethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	780000
Chloroform	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	100000
1,2-Dichloroethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	7000
1,1,1-Trichloroethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
Carbon Tetrachloride	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	5000
Bromodichloromethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	10000
1,2-Dichloropropane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	9000
cis-1,3-Dichloropropene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	4000
Trichloroethene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	58000
Dibromochloromethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
1,1,2-Trichloroethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	11000
Benzene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	22000
1,1,3-Dichloropropene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	4000
2-Chloroethyl Vinyl Ether	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
Bromotoluene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	81000
Tetrachloroethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	12000
1,1,2,2-Tetrachloroethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	3000
Toluene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	16000000
Chlorobenzene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	1600000
2-Butanone	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
Ethyl Benzene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	7800000
m/p-Xylenes	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	16000000
o-Xylene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	16000000
Acetone	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	7800000
Carbon Disulfide	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	7800000
4-Methyl-2-Pentanone	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
2-Hexanone	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
Styrene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	16000000
1,3-Dichlorobenzene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
1,4-Dichlorobenzene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	27000
1,2-Dichlorobenzene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	7000000
Dichlorodifluoromethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
Vinyl Acetate	26 U	26 U	27 U	26 U	29 U	26 U	26 U	26 U	78000000
2,2-Dichloropropane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
Bromochloromethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
1,1-Dichloropropane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
1,3-Dichloropropane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
1,2-Dibromoethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
Isopropylbenzene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
1,2,3-Trichloropropane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
1,1,1,2-Tetrachloroethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
Bromobenzene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
n-propylbenzene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
2-Chlorotoluene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
1,3,5-Trimethylbenzene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
4-Chlorotoluene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
tert-Butylbenzene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
1,2,4-Trimethylbenzene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
sec-Butylbenzene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
p-Isopropyltoluene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
Dibromomethane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
n-Butylbenzene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
1,2-Dibromo-3-Chloropropane	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
1,2,4-Trichlorobenzene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	780000
Hexachlorobutadiene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	8000
Naphthalene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	3100000
MTBE	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
1,2,3-Trichlorobenzene	5.2 U	5.2 U	5.3 U	5.6 U	5.9 U	5.2 U	5.2 U	5.2 U	—
Total Conc. VOAs (g)	ND	ND	3	4	7	ND	5	5	10000

**Qualifiers**

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantification limit but greater than zero.

The concentration given is an approximate value.

6: The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

— Not established

ND: Not detected



SUMMARY OF ANALYTICAL RESULTS  
 NGC-PLANT 1 - EXTERIOR AREAS OF CONCERN  
 VOLATILE ORGANIC COMPOUNDS

Sample Location	Courtyard Between Hangars 1 and 2				Area West of Hangar 1				Comparison Value for Areas of Concern
	E34 B03 0-2'	E34 B03 2-4'	E34 B04 0-2'	E34 B04 2-4'	E35 B01 0-2'	E35 B01 2-4'	E35 B02 0-2'	E35 B02 2-4'	
Sample ID	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	
Sampling Date	09/25/00	09/25/00	09/25/00	09/25/00	10/10/00	10/10/00	10/10/00	10/10/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
Bromomethane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
Vinyl Chloride	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	300
Chloroethane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
Methylene Chloride	3.5 J	5.1 U	5.1 U	8.4	5.5	5.4 U	5.2 U	5.3 U	85000
Trichlorofluoromethane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
1,1-Dichloroethene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	1000
1,1-Dichloroethane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	7800000
trans-1,2-Dichloroethene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	1600000
cis-1,2-Dichloroethene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	780000
Chloroform	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	100000
1,2-Dichloroethane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	7000
1,1,1-Trichloroethane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
Carbon Tetrachloride	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	5000
Bromodichloromethane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	10000
1,2-Dichloropropane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	9000
cis-1,3-Dichloropropene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	4000
Trichloroethene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	58000
Dibromochloromethane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
1,1,2-Trichloroethane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	11000
Benzene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	22000
t-1,3-Dichloropropene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	4000
2-Chloroethyl Vinyl Ether	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
Bromoform	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	81000
Tetrachloroethene	5.5 U	5.1 U	5.1 U	5.7 U	4.3 J	5.4 U	5.2 U	5.3 U	12000
1,1,2,2-Tetrachloroethane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	3000
Toluene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	16000000
Chlorobenzene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	1600000
2-Butanone	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
Ethyl Benzene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	7800000
m/p-Xylenes	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	160000000
o-Xylene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	160000000
Acetone	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	7800000
Carbon Disulfide	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	7800000
4-Methyl-2-Pentanone	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
2-Hexanone	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
Styrene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	16000000
1,3-Dichlorobenzene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
1,4-Dichlorobenzene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	27000
1,2-Dichlorobenzene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	7000000
Dichlorodifluoromethane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
Vinyl Acetate	27 U	26 U	26 U	28 U	27 U	27 U	26 U	27 U	78000000
2,2-Dichloropropane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
Bromochloromethane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
1,1-Dichloropropane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
1,3-Dichloropropane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
1,2-Dibromoethane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
Isopropylbenzene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
1,2,3-Trichloropropane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
1,1,1,2-Tetrachloroethane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
Bromobenzene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
n-propylbenzene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
2-Chlorotoluene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
1,3,5-Trimethylbenzene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
4-Chlorotoluene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
tert-Butylbenzene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
1,2,4-Trimethylbenzene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
sec-Butylbenzene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
p-Isopropyltoluene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
Dibromomethane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
n-Butylbenzene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
1,2-Dibromo-3-Chloropropane	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
1,2,4-Trichlorobenzene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	780000
Hexachlorobutadiene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	8000
Naphthalene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	3100000
MTBE	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
1,2,3-Trichlorobenzene	5.5 U	5.1 U	5.1 U	5.7 U	5.4 U	5.4 U	5.2 U	5.3 U	—
Total Conc. VOAs (s)	4	ND	ND	ND	11	ND	ND	ND	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

— Not established  
 ND Not detected

Table C-8  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Drainage Swale (N of Maintenance Area)				Former Discoloration (SE Parking Area)				Comparison Value for Areas of Concern
Sample ID	E36 B01 1-3'	E36 B01 3-6'	E36 B02 1-3'	E36 B02 3-6'	E37 B01 0-2'	E37 B01 2-4'	E37 B02 0-2'	E37 B02 2-4'	
Sample Depth (ft)	1-3	3-6	1-3	3-6	0-2	2-4	0-2	2-4	
Sampling Date	09/25/00	09/25/00	09/25/00	09/25/00	09/29/00	09/29/00	09/29/00	09/29/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
Bromomethane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
Vinyl Chloride	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	300
Chloroethane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
Methylene Chloride	3.4 J	3 J	5.3 U	2.5 J	5.4 U	2.5 J	3 J	4.2 J	85000
Trichlorofluoromethane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
1,1-Dichloroethene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	1000
1,1-Dichloroethane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	7800000
trans-1,2-Dichloroethene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	1600000
cis-1,2-Dichloroethene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	780000
Chloroform	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	100000
1,2-Dichloroethane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	7000
1,1,1-Trichloroethane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
Carbon Tetrachloride	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	5000
Bromodichloromethane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	10000
1,2-Dichloropropane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	9000
cis-1,3-Dichloropropane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	4000
Trichloroethene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	58000
Dibromochloromethane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
1,1,2-Trichloroethane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	11000
Benzene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	22000
1,3-Dichloropropene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	4000
2-Chloroethyl Vinyl Ether	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
Bromoforn	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	81000
Tetrachloroethene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	61
1,1,2,2-Tetrachloroethane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	3000
Toluene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	16000000
Chlorobenzene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	1600000
2-Butanone	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
Ethyl Benzene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	7800000
m,p-Xylenes	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	160000000
o-Xylene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	160000000
Acetone	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	32	5.2 U	7800000
Carbon Disulfide	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	7800000
4-Methyl-2-Pentanone	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
2-Hexanone	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
Styrene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	16000000
1,3-Dichlorobenzene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
1,4-Dichlorobenzene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	27000
1,2-Dichlorobenzene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	7000000
Dichlorodifluoromethane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
Vinyl Acetate	28 U	26 U	27 U	26 U	27 U	27 U	26 U	26 U	78000000
2,2-Dichloropropane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
Bromochloromethane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
1,1-Dichloropropane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
1,3-Dichloropropane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
1,2-Dibromomethane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
Isopropylbenzene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
1,2,3-Trichloropropane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
1,1,1,2-Tetrachloroethane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
Bromobenzene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
n-propylbenzene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
2-Chlorotoluene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
1,3,5-Trimethylbenzene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
4-Chlorotoluene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
tert-Butylbenzene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
1,2,4-Trimethylbenzene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
sec-Butylbenzene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
p-Isopropyltoluene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
Dibromomethane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
n-Butylbenzene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
1,2-Dibromo-3-Chloropropane	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
1,2,4-Trichlorobenzene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	780000
Hexachlorobutadiene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	8000
Naphthalene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	3100000
MTBE	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
1,2,3-Trichlorobenzene	5.6 U	5.2 U	5.3 U	5.3 U	5.4 U	5.4 U	5.5 U	5.2 U	—
Total Conc. VOAs (s)	3	3	ND	3	ND	3	35	10	10000

**Qualifiers**

U: The compound was not detected at the indicated concentration.

J: Data indicate the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

B: The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

— Not established

ND: Not detected

C-8  
SUMMARY ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Boiler Room Exterior Former Dry Well		Dry Well Outside Former Facility Maintenance Area		Dry Well Outside Former Paint Tunnel		Unidentified Pit Outside Boiler Room		Comparison Value for Areas of Concern
Sample ID	E38 B01 10-12	E38 B01 20-22	E39 B01 8-10	E39 B01 20-22	E41 B01 8-10	E41 B01 18-20	E42 B01 3-5	E42 B01 5-7	
Sample Depth (ft)	10-12	20-22	8-10	20-22	8-10	18-20	3-5	5-7	
Sampling Date	10/12/00	10/12/00	10/12/00	10/12/00	10/12/00	10/12/00	10/12/00	10/12/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chloromethane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
Bromomethane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
Vinyl Chloride	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	300
Chloroethane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
Methylene Chloride	5.8 U	6 U	3.4 J	3.5 J	3.9 J	3.6 J	3.6 J	3.3 J	85000
Trichlorofluoromethane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
1,1-Dichloroethene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	1000
1,1-Dichloroethane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	7800000
trans-1,2-Dichloroethene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	1600000
cis-1,2-Dichloroethene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	780000
Chloroform	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	100000
1,2-Dichloroethane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	7000
1,1,1-Trichloroethane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
Carbon Tetrachloride	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	5000
Bromodichloromethane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	10000
1,2-Dichloropropane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	9000
cis-1,3-Dichloropropene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	4000
Trichloroethene	5.8 U	6 U	5.1 U	1.9 J	6.3 U	5.2 U	5.4 U	5.2 U	58000
Dibromochloromethane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
1,1,2-Trichloroethane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	11000
Benzene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	22000
1,3-Dichloropropene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	4000
2-Chloroethyl Vinyl Ether	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
Bromoform	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	81000
Tetrachloroethene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	12000
1,1,2,2-Tetrachloroethane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	3000
Toluene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	16000000
Chlorobenzene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	1600000
2-Butanone	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
Ethyl Benzene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	7800000
m/p-Xylenes	5.8 U	6 U	1.3 J	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	16000000
o-Xylene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	16000000
Acetone	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	7800000
Carbon Disulfide	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	7800000
4-Methyl-2-Pentanone	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
2-Hexanone	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
Styrene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	16000000
1,3-Dichlorobenzene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
1,4-Dichlorobenzene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	27000
1,2-Dichlorobenzene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	7000000
Dichlorodifluoromethane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
Vinyl Acetate	29 U	30 U	26 U	26 U	31 U	26 U	27 U	26 U	78000000
2,2-Dichloropropane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
Bromochloromethane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
1,1-Dichloropropene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
1,3-Dichloropropane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
1,2-Dibromoethane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
Isopropylbenzene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
1,2,3-Trichloropropane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
1,1,1,2-Tetrachloroethane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
Bromobenzene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
n-propylbenzene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
2-Chlorotoluene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
1,3,5-Trimethylbenzene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
4-Chlorotoluene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
tert-Butylbenzene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
1,2,4-Trimethylbenzene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
sec-Butylbenzene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
p-Isopropyltoluene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
Dibromomethane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
n-Butylbenzene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
1,2-Dibromo-3-Chloropropane	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
1,2,4-Trichlorobenzene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	780000
Hexachlorobutadiene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	8000
Naphthalene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	3100000
MTBE	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
1,2,3-Trichlorobenzene	5.8 U	6 U	5.1 U	5.2 U	6.3 U	5.2 U	5.4 U	5.2 U	—
Total Conc. VOAs (s)	ND	ND	5	5	4	4	4	3	10000

**Qualifiers**

U The compound was not detected at the indicated concentration.  
J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.  
The concentration given is an approximate value.  
S The analysis was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

— Not established  
ND Not detected

Table C-8  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT1 - EXTERIOR AREAS OF CONCERN  
VOLATILE ORGANIC COMPOUNDS

Sample Location	Former 2,000 Gal Gas USTs (4) S. of Refrig/AC Room		Former Gas pump House S. of Refrig/AC Room						Comparison Value for Areas of Concern
Sample ID	E43 B01 6-8	E43 B01 14-16	E44B01 0-2	E44B01 2-4					
Sample Depth (ft)	6-8	14-16	0-2	2-4					
Sampling Date	10/12/00	10/12/00	10/11/00	10/11/00					
Matrix	S	S	S	S					
Dilution Factor	1.0	1.0	1.0	1.0					
Units	ug/kg	ug/kg	ug/kg	ug/kg					ug/kg
Chloromethane	5.7 U	5.8 U	6 U	5.7 U					—
Bromomethane	5.7 U	5.8 U	6 U	5.7 U					—
Vinyl Chloride	5.7 U	5.8 U	6 U	5.7 U					300
Chloroethane	5.7 U	5.8 U	6 U	5.7 U					—
Methylene Chloride	3.6 J	3.6 J	5.9 B	5.7 U					85000
Trichlorofluoromethane	5.7 U	5.8 U	6 U	5.7 U					—
1,1-Dichloroethene	5.7 U	5.8 U	6 U	5.7 U					1000
1,1-Dichloroethane	5.7 U	5.8 U	6 U	5.7 U					7800000
trans-1,2-Dichloroethene	5.7 U	5.8 U	6 U	5.7 U					1600000
cis-1,2-Dichloroethene	5.7 U	5.8 U	6 U	5.7 U					780000
Chloroform	5.7 U	5.8 U	6 U	5.7 U					100000
1,2-Dichloroethane	5.7 U	5.8 U	6 U	5.7 U					7000
1,1,1-Trichloroethane	5.7 U	5.8 U	6 U	5.7 U					—
Carbon Tetrachloride	5.7 U	5.8 U	6 U	5.7 U					5000
Bromodichloromethane	5.7 U	5.8 U	6 U	5.7 U					10000
1,2-Dichloropropane	5.7 U	5.8 U	6 U	5.7 U					9000
cis-1,3-Dichloropropane	5.7 U	5.8 U	6 U	5.7 U					4000
Trichloroethene	5.7 U	5.8 U	6 U	5.7 U					58000
Dibromochloromethane	5.7 U	5.8 U	6 U	5.7 U					—
1,1,2-Trichloroethane	5.7 U	5.8 U	6 U	5.7 U					11000
Benzene	5.7 U	5.8 U	6 U	5.7 U					22000
1,3-Dichloropropane	5.7 U	5.8 U	6 U	5.7 U					4000
2-Chloroethyl Vinyl Ether	5.7 U	5.8 U	6 U	5.7 U					—
Bromoforn	5.7 U	5.8 U	6 U	5.7 U					81000
Tetrachloroethane	5.7 U	5.8 U	6 U	5.7 U					12000
1,1,2,2-Tetrachloroethane	5.7 U	5.8 U	6 U	5.7 U					3000
Toluene	5.7 U	5.8 U	6 U	5.7 U					16000000
Chlorobenzene	5.7 U	5.8 U	6 U	5.7 U					1600000
2-Butanone	5.7 U	5.8 U	6 U	5.7 U					—
Ethyl Benzene	5.7 U	5.8 U	6 U	5.7 U					7800000
m,p-Xylenes	5.7 U	5.8 U	6 U	5.7 U					160000000
o-Xylene	5.7 U	5.8 U	6 U	5.7 U					160000000
Acetone	5.7 U	5.8 U	6 U	5.7 U					7800000
Carbon Disulfide	5.7 U	5.8 U	6 U	5.7 U					7800000
4-Methyl-2-Pentanone	5.7 U	5.8 U	6 U	5.7 U					—
2-Hexanone	5.7 U	5.8 U	6 U	5.7 U					—
Styrene	5.7 U	5.8 U	6 U	5.7 U					16000000
1,3-Dichlorobenzene	5.7 U	5.8 U	6 U	5.7 U					—
1,4-Dichlorobenzene	5.7 U	5.8 U	6 U	5.7 U					27000
1,2-Dichlorobenzene	5.7 U	5.8 U	6 U	5.7 U					7000000
Dichlorodifluoromethane	5.7 U	5.8 U	6 U	5.7 U					—
Vinyl Acetate	28 U	29 U	30 U	28 U					78000000
2,2-Dichloropropane	5.7 U	5.8 U	6 U	5.7 U					—
Bromochloromethane	5.7 U	5.8 U	6 U	5.7 U					—
1,1-Dichloropropane	5.7 U	5.8 U	6 U	5.7 U					—
1,3-Dichloropropane	5.7 U	5.8 U	6 U	5.7 U					—
1,2-Dibromoethane	5.7 U	5.8 U	6 U	5.7 U					—
Isopropylbenzene	5.7 U	5.8 U	6 U	5.7 U					—
1,2,3-Trichloropropane	5.7 U	5.8 U	6 U	5.7 U					—
1,1,1,2-Tetrachloroethane	5.7 U	5.8 U	6 U	5.7 U					—
Bromobenzene	5.7 U	5.8 U	6 U	5.7 U					—
n-propylbenzene	5.7 U	5.8 U	6 U	5.7 U					—
2-Chlorotoluene	5.7 U	5.8 U	6 U	5.7 U					—
1,3,5-Trimethylbenzene	5.7 U	5.8 U	6 U	5.7 U					—
4-Chlorotoluene	5.7 U	5.8 U	6 U	5.7 U					—
tert-Butylbenzene	5.7 U	5.8 U	6 U	5.7 U					—
1,2,4-Trimethylbenzene	5.7 U	5.8 U	6 U	5.7 U					—
sec-Butylbenzene	5.7 U	5.8 U	6 U	5.7 U					—
p-Isopropyltoluene	5.7 U	5.8 U	6 U	5.7 U					—
Dibromomethane	5.7 U	5.8 U	6 U	5.7 U					—
n-Butylbenzene	5.7 U	5.8 U	6 U	5.7 U					—
1,2-Dibromo-3-Chloropropane	5.7 U	5.8 U	6 U	5.7 U					—
1,2,4-Trichlorobenzene	5.7 U	5.8 U	6 U	5.7 U					780000
Hexachlorobutadiene	5.7 U	5.8 U	6 U	5.7 U					8000
Naphthalene	5.7 U	5.8 U	6 U	5.7 U					3100000
MTBE	5.7 U	5.8 U	6 U	5.7 U					—
1,2,3-Trichlorobenzene	5.7 U	5.8 U	6 U	5.7 U					—
Total Conc. VOAs (g)	4	4	9	ND					10000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Date indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.  
The concentration given is an approximate value.

B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

**Notes:**

— Not established

ND Not detected

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - E1  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Settling Tanks/Leaching Pools								Comparison Value
Sample ID	E1 B01 14-16	E1 B01 20-22	E01B02 12-14	E01B02 20-22	E01B03 12-14	E01B03 20-22	E01B04 12-14	E01B04 20-22	for Areas
Sample Depth (ft)	14-16	20-22	12-14	20-22	12-14	20-22	12-14	20-22	of Concern
Sampling Date	10/17/00	10/17/00	10/09/00	10/09/00	10/09/00	10/09/00	10/09/00	10/09/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	4700000
2-Chlorophenol	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	390000
2-Nitrophenol	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
2,4-Dimethylphenol	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	1600000
2,4-Dichlorophenol	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	230000
4-Chloro-3-methylphenol	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
2,4,6-Trichlorophenol	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	58000
2,4-Dinitrophenol	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	160000
4-Nitrophenol	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
4,6-Dinitro-2-methylphenol	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
Pentachlorophenol	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	3000
bis(2-Chloroethyl)ether	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	600
1,3-Dichlorobenzene	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
1,4-Dichlorobenzene	350 U	350 U	410 U	370 U	400 U	380 U	240 J	370 U	27000
1,2-Dichlorobenzene	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	7000000
N-Nitroso-di-n-propylamine	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	90
Hexachloroethane	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	46000
Nitrobenzene	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	39000
Isophorone	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	670000
bis(2-Chloroethoxy)methane	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
1,2,4-Trichlorobenzene	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	780000
Naphthalene	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	3100000
Hexachlorobutadiene	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	8000
Hexachlorocyclopentadiene	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	550000
2-Chloronaphthalene	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
Dimethylphthalate	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
Acenaphthylene	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
2,6-Dinitrotoluene	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	900
Acenaphthene	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	4700000
2,4-Dinitrotoluene	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	900
Diethylphthalate	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	63000000
4-Chlorophenyl-phenylether	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
Fluorene	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
N-Nitrosodiphenylamine	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	3100000
4-Bromophenyl-phenylether	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	130000
Hexachlorobenzene	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
Phenanthrene	350 U	350 U	75 J	370 U	400 U	380 U	400 U	370 U	400
Anthracene	350 U	350 U	410 U	370 U	400 U	380 U	140 J	370 U	---
Di-n-butylphthalate	37 J	48 J	48 J	370 U	400 U	380 U	400 U	370 U	23000000
Fluoranthene	350 U	350 U	130 J	370 U	52 J	58 J	170 J	180 J	7800000
Pyrene	350 U	350 U	97 J	370 U	400 U	380 U	320 J	370 U	3100000
Butylbenzylphthalate	350 U	350 U	86 J	370 U	400 U	380 U	240 J	370 U	2300000
3,3'-Dichlorobenzidine	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	16000000
Benzo(a)anthracene	350 U	350 U	53 J	370 U	400 U	380 U	160 J	370 U	1000
Chrysene	350 U	350 U	77 J	370 U	400 U	380 U	200 J	370 U	88000
bis(2-Ethylhexyl)phthalate	350 U	350 U	350 J	370 U	400 U	380 U	260 J	370 U	46000
Di-n-octyl phthalate	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	16000000
Benzo(b)fluoranthene	350 U	350 U	47 J	370 U	400 U	380 U	130 J	370 U	900
Benzo(k)fluoranthene	350 U	350 U	60 J	370 U	400 U	380 U	200 J	370 U	9000
Benzo(a)pyrene	350 U	350 U	410 U	370 U	400 U	380 U	77 J	370 U	90
Indeno(1,2,3-cd)pyrene	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	900
Dibenzo(a,h)anthracene	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	90
Benzo(g,h,i)perylene	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
2,4,5-Trichlorophenol	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	7800000
2-Methylphenol	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	3900000
3+4-Methylphenols	690 U	710 U	810 U	750 U	790 U	770 U	800 U	730 U	---
Benzyl Alcohol	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
2,2'-oxybis(1-Chloropropane)	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
4-Chloroaniline	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	310000
2-Methylnaphthalene	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
4-Nitroaniline	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
2-Nitroaniline	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
3-Nitroaniline	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
Dibenzofuran	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
Azobenzene	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	---
Benzoic acid	350 U	350 U	410 U	370 U	400 U	380 U	400 U	370 U	310000000
Total Carcinogenic PAHs	0	0	237	0	0	0	767	0	10000
Total PAHs	0	0	539	0	0	0	1467	0	100000
Total Conc. SVOC (s)	37	48	1024	ND	52	56	2137	180	500000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

**Notes**

--- Not established

ND Not detected

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Settling Tanks/Leaching Pools								Comparison Value for Areas of Concern
	E01B05 12-14" 12-14 10/09/00 S 1.0 ug/kg	E01B05 18-20" 18-20 10/09/00 S 1.0 ug/kg	E1B06 12-14 12-14 10/11/00 S 1.0 ug/kg	E1B06 20-22 20-22 10/11/00 S 1.0 ug/kg	E1B07 12-14 12-14 10/11/00 S 1.0 ug/kg	E1B07 20-22 20-22 10/11/00 S 1.0 ug/kg	E01 B08 18-20 18-20 10/10/00 S 1.0 ug/kg	E01 B08 24-28 24-28 10/10/00 S 1.0 ug/kg	
Phenol	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	47000000
2-Chlorophenol	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	390000
2-Nitrophenol	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
2,4-Dimethylphenol	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	1600000
2,4-Dichlorophenol	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	230000
4-Chloro-3-methylphenol	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
2,4,6-Trichlorophenol	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	58000
2,4-Dinitrophenol	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	160000
4-Nitrophenol	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
4,6-Dinitro-2-methylphenol	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
Pentachlorophenol	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	3000
bis(2-Chloroethoxy)ether	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	600
1,3-Dichlorobenzene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
1,4-Dichlorobenzene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	27000
1,2-Dichlorobenzene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	7000000
N-Nitroso-di-n-propylamine	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	90
Hexachloroethane	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	46000
Nitrobenzene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	39000
Isophorone	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	670000
bis(2-Chloroethoxy)methane	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
1,2,4-Trichlorobenzene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	780000
Naphthalene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	3100000
Hexachlorobutadiene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	8000
Hexachlorocyclopentadiene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	650000
2-Chloronaphthalene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
Dimethylphthalate	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
Acenaphthylene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
2,6-Dinitrotoluene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
Acenaphthene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	900
2,4-Dinitrotoluene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	4700000
Diethylphthalate	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	900
4-Chlorophenyl-phenylether	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	63000000
Fluorene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
N-Nitrosodiphenylamine	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	3100000
4-Bromophenyl-phenylether	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	130000
Hexachlorobenzene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
Phenanthrene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	400
Anthracene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
Di-n-butylphthalate	66 J	52 J	250 J	230 J	39 J	61 J	56 J	38 J	23000000
Fluoranthene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	7800000
Pyrene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	3100000
Butylbenzylphthalate	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	2300000
3,3'-Dichlorobenzidine	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	16000000
Benzo(a)anthracene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	1000
Chrysene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	900
bis(2-Ethylhexyl)phthalate	61 J	360 U	36 J	340 U	340 U	340 U	340 U	360 U	88000
Di-n-octyl phthalate	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	46000
Benzo(b)fluoranthene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	16000000
Benzo(k)fluoranthene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	900
Benzo(a)pyrene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	9000
Indeno(1,2,3-cd)pyrene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	90
Dibenzo(a,h)anthracene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	900
Benzo(g,h,i)perylene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	90
2,4,5-Trichlorophenol	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
2-Methylphenol	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	7800000
3+4-Methylphenols	840 U	720 U	690 U	690 U	880 U	690 U	680 U	720 U	3900000
Benzyl Alcohol	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
2,2'-oxybis(1-Chloropropane)	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
4-Chloroaniline	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	310000
2-Methylnaphthalene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
4-Nitroaniline	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
2-Nitroaniline	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
3-Nitroaniline	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
Dibenzofuran	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
Azobenzene	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	---
Benzoic acid	420 U	360 U	340 U	340 U	340 U	340 U	340 U	360 U	31000000
Total Carcinogenic PAHs	0	0	0	0	0	0	0	0	10000
Total PAHs	0	0	0	0	0	0	0	0	100000
Total Conc. SVOC (g)	130	52	286	230	39	61	56	38	500000

**Qualifiers**

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantification limit but greater than zero.

**Notes**

--- Not established

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXISTING AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Settling Tanks/Leaching Pools								Comparison Value
Sample ID	E01 B09 16-18	E01 B09 24-26	E01 B11 12-14	E01 B11 20-22	E01 B12 12-14	E01 B12 20-22	E01 B13 12-14	E01 B13 20-22	for Areas of Concern
Sample Depth (ft)	16-18	24-26	12-14	20-22	12-14	20-22	12-14	20-22	
Sampling Date	10/10/00	10/10/00	10/10/00	10/10/00	10/13/00	10/13/00	10/13/00	10/13/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	4700000
2-Chlorophenol	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	390000
2-Nitrophenol	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
2,4-Dimethylphenol	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	1600000
2,4-Dichlorophenol	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	230000
4-Chloro-3-methylphenol	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
2,4,6-Trichlorophenol	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	58000
2,4-Dinitrophenol	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	160000
4-Nitrophenol	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
4,6-Dinitro-2-methylphenol	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
Pentachlorophenol	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	3000
bis(2-Chloroethyl)ether	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	600
1,3-Dichlorobenzene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
1,4-Dichlorobenzene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	27000
1,2-Dichlorobenzene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	7000000
N-Nitroso-di-n-propylamine	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	90
Hexachloroethane	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	46000
Nitrobenzene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	39000
Isophorone	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	670000
bis(2-Chloroethoxy)methane	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
1,2,4-Trichlorobenzene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	780000
Naphthalene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	3100000
Hexachlorobutadiene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	8000
Hexachlorocyclopentadiene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	550000
2-Chloronaphthalene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
Dimethylphthalate	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
Acenaphthylene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
2,6-Dinitrotoluene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	900
Acenaphthene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	4700000
2,4-Dinitrotoluene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	900
Diethylphthalate	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	63000000
4-Chlorophenyl-phenylether	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
Fluorene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	3100000
N-Nitrosodiphenylamine	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	130000
4-Bromophenyl-phenylether	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
Hexachlorobenzene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	400
Phenanthrene	340 U	350 U	400 U	390 U	370 U	420 U	98 J	410 U	---
Anthracene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	2300000
Di-n-butylphthalate	94 J	59 J	400 U	110 J	49 J	110 J	76 J	53 J	7800000
Fluoranthene	340 U	350 U	400 U	390 U	370 U	420 U	120 J	410 U	3100000
Pyrene	340 U	350 U	400 U	390 U	370 U	420 U	120 J	410 U	2300000
Butylbenzylphthalate	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	16000000
3,3'-Dichlorobenzidine	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	1000
Benzo(a)anthracene	340 U	350 U	400 U	390 U	370 U	420 U	71 J	410 U	800
Chrysene	340 U	350 U	400 U	390 U	370 U	420 U	98 J	410 U	88000
bis(2-Ethylhexyl)phthalate	340 U	350 U	400 U	390 U	60 J	420 U	180 J	410 U	46000
Di-n-octyl phthalate	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	16000000
Benzo(b)fluoranthene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	900
Benzo(k)fluoranthene	340 U	350 U	400 U	390 U	370 U	420 U	74 J	410 U	9000
Benzo(a)pyrene	340 U	350 U	400 U	390 U	370 U	420 U	68 J	410 U	90
Indeno(1,2,3-cd)pyrene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	900
Dibenzo(a,h)anthracene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	90
Benzo(g,h,i)perylene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
2,4,5-Trichlorophenol	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	7800000
2-Methylphenol	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	3900000
3,4-Methylphenols	690 U	690 U	790 U	780 U	740 U	840 U	74 J	810 U	---
Benzyl Alcohol	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
2,2'-oxybis(1-Chloropropane)	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
4-Chloroaniline	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	310000
2-Methylnaphthalene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
4-Nitroaniline	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
2-Nitroaniline	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
3-Nitroaniline	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
Dibenzofuran	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
Azobenzene	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	---
Benzic acid	340 U	350 U	400 U	390 U	370 U	420 U	630 U	410 U	31000000
Total Carcinogenic PAHs	0	0	0	0	0	0	309	0	10000
Total PAHs	0	0	0	0	0	0	647	0	100000
Total Conc. SVOC (s)	94	59	ND	110	109	110	977	53	500000

**Qualifiers**

U: The compound was not detected at the indicated concentration

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

**Notes**

--- Not established

ND Not detected

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Settling Tanks/Leaching Pools		Six Former Leaching Pools						Comparison Value for Areas of Concern
Sample ID	E01B14 12-14'	E01B14 16-20'	E2 B01 12-14'	E2 B01 20-22'	E2 B02 6-8'	E2 B02 14-16'	E2 B03 12-14'	E2 B03 20-22'	
Sample Depth (ft)	12-14'	16-20'	12-14'	20-22'	6-8'	14-16'	12-14'	20-22'	
Sampling Date	10/09/00	10/09/00	09/29/00	09/29/00	09/28/00	09/28/00	09/29/00	09/29/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	4700000
2-Chlorophenol	350 U	340 U	340 U	340 U	350 U	350 U	340 U	340 U	390000
2-Nitrophenol	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	---
2,4-Dimethylphenol	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	1600000
2,4-Dichlorophenol	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	230000
4-Chloro-3-methylphenol	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	---
2,4,6-Trichlorophenol	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	58000
2,4-Dinitrophenol	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	160000
4-Nitrophenol	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	---
4,6-Dinitro-2-methylphenol	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	---
Pentachlorophenol	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	3000
bis(2-Chloroethyl)ether	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	600
1,3-Dichlorobenzene	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	---
1,4-Dichlorobenzene	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	27000
1,2-Dichlorobenzene	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	7000000
N-Nitroso-di-n-propylamine	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	90
Hexachloroethane	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	48000
Nitrobenzene	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	39000
Isophorone	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	670000
bis(2-Chloroethoxy)methane	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	---
1,2,4-Trichlorobenzene	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	780000
Naphthalene	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	3100000
Hexachlorobutadiene	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	8000
Hexachlorocyclopentadiene	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	550000
2-Chloronaphthalene	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	---
Dimethylphthalate	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	---
Acenaphthylene	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	---
2,6-Dinitrotoluene	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	900
Acenaphthene	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	4700000
2,4-Dinitrotoluene	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	900
Diethylphthalate	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	63000000
4-Chlorophenyl-phenylether	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	---
Fluorene	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	3100000
N-Nitrosodiphenylamine	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	130000
4-Bromophenyl-phenylether	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	---
Hexachlorobenzene	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	400
Phenanthrene	350 U	340 U	340 U	340 U	180 J	350 U	120 J	95 J	---
Anthracene	350 U	340 U	340 U	340 U	43 J	350 U	340 U	350 U	23000000
Di-n-butylphthalate	350 U	340 U	55 J	65 J	64 J	350 U	120 J	180 J	7800000
Fluoranthene	360 U	340 U	340 U	340 U	390	350 U	140 J	150 J	3100000
Pyrene	350 U	340 U	340 U	340 U	730	350 U	93 J	97 J	2300000
Butylbenzylphthalate	350 U	340 U	340 U	340 U	41 J	350 U	340 U	350 U	16000000
3,3'-Dichlorobenzidine	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	1000
Benzo(a)anthracene	360 U	340 U	340 U	340 U	310 J	350 U	48 J	54 J	900
Chrysene	360 U	340 U	340 U	340 U	380	350 U	52 J	59 J	88000
bis(2-Ethylhexyl)phthalate	350 U	340 U	340 U	340 U	270 J	350 U	340 U	350 U	46000
Di-n-octyl phthalate	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	16000000
Benzo(b)fluoranthene	360 U	340 U	340 U	340 U	390	350 U	37 J	45 J	900
Benzo(k)fluoranthene	360 U	340 U	340 U	340 U	500	350 U	340 U	45 J	9000
Benzo(a)pyrene	350 U	340 U	340 U	340 U	360	350 U	40 J	47 J	90
Indeno(1,2,3-cd)pyrene	350 U	340 U	340 U	340 U	45 J	350 U	340 U	350 U	900
Dibenz(a,h)anthracene	350 U	340 U	340 U	340 U	43 J	350 U	340 U	350 U	90
Benzo(g,h,i)perylene	350 U	340 U	340 U	340 U	150 J	350 U	39 J	45 J	---
2,4,5-Trichlorophenol	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	7800000
2-Methylphenol	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	3900000
3+4-Methylphenols	700 U	680 U	680 U	680 U	720 U	690 U	690 U	710 U	---
Benzyl Alcohol	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	---
2,2'-oxybis(1-Chloropropane)	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	---
4-Chloroaniline	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	310000
2-Methylnaphthalene	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	---
4-Nitroaniline	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	---
2-Nitroaniline	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	---
3-Nitroaniline	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	---
Dibenzofuran	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	---
Azobenzene	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	---
Benzoic acid	350 U	340 U	340 U	340 U	360 U	350 U	340 U	350 U	31000000
Total Carcinogenic PAHs	0	0	0	0	2013	0	175	293	10000
Total PAHs	0	0	0	0	3547	0	567	660	100000
Total Conc. SVOC (g)	ND	ND	55	65	3926	ND	667	660	500000

**Qualifiers**

U- The compound was not detected at the indicated concentration.

J- Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

**Notes**

Result exceeds Comparison Value for Non-UIC Areas of Concern

Not established

ND- Not detected



Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - E1 AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Six Former Leaching Pools		Former Heat Treat Drainage Wells				Former Dry Well		Comparison Value for Areas of Concern
Sample ID	E2 B04 12-14	E2 B04 24-26	E03 B01 18-18	E03 B01 22-24	E03 B02 14-16	E03 B02 20-22	E04 B01 6-10	E04 B01 18-20	
Sample Depth (ft)	12-14	24-26	18-18	22-24	14-16	20-22	8-10	18-20	
Sampling Date	09/29/00	09/29/00	10/10/00	10/10/00	10/10/00	10/10/00	10/12/00	10/12/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	4700000
2-Chlorophenol	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	390000
2-Nitrophenol	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	---
2,4-Dimethylphenol	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	1800000
2,4-Dichlorophenol	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	230000
4-Chloro-3-methylphenol	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	---
2,4,6-Trichlorophenol	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	58000
2,4-Dinitrophenol	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	160000
4-Nitrophenol	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	---
4,6-Dinitro-2-methylphenol	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	---
Pentachlorophenol	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	3000
bis(2-Chloroethyl)ether	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	800
1,3-Dichlorobenzene	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	---
1,4-Dichlorobenzene	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	27000
1,2-Dichlorobenzene	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	7000000
N-Nitroso-di-n-propylamine	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	90
Hexachloroethane	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	48000
Nitrobenzene	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	39000
Isophorone	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	670000
bis(2-Chloroethoxy)methane	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	---
1,2,4-Trichlorobenzene	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	780000
Naphthalene	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	3100000
Hexachlorobutadiene	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	8000
Hexachlorocyclopentadiene	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	550000
2-Chloronaphthalene	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	---
Dimethylphthalate	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	---
Acenaphthylene	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	---
2,6-Dinitrotoluene	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	900
Acenaphthene	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	4700000
2,4-Dinitrotoluene	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	900
Diethylphthalate	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	63000000
4-Chlorophenyl-phenylether	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	---
Fluorene	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	3100000
N-Nitrosodiphenylamine	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	130000
4-Bromophenyl-phenylether	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	---
Hexachlorobenzene	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	400
Phenanthrene	340 U	370 U	240 J	400 U	390 U	420 U	400 U	340 U	---
Anthracene	340 U	370 U	62 J	400 U	390 U	420 U	400 U	340 U	23000000
Di-n-butylphthalate	58 J	84 J	100 J	53 J	55 J	53 J	84 J	77 J	7800000
Fluoranthene	340 U	370 U	410	400 U	390 U	420 U	400 U	340 U	3100000
Pyrene	340 U	370 U	300 J	400 U	390 U	420 U	400 U	340 U	2300000
Butylbenzylphthalate	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	16000000
3,3'-Dichlorobenzidine	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	1000
Benzo(a)anthracene	340 U	370 U	170 J	400 U	390 U	420 U	400 U	340 U	900
Chrysene	340 U	370 U	200 J	400 U	390 U	420 U	400 U	340 U	88000
bis(2-Ethylhexyl)phthalate	340 U	370 U	180 J	400 U	390 U	420 U	400 U	340 U	46000
Di-n-octyl phthalate	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	16000000
Benzo(b)fluoranthene	340 U	370 U	140 J	400 U	390 U	420 U	400 U	340 U	900
Benzo(k)fluoranthene	340 U	370 U	160 J	400 U	390 U	420 U	400 U	340 U	9000
Benzo(a)pyrene	340 U	370 U	130 J	400 U	390 U	420 U	400 U	340 U	90
Indeno(1,2,3-cd)pyrene	340 U	370 U	44 J	400 U	390 U	420 U	400 U	340 U	900
Dibenzo(a,h)anthracene	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	90
Benzo(g,h,i)perylene	340 U	370 U	48 J	400 U	390 U	420 U	400 U	340 U	---
2,4,5-Trichlorophenol	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	7800000
2-Methylphenol	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	3900000
3+4-Methylphenols	670 U	730 U	750 U	790 U	780 U	830 U	790 U	690 U	---
Benzyl Alcohol	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	---
2,2'-oxybis(1-Chloropropane)	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	---
4-Chloroaniline	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	310000
2-Methylnaphthalene	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	---
4-Nitroaniline	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	---
2-Nitroaniline	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	---
3-Nitroaniline	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	---
Dibenzofuran	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	---
Azobenzene	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	---
Benzoic acid	340 U	370 U	370 U	400 U	390 U	420 U	400 U	340 U	31000000
Total Carcinogenic PAHs	0	0	844	0	0	0	0	0	10000
Total PAHs	0	0	1805	0	0	0	0	0	100000
Total Conc. SVOC (s)	58	84	2165	53	55	53	64	77	500000

**Qualifiers**

U- The compound was not detected at the indicated concentration.

J- Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

**Notes**

Result exceeds Comparison Value for Areas of Concern

--- Not established

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Leaching Pool Area								Comparison Value for Areas of Concern
Sample ID	E6 B01 10-12	E6 B01 20-22	E6 B02 10-12	E6 B02 20-22	E6 B03 10-12	E6 B03 20-22	E6 B04 10-12	E6 B04 20-22	
Sample Depth (ft)	10-12	20-22	10-12	20-22	10-12	20-22	10-12	20-22	
Sampling Date	10/02/00	10/02/00	10/02/00	10/02/00	10/02/00	10/02/00	10/05/00	10/05/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	47000000
2-Chlorophenol	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	390000
2-Nitrophenol	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
2,4-Dimethylphenol	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	1800000
2,4-Dichlorophenol	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	230000
4-Chloro-3-methylphenol	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
2,4,6-Trichlorophenol	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	58000
2,4-Dinitrophenol	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	180000
4-Nitrophenol	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
4,6-Dinitro-2-methylphenol	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
Pentachlorophenol	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	3000
bis(2-Chloroethyl)ether	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	600
1,3-Dichlorobenzene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
1,4-Dichlorobenzene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	27000
1,2-Dichlorobenzene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	7000000
N-Nitroso-di-n-propylamine	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	90
Hexachloroethane	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	48000
Nitrobenzene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	39000
Isophorone	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	670000
bis(2-Chloroethoxy)methane	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
1,2,4-Trichlorobenzene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	780000
Naphthalene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	3100000
Hexachlorobutadiene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	8000
Hexachlorocyclopentadiene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	550000
2-Chloronaphthalene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
Dimethylphthalate	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
Acenaphthylene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
2,6-Dinitrotoluene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	900
Acenaphthene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	4700000
2,4-Dinitrotoluene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	900
Diethylphthalate	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	63000000
4-Chlorophenyl-phenylether	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
Fluorene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	3100000
N-Nitrosodiphenylamine	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	130000
4-Bromophenyl-phenylether	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
Hexachlorobenzene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	400
Phenanthrene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
Anthracene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	23000000
Di-n-butylphthalate	41 J	38 J	36 J	54 J	79 J	76 J	54 J	83 J	7800000
Fluoranthene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	3100000
Pyrene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	2300000
Butylbenzylphthalate	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	18000000
3,3'-Dichlorobenzidine	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	1000
Benzo(a)anthracene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	900
Chrysene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	88000
bis(2-Ethylhexyl)phthalate	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	48000
Di-n-octyl phthalate	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	18000000
Benzo(b)fluoranthene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	900
Benzo(k)fluoranthene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	9000
Benzo(a)pyrene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	90
Indeno(1,2,3-cd)pyrene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	900
Dibenzo(a,h)anthracene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	90
Benzo(g,h,i)perylene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
2,4,5-Trichlorophenol	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	7800000
2-Methylphenol	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	3900000
3+4-Methylphenols	690 U	690 U	700 U	690 U	690 U	690 U	690 U	770 U	---
Benzyl Alcohol	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
2,2'-oxybis(1-Chloropropane)	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
4-Chloroaniline	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	310000
2-Methylnaphthalene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
4-Nitroaniline	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
2-Nitroaniline	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
3-Nitroaniline	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
Dibenzofuran	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
Azobenzene	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	---
Benzoic acid	340 U	350 U	350 U	340 U	340 U	350 U	350 U	380 U	310000000
Total Carcinogenic PAHs	0	0	0	0	0	0	0	0	10000
Total PAHs	0	0	0	0	0	0	0	0	100000
Total Conc. SVOC (g)	41	38	36	54	79	76	54	83	500000

**Qualifiers**

U- The compound was not detected at the indicated concentration.

J- Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

**Notes**

--- Not established

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - E  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Leaching Pool Area						Nine Leaching Pools		Comparison Value for Areas of Concern
Sample ID	E6 B05 3-5	E6 B05 12-14	E06 B06 8-10	E06 B06 16-18	E06 B09 10-12	E06 B09 20-22	E7 B01 14-16	E7 B01 18-20	
Sample Depth (ft)	3-5	12-14	8-10	16-18	10-12	20-22	14-16	18-20	
Sampling Date	10/05/00	10/05/00	10/10/00	10/10/00	10/04/00	10/04/00	09/20/00	09/20/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	47000000
2-Chlorophenol	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	390000
2-Nitrophenol	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
2,4-Dimethylphenol	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	1600000
2,4-Dichlorophenol	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	230000
4-Chloro-3-methylphenol	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
2,4,6-Trichlorophenol	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	58000
2,4-Dinitrophenol	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	160000
4-Nitrophenol	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
4,6-Dinitro-2-methylphenol	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
Pentachlorophenol	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
bis(2-Chloroethoxy)ether	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	3000
1,3-Dichlorobenzene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	600
1,4-Dichlorobenzene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
1,2-Dichlorobenzene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	27000
N-Nitroso-di-n-propylamine	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	7000000
Hexachloroethane	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	90
Nitrobenzene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	46000
Isophorone	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	39000
bis(2-Chloroethoxy)methane	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	670000
1,2,4-Trichlorobenzene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
Naphthalene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	780000
Hexachlorobutadiene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	3100000
Hexachlorocyclopentadiene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	8000
2-Chloronaphthalene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	550000
Dimethylphthalate	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
Acenaphthylene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
2,6-Dinitrotoluene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
Acenaphthene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	900
2,4-Dinitrotoluene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	4700000
Diethylphthalate	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	900
4-Chlorophenyl-phenylether	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	63000000
Fluorene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
N-Nitrosodiphenylamine	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	3100000
4-Bromophenyl-phenylether	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	130000
Hexachlorobenzene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
Phenanthrene	350 U	340 U	58 J	350 U	99 J	340 U	340 U	350 U	400
Anthracene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
Di-n-butylphthalate	76 J	92 J	66 J	81 J	110 J	110 J	78 J	88 J	23000000
Fluoranthene	350 U	340 U	130 J	350 U	72 J	340 U	340 U	350 U	7800000
Pyrene	350 U	340 U	100 J	350 U	82 J	340 U	340 U	350 U	3100000
Butylbenzylphthalate	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	2300000
3,3'-Dichlorobenzidine	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	16000000
Benzo(a)anthracene	350 U	340 U	58 J	350 U	350 U	340 U	340 U	350 U	1000
Chrysene	350 U	340 U	81 J	350 U	350 U	340 U	340 U	350 U	900
bis(2-Ethylhexyl)phthalate	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	88000
Di-n-octyl phthalate	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	46000
Benzo(b)fluoranthene	350 U	340 U	53 J	350 U	350 U	340 U	340 U	350 U	16000000
Benzo(k)fluoranthene	350 U	340 U	77 J	350 U	350 U	340 U	340 U	350 U	900
Benzo(a)pyrene	350 U	340 U	57 J	350 U	350 U	340 U	340 U	350 U	9000
Indeno(1,2,3-cd)pyrene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	90
Dibenzo(a,h)anthracene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	900
Benzo(g,h,i)perylene	350 U	340 U	38 J	350 U	350 U	340 U	340 U	350 U	90
2,4,5-Trichlorophenol	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
2-Methylphenol	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	7800000
3+4-Methylphenols	690 U	690 U	780 U	700 U	700 U	690 U	670 U	690 U	3900000
Benzyl Alcohol	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
2,2'-oxybis(1-Chloropropane)	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
4-Chloroaniline	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
2-Methylnaphthalene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	310000
4-Nitroaniline	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
2-Nitroaniline	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
3-Nitroaniline	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
Dibenzofuran	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
Azobenzene	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
Benzoic acid	350 U	340 U	380 U	350 U	350 U	340 U	340 U	350 U	---
Total Carcinogenic PAHs	0	0	326	0	0	0	0	0	31000000
Total PAHs	0	0	652	0	253	0	0	0	10000
Total Conc. SVOC (s)	76	92	718	81	363	110	78	68	500000

#### Qualifiers

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

#### Notes

--- Not established

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Nine Leaching Pools									Comparison Value
Sample ID	E7 B02 12-14	E7 B02 16-18	E7 B03 11-13	E7 B03 19-21	E7 B04 11-13	E7 B04 19-21	E7 B05 15-17	E7 B05 19-21		for Areas
Sample Depth (ft)	12-14	16-18	11-13	19-21	11-13	19-21	15-17	19-21		of Concern
Sampling Date	09/20/00	09/20/00	09/21/00	09/21/00	09/21/00	09/21/00	09/21/00	09/21/00		
Matrix	S	S	S	S	S	S	S	S		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg
Phenol	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		4700000
2-Chlorophenol	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		390000
2-Nitrophenol	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
2,4-Dimethylphenol	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		1600000
2,4-Dichlorophenol	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		230000
4-Chloro-3-methylphenol	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
2,4,6-Trichlorophenol	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		58000
2,4-Dinitrophenol	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		160000
4-Nitrophenol	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
4,6-Dinitro-2-methylphenol	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
Pentachlorophenol	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		3000
bis(2-Chloroethyl)ether	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		600
1,3-Dichlorobenzene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
1,4-Dichlorobenzene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		27000
1,2-Dichlorobenzene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		7000000
N-Nitroso-di-n-propylamine	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		90
Hexachloroethane	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		46000
Nitrobenzene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		39000
Isophorone	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		670000
bis(2-Chloroethoxy)methane	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
1,2,4-Trichlorobenzene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		780000
Naphthalene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		3100000
Hexachlorobutadiene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		8000
Hexachlorocyclopentadiene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		550000
2-Chloronaphthalene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
Dimethylphthalate	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
Acenaphthylene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
2,6-Dinitrotoluene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		900
Acenaphthene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		4700000
2,4-Dinitrotoluene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		900
Diethylphthalate	340 U	370 U	340 U	38 J	340 U	350 U	340 U	450 U		63000000
4-Chlorophenyl-phenylether	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
Fluorene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		3100000
N-Nitrosodiphenylamine	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		130000
4-Bromophenyl-phenylether	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
Hexachlorobenzene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		400
Phenanthrene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
Anthracene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		23000000
Di-n-butylphthalate	130 J	89 J	340 U	73 J	340 U	50 J	340 U	120 J		7800000
Fluoranthene	340 U	370 U	38 J	350 U	340 U	350 U	340 U	450 U		3100000
Pyrene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		2300000
Butylbenzylphthalate	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		16000000
3,3'-Dichlorobenzidine	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		1000
Benzo(a)anthracene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		900
Chrysene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		88000
bis(2-Ethylhexyl)phthalate	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		46000
Di-n-octyl phthalate	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		16000000
Benzo(b)fluoranthene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		900
Benzo(k)fluoranthene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		9000
Benzo(a)pyrene	340 U	370 U	340 U	350 U	46 J	350 U	340 U	450 U		90
Indeno(1,2,3-cd)pyrene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		900
Dibenzo(a,h)anthracene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		90
Benzo(g,h,i)perylene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
2,4,5-Trichlorophenol	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		7800000
2-Methylphenol	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		3900000
3+4-Methylphenols	680 U	750 U	680 U	690 U	670 U	690 U	670 U	900 U		---
Benzyl Alcohol	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
2,2'-oxybis(1-Chloropropane)	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
4-Chloroaniline	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		310000
2-Methylnaphthalene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
4-Nitroaniline	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
2-Nitroaniline	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
3-Nitroaniline	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
Dibenzofuran	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
Azobenzene	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		---
Benzoic acid	340 U	370 U	340 U	350 U	340 U	350 U	340 U	450 U		31000000
Total Carcinogenic PAHs	0	0	0	0	46	0	0	0		10000
Total PAHs	0	0	38	0	46	0	0	0		100000
Total Conc. SVOC (s)	130	89	38	111	125	50	ND	120		500000

**Qualifiers**

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

**Notes**

--- Not established

ND: Not detected

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Nine Leaching Pools									Comparison Value for Areas of Concern
Sample ID	E7 B06 11-13	E7 B06 19-21	E7 B07 11-13	E7 B07 19-21	E7 B08 11-13	E7 B08 19-21	E7 B10 11-13	E7 B10 19-21		
Sample Depth (ft)	11-13	19-21	11-13	19-21	11-13	19-21	11-13	19-21		
Sampling Date	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00	09/22/00		
Matrix	S	S	S	S	S	S	S	S		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg
Phenol	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		47000000
2-Chlorophenol	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		390000
2-Nitrophenol	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
2,4-Dimethylphenol	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		1600000
2,4-Dichlorophenol	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		230000
4-Chloro-3-methylphenol	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
2,4,6-Trichlorophenol	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		58000
2,4-Dinitrophenol	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		160000
4-Nitrophenol	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
4,6-Dinitro-2-methylphenol	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
Pentachlorophenol	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		3000
bis(2-Chloroethyl)ether	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		600
1,3-Dichlorobenzene	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
1,4-Dichlorobenzene	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		27000
1,2-Dichlorobenzene	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		7000000
N-Nitroso-di-n-propylamine	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		90
Hexachloroethane	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		46000
Nitrobenzene	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		39000
Isophorone	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		670000
bis(2-Chloroethoxy)methane	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
1,2,4-Trichlorobenzene	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		780000
Naphthalene	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		3100000
Hexachlorobutadiene	390 U	420 U	410 U	450 U	340 U	390 U	35 J	380 U		8000
Hexachlorocyclopentadiene	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		550000
2-Chloronaphthalene	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
Dimethylphthalate	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
Acenaphthylene	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
2,6-Dinitrotoluene	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
Acenaphthene	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		900
2,4-Dinitrotoluene	390 U	420 U	410 U	450 U	340 U	390 U	42 J	380 U		4700000
Diethylphthalate	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		900
4-Chlorophenyl-phenylether	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		63000000
Fluorene	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
N-Nitrosodiphenylamine	390 U	420 U	410 U	450 U	340 U	390 U	39 J	380 U		3100000
4-Bromophenyl-phenylether	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		130000
Hexachlorobenzene	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
Phenanthrene	50 J	420 U	410 U	450 U	340 U	390 U	200 J	380 U		400
Anthracene	390 U	420 U	410 U	450 U	340 U	390 U	58 J	380 U		23000000
Di-n-butylphthalate	60 J	66 J	410 U	140 J	270 J	89 J	60 J	49 J		7800000
Fluoranthene	63 J	420 U	410 U	450 U	340 U	390 U	210 J	380 U		3100000
Pyrene	77 J	420 U	410 U	450 U	340 U	390 U	110 J	380 U		2300000
Butylbenzylphthalate	390 U	420 U	410 U	450 U	60 J	390 U	340 U	380 U		16000000
3,3'-Dichlorobenzidine	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		1000
Benzo(a)anthracene	390 U	420 U	410 U	450 U	340 U	390 U	87 J	380 U		900
Chrysene	390 U	420 U	410 U	450 U	340 U	390 U	89 J	380 U		88000
bis(2-Ethylhexyl)phthalate	39 J	420 U	410 U	450 U	62 J	390 U	340 U	380 U		46000
Di-n-octyl phthalate	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		16000000
Benzo(b)fluoranthene	390 U	420 U	410 U	450 U	340 U	390 U	59 J	380 U		900
Benzo(k)fluoranthene	390 U	420 U	410 U	450 U	340 U	390 U	60 J	380 U		9000
Benzo(a)pyrene	390 U	420 U	410 U	450 U	340 U	390 U	70 J	380 U		90
Indeno(1,2,3-cd)pyrene	390 U	420 U	410 U	450 U	340 U	390 U	72 J	380 U		900
Dibenzo(a,h)anthracene	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		90
Benzo(g,h,i)perylene	390 U	420 U	410 U	450 U	340 U	390 U	58 J	380 U		---
2,4,5-Trichlorophenol	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		7800000
2-Methylphenol	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		3900000
3+4-Methylphenols	780 U	830 U	810 U	900 U	870 U	780 U	680 U	760 U		---
Benzyl Alcohol	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
2,2'-oxybis(1-Chloropropane)	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
4-Chloroaniline	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		310000
2-Methylnaphthalene	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
4-Nitroaniline	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
2-Nitroaniline	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
3-Nitroaniline	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
Dibenzofuran	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
Azobenzene	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		---
Benzoic acid	390 U	420 U	410 U	450 U	340 U	390 U	340 U	380 U		31000000
Total Carcinogenic PAHs	0	0	0	0	0	0	437	0		10000
Total PAHs	190	0	0	0	60	0	1189	0		100000
Total Conc. SVOC (s)	289	66	ND	140	392	69	1249	49		500000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

**Notes**

--- Not established

ND Not detected

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Nine Leaching Pools									Comparison Value
Sample ID	E7 B11 11-13	E7 B11 19-21	E7 B12 11-13	E7 B12 19-21	E7 B13 11-13	E7 B13 19-21	E07 B14 9-11	E07 B14 18-20		for Areas
Sample Depth (ft)	11-13	19-21	11-13	19-21	11-13	19-21	9-11	18-20		of Concern
Sampling Date	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00		
Matrix	S	S	S	S	S	S	S	S		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg
Phenol	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		47000000
2-Chlorophenol	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		3900000
2-Nitrophenol	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
2,4-Dimethylphenol	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		18000000
2,4-Dichlorophenol	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		2300000
4-Chloro-3-methylphenol	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
2,4,6-Trichlorophenol	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		58000
2,4-Dinitrophenol	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		1800000
4-Nitrophenol	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
4,6-Dinitro-2-methylphenol	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
Pentachlorophenol	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		3000
bis(2-Chloroethoxy)ether	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		800
1,3-Dichlorobenzene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
1,4-Dichlorobenzene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		27000
1,2-Dichlorobenzene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		70000000
N-Nitroso-di-n-propylamine	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		80
Hexachloroethane	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		48000
Nitrobenzene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		39000
Isochlorone	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		670000
bis(2-Chloroethoxy)methane	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
1,2,4-Trichlorobenzene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		780000
Napthalene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		3100000
Hexachlorobutadiene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		8000
Hexachlorocyclopentadiene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		550000
2-Chloronapthalene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
Dimethylphthalate	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
Acenaphthylene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
2,6-Dinitrotoluene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		800
Acenaphthene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		4700000
2,4-Dinitrotoluene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		800
Diethylphthalate	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		83000000
4-Chlorophenyl-phenylether	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
Fluorene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		3100000
N-Nitrosodiphenylamine	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		130000
4-Bromophenyl-phenylether	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
Hexachlorobenzene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		400
Phenanthrene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
Anthracene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		23000000
Di-n-butylphthalate	38 J	50 J	59 J	40 J	340 U	41 J	42 J	43 J		7800000
Fluoranthene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		3100000
Pyrene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		2300000
Butylbenzylphthalate	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		16000000
3,3'-Dichlorobenzidine	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		1000
Benzo(a)anthracene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		900
Chrysene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		88000
bis(2-Ethylhexyl)phthalate	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		46000
Di-n-octyl phthalate	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		16000000
Benzo(b)fluoranthene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		900
Benzo(k)fluoranthene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		9000
Benzo(a)pyrene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		90
Indeno(1,2,3-cd)pyrene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		900
Dibenzo(a,h)anthracene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		90
Benzo(g,h,i)perylene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
2,4,5-Trichlorophenol	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		7800000
2-Methylphenol	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		39000000
3+4-Methylphenols	680 U	680 U	680 U	680 U	680 U	680 U	670 U	680 U		---
Benzyl Alcohol	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
2,2'-oxybis(1-Chloropropane)	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
4-Chloroaniline	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		3100000
2-Methylnaphthalene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
4-Nitroaniline	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
2-Nitroaniline	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
3-Nitroaniline	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
Dibenzofuran	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
Azobenzene	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		---
Benzoic acid	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 U		31000000
Total Carcinogenic PAHs	0	0	0	0	0	0	0	0		10000
Total PAHs	0	0	0	0	0	0	0	0		100000
Total Conc. SVOC (g)	36	50	59	40	ND	41	42	43		500000

**Qualifiers**

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

**Notes**

--- Not established

ND: Not detected

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXISTING AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Former Leaching Field with Twenty Leaching Pools									
Sample Location	E8 B01 6-8'	E8 B01 14-16'	E8 B02 6-8'	E8 B02 14-16'	E8 B03 8-10'	E8 B03 14-16'	E8 B04 10-12'	E8 B04 14-16'	Companion Value for Areas of Concern
Sample ID	6-8	14-16	6-8	14-16	8-10	14-16	10-12	14-16	
Sample Depth (ft)	10/03/00	10/03/00	10/03/00	10/03/00	10/03/00	10/03/00	10/04/00	10/04/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	47000000
2-Chlorophenol	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	390000
2-Nitrophenol	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
2,4-Dimethylphenol	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	1800000
2,4-Dichlorophenol	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	230000
4-Chloro-3-methylphenol	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
2,4,6-Trichlorophenol	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	58000
2,4-Dinitrophenol	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	160000
4-Nitrophenol	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
4,6-Dinitro-2-methylphenol	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
Pentachlorophenol	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	3000
bis(2-Chloroethyl)ether	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	600
1,3-Dichlorobenzene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
1,4-Dichlorobenzene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	27000
1,2-Dichlorobenzene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	7000000
N-Nitroso-d-n-propylamine	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	90
Hexachloroethane	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	46000
Nitrobenzene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	39000
Isophorone	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	670000
bis(2-Chloroethoxy)methane	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
1,2,4-Trichlorobenzene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	780000
Naphthalene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	3100000
Hexachlorobutadiene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	8000
Hexachlorocyclopentadiene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	550000
2-Chloronaphthalene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
Dimethylphthalate	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
Acenaphthylene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
2,6-Dinitrotoluene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	900
Acenaphthene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	4700000
2,4-Dinitrotoluene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	900
Diethylphthalate	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	63000000
4-Chlorophenyl-phenylether	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
Fluorene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	3100000
N-Nitrosodiphenylamine	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	130000
4-Bromophenyl-phenylether	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
Hexachlorobenzene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	400
Phenanthrene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
Anthracene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	23000000
Di-n-butylphthalate	93 J	340 U	400 U	48 J	340 U	340 U	140 J	120 J	7800000
Fluoranthene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	3100000
Pyrene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	2300000
Butylbenzylphthalate	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	16000000
3,3'-Dichlorobenzidine	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	1000
Benzo(a)anthracene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	900
Chrysene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	88000
bis(2-Ethylhexyl)phthalate	400 U	340 U	81 J	340 U	340 U	340 U	57 J	340 U	46000
Di-n-octyl phthalate	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	16000000
Benzo(b)fluoranthene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	900
Benzo(k)fluoranthene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	9000
Benzo(a)pyrene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	90
Indeno(1,2,3-cd)pyrene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	900
Dibenzo(a,h)anthracene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	90
Benzo(g,h,i)perylene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
2,4,5-Trichlorophenol	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	7800000
2-Methylphenol	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	3900000
3+4-Methylphenols	800 U	690 U	790 U	690 U	680 U	690 U	690 U	680 U	---
Benzyl Alcohol	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
2,2'-oxybis(1-Chloropropane)	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
4-Chloroaniline	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	310000
2-Methylnaphthalene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
4-Nitroaniline	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
2-Nitroaniline	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
3-Nitroaniline	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
Dibenzofuran	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
Azobenzene	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	---
Benzoic acid	400 U	340 U	400 U	340 U	340 U	340 U	340 U	340 U	310000000
Total Carcinogenic PAHs	0	0	0	0	0	0	0	0	10000
Total PAHs	0	0	0	0	0	0	0	0	100000
Total Conc. SVOC (s)	93	ND	61	46	ND	ND	197	120	500000

**Qualifiers**

U The compound was not detected at the indicated concentration

J Data indicate the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

**Notes**

--- Not established

ND Not detected

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Leaching Field with Twenty Leaching Pools								Comparison Value
Sample ID	E8 B05 14-18	E8 B05 22-24	E8 B06 8-10	E8 B06 14-18	E8 B07 8-10	E8 B07 14-18	E08 B08 10-12	E08 B08 20-22	for Areas
Sample Depth (ft)	14-18	22-24	8-10	14-18	8-10	14-18	10-12	20-22	of Concern
Sampling Date	10/04/00	10/04/00	10/04/00	10/04/00	10/05/00	10/05/00	10/05/00	10/05/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	47000000
2-Chlorophenol	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	3900000
2-Nitrophenol	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
2,4-Dimethylphenol	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	1600000
2,4-Dichlorophenol	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	2300000
4-Chloro-3-methylphenol	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
2,4,6-Trichlorophenol	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	58000
2,4-Dinitrophenol	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	1600000
4-Nitrophenol	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
4,6-Dinitro-2-methylphenol	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
Pentachlorophenol	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
bis(2-Chloroethoxy)ether	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	3000
1,3-Dichlorobenzene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	600
1,4-Dichlorobenzene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
1,2-Dichlorobenzene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	27000
N-Nitroso-di-n-propylamine	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	7000000
Hexachloroethane	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	90
Nitrobenzene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	46000
Isophorone	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	39000
bis(2-Chloroethoxy)methane	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	670000
1,2,4-Trichlorobenzene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
Naphthalene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	780000
Hexachlorobutadiene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	3100000
Hexachlorocyclopentadiene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	8000
2-Chloronaphthalene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	550000
Dimethylphthalate	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
Acenaphthylene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
2,6-Dinitrotoluene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	900
Acenaphthene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	4700000
2,4-Dinitrotoluene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	900
Diethylphthalate	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	63000000
4-Chlorophenyl-phenylether	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
Fluorene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	3100000
N-Nitrosodiphenylamine	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	130000
4-Bromophenyl-phenylether	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
Hexachlorobenzene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	400
Phenanthrene	340 U	340 U	340 U	340 U	340 U	370 U	55 J	340 U	---
Anthracene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	23000000
Di-n-butylphthalate	150 J	35 J	61 J	54 J	120 J	110 J	120 J	95 J	7800000
Fluoranthene	340 U	340 U	340 U	340 U	340 U	370 U	65 J	340 U	3100000
Pyrene	340 U	340 U	340 U	340 U	340 U	370 U	57 J	340 U	2300000
Butylbenzylphthalate	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	16000000
3,3'-Dichlorobenzidine	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	1000
Benzo(a)anthracene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	900
Chrysene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	86000
bis(2-Ethylhexyl)phthalate	35 J	340 U	39 J	46 J	44 J	370 U	350 U	340 U	46000
Di-n-octyl phthalate	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	16000000
Benzo(b)fluoranthene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	900
Benzo(k)fluoranthene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	9000
Benzo(a)pyrene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	90
Indeno(1,2,3-cd)pyrene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	900
Dibenzo(a,h)anthracene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	90
Benzo(g,h,i)perylene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
2,4,5-Trichlorophenol	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	7800000
2-Methylphenol	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	3900000
3+4-Methylphenols	670 U	690 U	680 U	680 U	690 U	750 U	690 U	680 U	---
Benzyl Alcohol	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
2,2'-oxybis(1-Chloropropane)	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
4-Chloroaniline	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	310000
2-Methylnaphthalene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
4-Nitroaniline	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
2-Nitroaniline	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
3-Nitroaniline	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
Dibenzofuran	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
Azobenzene	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	---
Benzoic acid	340 U	340 U	340 U	340 U	340 U	370 U	350 U	340 U	31000000
Total Carcinogenic PAHs	0	0	0	0	0	0	0	0	10000
Total PAHs	0	0	0	0	0	0	177	0	100000
Total Conc. SVOC (s)	185	35	100	100	164	110	297	95	500000

**Qualifiers**

U: The compound was not detected at the indicated concentration.

J: Date indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

**Notes**

--- Not established



Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - ESTIMATED AREAS OF CONCERN  
SEMI-VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Leaching Field with Twenty Leaching Pools								Comparison Value for Areas of Concern
	E08 B09 10-12	E08 B09 20-22	E08 B10 8-10	E08 B10 16-18	E08 B11 6-8	E08 B11 14-16	E08 B12 12-14	E08 B12 18-20	
Sample ID	10-12	20-22	8-10	16-18	6-8	14-16	12-14	18-20	
Sampling Date	10/05/00	10/05/00	10/05/00	10/05/00	10/05/00	10/05/00	10/05/00	10/05/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	47000000
2-Chlorophenol	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	390000
2-Nitrophenol	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
2,4-Dimethylphenol	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	1600000
2,4-Dichlorophenol	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	230000
4-Chloro-3-methylphenol	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
2,4,8-Trichlorophenol	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	58000
2,4-Dinitrophenol	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	160000
4-Nitrophenol	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
4,6-Dinitro-2-methylphenol	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
Pentachlorophenol	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	3000
bis(2-Chloroethyl)ether	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	600
1,3-Dichlorobenzene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
1,4-Dichlorobenzene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	27000
1,2-Dichlorobenzene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	7000000
N-Nitroso-di-n-propylamine	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	90
Hexachloroethane	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	46000
Nitrobenzene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	39000
Isophorone	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	670000
bis(2-Chloroethoxy)methane	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
1,2,4-Trichlorobenzene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	780000
Naphthalene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	3100000
Hexachlorobutadiene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	8000
Hexachlorocyclopentadiene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	550000
2-Chloronaphthalene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
Dimethylphthalate	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
Acenaphthylene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
2,6-Dinitrotoluene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	900
Acenaphthene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	4700000
2,4-Dinitrotoluene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	900
Diethylphthalate	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	6300000
4-Chlorophenyl-phenylether	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
Fluorene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	3100000
N-Nitrosodiphenylamine	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	130000
4-Bromophenyl-phenylether	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
Hexachlorobenzene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	400
Phenanthrene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
Anthracene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	2300000
Di-n-butylphthalate	340 U	110 J	90 J	370 U	71 J	71 J	68 J	340 J	7800000
Fluoranthene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	3100000
Pyrene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	2300000
Butylbenzylphthalate	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	1600000
3,3'-Dichlorobenzidine	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	1000
Benzo(a)anthracene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	900
Chrysene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	88000
bis(2-Ethylhexyl)phthalate	340 U	340 U	400 U	370 U	340 U	36 J	390 U	380 U	46000
Di-n-octyl phthalate	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	1600000
Benzo(b)fluoranthene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	900
Benzo(k)fluoranthene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	9000
Benzo(a)pyrene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	90
Indeno(1,2,3-cd)pyrene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	900
Dibenzo(a,h)anthracene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	90
Benzo(g,h,i)perylene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
2,4,5-Trichlorophenol	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	7800000
2-Methylphenol	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	3900000
3+4-Methylphenols	680 U	690 U	790 U	740 U	670 U	690 U	780 U	790 U	---
Benzyl Alcohol	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
2,2'-oxybis(1-Chloropropane)	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
4-Chloroaniline	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	310000
2-Methylnaphthalene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
4-Nitroaniline	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
2-Nitroaniline	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
3-Nitroaniline	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
Dibenzofuran	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
Azobenzene	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	---
Benzoic acid	340 U	340 U	400 U	370 U	340 U	340 U	390 U	380 U	31000000
Total Carcinogenic PAHs	0	0	0	0	0	0	0	0	10000
Total PAHs	0	0	0	0	0	0	0	0	100000
Total Conc. SVOC (s)	ND	110	90	ND	71	107	68	340	500000

**Qualifiers**

U The compound was not detected at the indicated concentration.  
J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

**Notes**

--- Not established  
ND Not detected

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Leaching Field with Twenty Leaching Pools		Former Coal Storage Bin		Seven Former Leaching Pools				Comparison Value for Areas of Concern
	E06B14 8-10	E06B14-18-18	E06 B01 0-2	E06 B01 6-8	E10 B01 13-15	E10 B01 21-23	E10 B02 11-13	E10 B02 19-21	
Sample ID	8-10	18-18	0-2	6-8	13-15	21-23	11-13	19-21	
Sample Depth (ft)	10/11/00	10/11/00	10/02/00	10/02/00	10/12/00	10/12/00	10/12/00	10/12/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	400 U	44 J	390 U	380 U	340 U	350 U	340 U	350 U	47000000
2-Chlorophenol	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	390000
2-Nitrophenol	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
2,4-Dimethylphenol	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	1800000
2,4-Dichlorophenol	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	2300000
4-Chloro-3-methylphenol	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
2,4,6-Trichlorophenol	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
2,4-Dinitrophenol	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	58000
4-Nitrophenol	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	160000
4,6-Dinitro-2-methylphenol	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
Pentachlorophenol	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
bis(2-Chloroethoxy)ether	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	3000
1,3-Dichlorobenzene	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	800
1,4-Dichlorobenzene	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
1,2-Dichlorobenzene	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	27000
N-Nitroso-di-n-propylamine	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	7000000
Hexachloroethane	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	90
Nitrobenzene	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	48000
Isophorone	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	39000
bis(2-Chloroethoxy)methane	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	670000
1,2,4-Trichlorobenzene	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
Naphthalene	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	780000
Hexachlorobutadiene	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	3100000
Hexachlorocyclopentadiene	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	8000
2-Chloronaphthalene	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	550000
Dimethylphthalate	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
Acenaphthylene	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
2,6-Dinitrotoluene	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
Acenaphthene	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	900
2,4-Dinitrotoluene	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	4700000
Diethylphthalate	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	900
4-Chlorophenyl-phenylether	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	63000000
Fluorene	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
N-Nitrosodiphenylamine	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	3100000
4-Bromophenyl-phenylether	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	130000
Hexachlorobenzene	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
Phenanthrene	400 U	350 U	230 J	180 J	340 U	350 U	340 U	350 U	400
Anthracene	400 U	350 U	47 J	42 J	340 U	350 U	340 U	350 U	---
Di-n-butylphthalate	71 J	85 J	47 J	79 J	48 J	72 J	100 J	88 J	23000000
Fluoranthene	400 U	350 U	360 J	230 J	340 U	350 U	340 U	350 U	7800000
Pyrene	400 U	350 U	210 J	140 J	340 U	350 U	340 U	350 U	3100000
Butylbenzylphthalate	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	2300000
3,3'-Dichlorobenzidine	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	16000000
Benzo(a)anthracene	400 U	350 U	130 J	93 J	340 U	350 U	340 U	350 U	1000
Chrysene	400 U	350 U	180 J	110 J	340 U	350 U	340 U	350 U	900
bis(2-Ethylhexyl)phthalate	400 U	58 J	390 U	380 U	340 U	350 U	340 U	84 J	88000
Di-n-octyl phthalate	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	48000
Benzo(b)fluoranthene	400 U	350 U	110 J	83 J	340 U	350 U	340 U	350 U	16000000
Benzo(k)fluoranthene	400 U	350 U	140 J	110 J	340 U	350 U	340 U	350 U	900
Benzo(a)pyrene	400 U	350 U	130 J	88 J	340 U	350 U	340 U	350 U	9000
Indeno(1,2,3-cd)pyrene	400 U	350 U	55 J	45 J	340 U	350 U	340 U	350 U	90
Dibenzo(a,h)anthracene	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	900
Benzo(g,h,i)perylene	400 U	350 U	72 J	62 J	340 U	350 U	340 U	350 U	---
2,4,5-Trichlorophenol	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	7800000
2-Methylphenol	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	3900000
3+4-Methylphenols	800 U	710 U	780 U	770 U	690 U	710 U	690 U	690 U	---
Benzyl Alcohol	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
2,2'-oxybis(1-Chloropropane)	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
4-Chloroaniline	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	310000
2-Methylnaphthalene	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
4-Nitroaniline	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
2-Nitroaniline	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
3-Nitroaniline	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
Dibenzofuran	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
Azobenzene	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
Benzoic acid	400 U	350 U	390 U	380 U	340 U	350 U	340 U	350 U	---
Total Carcinogenic PAHs	0	0	725	637	0	0	0	0	10000
Total PAHs	0	0	1414	1171	0	0	0	0	100000
Total Conc. SVOC (g)	71	185	1691	1250	48	72	100	172	500000

**Qualifiers**

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantification limit but greater than zero.

**Notes**

Result exceeds Comparison Value for Areas of Concern

--- Not established

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXISTING AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Seven Former Leaching pools								Comparison Value for Areas of Concern
Sample ID	E10 B03 12-14	E10 B03 20-22	E10B04 11-13	E10B04 19-21	E10 B05 10-12	E10 B05 16-18	E10 B06 10-12	E10 B06 16-18	
Sample Depth (ft)	12-14	20-22	11-13	19-21	10-12	16-18	10-12	16-18	
Sampling Date	10/02/00	10/02/00	10/11/00	10/11/00	10/02/00	10/02/00	10/02/00	10/02/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	47000000
2-Chlorophenol	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	390000
2-Nitrophenol	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	1600000
2,4-Dimethylphenol	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	230000
2,4-Dichlorophenol	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	58000
4-Chloro-3-methylphenol	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	160000
2,4,6-Trichlorophenol	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
2,4-Dinitrophenol	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
4-Nitrophenol	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	3000
4,6-Dinitro-2-methylphenol	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	600
Pentachlorophenol	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	27000
bis(2-Chloroethyl)ether	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	7000000
1,3-Dichlorobenzene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	90
1,4-Dichlorobenzene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	48000
1,2-Dichlorobenzene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	39000
N-Nitroso-di-n-propylamine	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	670000
Hexachloroethane	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Nitrobenzene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Isophorone	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
bis(2-Chloroethoxy)methane	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
1,2,4-Trichlorobenzene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Naphthalene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Hexachlorobutadiene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Hexachlorocyclopentadiene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
2-Chloronaphthalene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Dimethylphthalate	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Acenaphthylene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
2,6-Dinitrotoluene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Acenaphthene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
2,4-Dinitrotoluene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Diethylphthalate	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
4-Chlorophenyl-phenylether	350 U	350 U	380 U	350 U	780 U	48 J	340 U	390 U	---
Fluorene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
N-Nitrosodiphenylamine	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
4-Bromophenyl-phenylether	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Hexachlorobenzene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Phenanthrene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Anthracene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Di-n-butylphthalate	73 J	37 J	48 J	47 J	380 J	130 J	340 U	390 U	---
Fluoranthene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Pyrene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Butylbenzylphthalate	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
3,3'-Dichlorobenzidine	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Benzo(a)anthracene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Chrysene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
bis(2-Ethylhexyl)phthalate	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Di-n-octyl phthalate	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Benzo(b)fluoranthene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Benzo(k)fluoranthene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Benzo(a)pyrene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Indeno(1,2,3-cd)pyrene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Dibenzo(a,h)anthracene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Benzo(g,h,i)perylene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
2,4,5-Trichlorophenol	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
2-Methylphenol	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
3+4-Methylphenols	690 U	690 U	770 U	690 U	1600 U	700 U	670 U	780 U	---
Benzyl Alcohol	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
2,2'-oxybis(1-Chloropropane)	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
4-Chloroaniline	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
2-Methylnaphthalene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
4-Nitroaniline	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
2-Nitroaniline	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
3-Nitroaniline	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Dibenzofuran	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Azobenzene	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Benzoic acid	350 U	350 U	380 U	350 U	780 U	350 U	340 U	390 U	---
Total Carcinogenic PAHs	0	0	0	0	0	0	0	0	10000
Total PAHs	0	0	0	0	100	0	0	0	100000
Total Conc. SVOC (s)	73	37	48	47	480	178	ND	85	500000

**Qualifiers**

U: The compound was not detected at the indicated concentration  
J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

**Notes**

--- Not established  
ND: Not detected

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Seven Former Leaching Pools		Former Dry Well		Former Drum Storage Area				Comparison Value for Areas of Concern
Sample ID	E10B06 6-10	E10B06 14-16	E12B01 10-12	E12B01 18-20	E13 B01 1-3	E13 B01 3-5	E13 B02 0-2	E13 B02 2-4	
Sample Depth (ft)	6-10	14-16	10-12	18-20	1-3	3-5	0-2	2-4	
Sampling Date	10/11/00	10/11/00	10/11/00	10/11/00	09/25/00	09/25/00	09/25/00	09/25/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	4700000
2-Chlorophenol	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	390000
2-Nitrophenol	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	---
2,4-Dimethylphenol	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	1600000
2,4-Dichlorophenol	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	230000
4-Chloro-3-methylphenol	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	---
2,4,6-Trichlorophenol	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	58000
2,4-Dinitrophenol	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	160000
4-Nitrophenol	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	---
4,6-Dinitro-2-methylphenol	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	---
Pentachlorophenol	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	3000
bis(2-Chloroethoxy)ether	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	600
1,3-Dichlorobenzene	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	---
1,4-Dichlorobenzene	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	27000
1,2-Dichlorobenzene	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	7000000
N-Nitroso-di-n-propylamine	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	90
Hexachloroethane	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	46000
Nitrobenzene	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	39000
Isophorone	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	670000
bis(2-Chloroethoxy)methane	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	---
1,2,4-Trichlorobenzene	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	---
Naphthalene	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	780000
Hexachlorobutadiene	340 U	340 U	370 U	350 U	400 U	350 U	440	79 J	3100000
Hexachlorocyclopentadiene	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	8000
2-Chloronaphthalene	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	550000
Dimethylphthalate	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	---
Acanaphthylene	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	---
2,6-Dinitrotoluene	340 U	340 U	370 U	350 U	400 U	350 U	41 J	380 U	---
Acanaphthane	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	900
2,4-Dinitrotoluene	340 U	340 U	370 U	350 U	400 U	350 U	1800	390	4700000
Diethylphthalate	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	900
4-Chlorophenyl-phenylether	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	63000000
Fluorene	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	---
N-Nitrosodiphenylamine	340 U	340 U	370 U	350 U	400 U	350 U	1700	350 J	3100000
4-Bromophenyl-phenylether	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	130000
Hexachlorobenzene	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	---
Phenanthrene	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	400
Anthracene	37 J	340 U	370 U	350 U	400 U	350 U	7200	2000	---
Di-n-butylphthalate	340 U	45 J	58 J	52 J	50 J	78 J	2200	490	23000000
Fluoranthene	340 U	340 U	370 U	350 U	400 U	350 U	58 J	110 J	7800000
Pyrene	48 J	340 U	370 U	350 U	400 U	350 U	7600	2200	3100000
Butylbenzylphthalate	340 U	340 U	370 U	350 U	400 U	350 U	7300	1600	2300000
3,3'-Dichlorobenzidine	340 U	340 U	370 U	350 U	400 U	350 U	1100	190 J	16000000
Benzo(a)anthracene	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	1000
Chrysene	340 U	340 U	370 U	350 U	400 U	350 U	6700	1300	900
bis(2-Ethylhexyl)phthalate	340 U	340 U	370 U	350 U	400 U	350 U	6100	1400	88000
Di-n-octyl phthalate	340 U	340 U	370 U	350 U	400 U	350 U	1100	150 J	46000
Benzo(b)fluoranthene	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	16000000
Benzo(k)fluoranthene	340 U	340 U	370 U	350 U	400 U	350 U	7800	1300	900
Benzo(a)pyrene	37 J	340 U	370 U	350 U	400 U	350 U	3900	1000	9000
Indeno(1,2,3-cd)pyrene	340 U	340 U	370 U	350 U	400 U	350 U	6200	1100	90
Dibenzo(a,h)anthracene	340 U	340 U	370 U	350 U	400 U	350 U	800	340 J	900
Benzo(g,h,i)perylene	340 U	340 U	370 U	350 U	400 U	350 U	420	110 J	90
2,4,5-Trichlorophenol	340 U	340 U	370 U	350 U	400 U	350 U	1300	380	---
2-Methylphenol	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	7800000
3+4-Methylphenols	600 U	600 U	740 U	600 U	790 U	700 U	770 U	760 U	3900000
Benzyl Alcohol	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	---
2,2'-oxybis(1-Chloropropane)	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	---
4-Chloroaniline	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	310000
2-Methylnaphthalene	340 U	340 U	370 U	350 U	400 U	350 U	360 J	66 J	---
4-Nitroaniline	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	---
2-Nitroaniline	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	---
3-Nitroaniline	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	---
Dibenzofuran	340 U	340 U	370 U	350 U	400 U	350 U	790	150 J	---
Azobenzene	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	---
Benzoic acid	340 U	340 U	370 U	350 U	400 U	350 U	380 U	380 U	31000000
Total Carcinogenic PAHs	37	0	0	0	0	0	36430	6450	10000
Total PAHs	122	0	0	0	0	0	61851	14155	100000
Total Conc. SVOC (g)	122	45	56	52	50	76	63909	14605	500000

**Qualifiers**

U: The compound was not detected at the indicated concentration

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

**Notes**

Result exceeds Comparison Value for Areas of Concern  
--- Not established

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXISTING AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Drum Storage Area								Comparison Value for Areas of Concern
Sample ID	E13B02N5 0-2	E13B02N5 2-4	E13B02S5 0-2	E13B02S5 2-4	E13B02W8 0-2	E13B02W8 2-4	E13B02E8 0-2	E13B02E8 2-4	
Sample Depth (ft)	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	
Sampling Date	12/27/00	12/27/00	12/27/00	12/27/00	12/27/00	12/27/00	12/27/00	12/27/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	4700000
2-Chlorophenol	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	390000
2-Nitrophenol	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
2,4-Dimethylphenol	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	1600000
2,4-Dichlorophenol	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	230000
4-Chloro-3-methylphenol	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
2,4,6-Trichlorophenol	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	58000
2,4-Dinitrophenol	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	160000
4-Nitrophenol	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
4,6-Dinitro-2-methylphenol	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
Pentachlorophenol	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	3000
bis(2-Chloroethyl)ether	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	600
1,3-Dichlorobenzene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
1,4-Dichlorobenzene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	27000
1,2-Dichlorobenzene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	7000000
N-Nitroso-di-n-propylamine	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	90
Hexachloroethane	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	48000
Nitrobenzene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	39000
Isophorone	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	670000
bis(2-Chloroethoxy)methane	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
1,2,4-Trichlorobenzene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	780000
Naphthalene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	3100000
Hexachlorobutadiene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	8000
Hexachlorocyclopentadiene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	550000
2-Chloronaphthalene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
Dimethylphthalate	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
Acenaphthylene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
2,5-Dinitrotoluene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	900
Acenaphthene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	4700000
2,4-Dinitrotoluene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	900
Diethylphthalate	380 U	110 J	350 U	340 U	350 U	350 U	420 U	350 U	63000000
4-Chlorophenyl-phenylether	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
Fluorene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	3100000
N-Nitrosodiphenylamine	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	130000
4-Bromophenyl-phenylether	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
Hexachlorobenzene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	400
Phenanthrene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
Anthracene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	23000000
Di-n-butylphthalate	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	7800000
Fluoranthene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	3100000
Pyrene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	2300000
Butylbenzylphthalate	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	16000000
3,3'-Dichlorobenzidine	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	1000
Benzo(a)anthracene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	900
Chrysene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	88000
bis(2-Ethylhexyl)phthalate	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	46000
Di-n-octyl phthalate	380 U	370 U	350 U	340 U	350 U	350 U	43 J	350 U	16000000
Benzo(b)fluoranthene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	900
Benzo(k)fluoranthene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	9000
Benzo(a)pyrene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	90
Indeno(1,2,3-cd)pyrene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	900
Dibenzo(a,h)anthracene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	90
Benzo(g,h,i)perylene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
2,4,5-Trichlorophenol	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	7800000
2-Methylphenol	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	3900000
3+4-Methylphenols	770 U	730 U	690 U	690 U	690 U	700 U	830 U	690 U	---
Benzyl Alcohol	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
2,2'-oxybis(1-Chloropropane)	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
4-Chloroaniline	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	310000
2-Methylnaphthalene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
4-Nitroaniline	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
2-Nitroaniline	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
3-Nitroaniline	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
Dibenzofuran	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
Azobenzene	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	---
Benzoic acid	380 U	370 U	350 U	340 U	350 U	350 U	420 U	350 U	31000000
Total Carcinogenic PAHs	ND	ND	ND	ND	ND	ND	ND	ND	10000
Total PAHs	ND	ND	ND	ND	ND	ND	ND	ND	100000
Total Conc. SVOC (s)	ND	110	ND	ND	ND	ND	43	ND	500000

**Qualifiers**

U The compound was not detected at the indicated concentration

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

**Notes**

--- Not established

ND, Not detected

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Drum Storage Area								Comparison Value for Areas of Concern
Sample ID	E13B02NE10 0-2	E13B02NE10 2-4	E13B02W12 0-2	E13B02W12 2-4	E13B02E12 0-2	E13B02E12 2-4	E13B02NE20 0-2	E13B02NE20 2-4	
Sample Depth (ft)	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	
Sampling Date	12/27/00	12/27/00	12/27/00	12/27/00	12/27/00	12/27/00	12/27/00	12/27/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	370 U	350 U	350 U	350 U	420 U	340 U	360 U	360 U	47000000
2-Chlorophenol	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	390000
2-Nitrophenol	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
2,4-Dimethylphenol	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	1600000
2,4-Dichlorophenol	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	230000
4-Chloro-3-methylphenol	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
2,4,6-Trichlorophenol	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	58000
2,4-Dinitrophenol	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	160000
4-Nitrophenol	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
4,6-Dinitro-2-methylphenol	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
Pentachlorophenol	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
bis(2-Chloroethoxy)ether	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	3000
1,3-Dichlorobenzene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	600
1,4-Dichlorobenzene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
1,2-Dichlorobenzene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	27000
N-Nitroso-di-n-propylamine	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	7000000
Hexachloroethane	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	90
Nitrobenzene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	46000
Isophorone	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	39000
bis(2-Chloroethoxy)methane	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	670000
1,2,4-Trichlorobenzene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
Naphthalene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	780000
Hexachlorobutadiene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	3100000
Hexachlorocyclopentadiene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	8000
2-Chloronaphthalene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	550000
Dimethylphthalate	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
Acenaphthylene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
2,6-Dinitrotoluene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
Acenaphthene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	900
2,4-Dinitrotoluene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	4700000
Diethylphthalate	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	900
4-Chlorophenyl-phenylether	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	63000000
Fluorene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
N-Nitrosodiphenylamine	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	3100000
4-Bromophenyl-phenylether	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	130000
Hexachlorobenzene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
Phenanthrene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	400
Anthracene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
Di-n-butylphthalate	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	23000000
Fluoranthene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	7800000
Pyrene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	3100000
Butylbenzylphthalate	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	2300000
3,3'-Dichlorobenzidine	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	16000000
Benzo(a)anthracene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	1000
Chrysene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	900
bis(2-Ethylhexyl)phthalate	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	88000
Di-n-octyl phthalate	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	46000
Benzo(b)fluoranthene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	16000000
Benzo(k)fluoranthene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	900
Benzo(a)pyrene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	9000
Indeno(1,2,3-cd)pyrene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	90
Dibenzo(a,h)anthracene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	900
Benzo(g,h,i)perylene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	90
2,4,5-Trichlorophenol	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
2-Methylphenol	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	7800000
3+4-Methylphenols	730 U	760 U	710 U	690 U	840 U	690 U	720 U	720 U	3900000
Benzyl Alcohol	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
2,2'-oxybis(1-Chloropropane)	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
4-Chloroaniline	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	310000
2-Methylnaphthalene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
4-Nitroaniline	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
2-Nitroaniline	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
3-Nitroaniline	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
Dibenzofuran	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
Azobenzene	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	---
Benzoic acid	370 U	380 U	350 U	350 U	420 U	340 U	360 U	360 U	31000000
Total Carcinogenic PAHs	ND	ND	ND	ND	ND	ND	ND	ND	10000
Total PAHs	ND	ND	ND	ND	ND	ND	ND	ND	100000
Total Conc. SVOC (g)	ND	ND	ND	ND	ND	ND	ND	ND	500000

**Qualifiers**

U The compound was not detected at the indicated concentration.

**Notes**

--- Not established

ND Not detected

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXISTING AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Existing On-site Recharge Basin				Former On-site Recharge Basin		Unidentified Pit		Comparison Value for Areas of Concern
Sample ID	E18 B01 0-2	E18 B01 2-4	E18 B02 0-2	E18 B02 2-4	E19B01 8-10'	E19B01 18-20'	E20 B01 2-4'	E20 B01 4-6'	
Sample Depth (ft)	0-2	2-4	0-2	2-4	8-10	18-20	2-4	4-6	
Sampling Date	10/05/00	10/05/00	10/05/00	10/05/00	10/09/00	10/09/00	09/28/00	09/28/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	47000000
2-Chlorophenol	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	3900000
2-Nitrophenol	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
2,4-Dimethylphenol	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	1800000
2,4-Dichlorophenol	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	2300000
4-Chloro-3-methylphenol	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
2,4,6-Trichlorophenol	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	58000
2,4-Dinitrophenol	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	1600000
4-Nitrophenol	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
4,6-Dinitro-2-methylphenol	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
Pentachlorophenol	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	3000
bis(2-Chloroethyl)ether	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	600
1,3-Dichlorobenzene	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
1,4-Dichlorobenzene	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	27000
1,2-Dichlorobenzene	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	70000000
N-Nitroso-di-n-propylamine	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	90
Hexachloroethane	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	48000
Nitrobenzene	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	39000
Isophorone	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	670000
bis(2-Chloromethoxy)methane	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
1,2,4-Trichlorobenzene	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	780000
Naphthalene	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	3100000
Hexachlorobutadiene	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	8000
Hexachlorocyclopentadiene	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	550000
2-Chloronaphthalene	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
Dimethylphthalate	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
Acenaphthylene	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
2,6-Dinitrotoluene	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
Acenaphthene	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	900
2,4-Dinitrotoluene	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	4700000
Diethylphthalate	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	900
4-Chlorophenyl-phenylether	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	63000000
Fluorene	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
N-Nitrosodiphenylamine	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	3100000
4-Bromophenyl-phenylether	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	130000
Hexachlorobenzene	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
Phenanthrene	340 U	130 J	140 J	390 U	50 J	350 U	350 U	350 U	400
Anthracene	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
Di-n-butylphthalate	65 J	99 J	240 J	85 J	230 J	350 U	86 J	350 U	23000000
Fluoranthene	35 J	220 J	240 J	390 U	84 J	350 U	350 U	50 J	7800000
Pyrene	340 U	170 J	190 J	390 U	62 J	350 U	350 U	350 U	3100000
Butylbenzylphthalate	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	2300000
3,3'-Dichlorobenzidine	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	16000000
Benzo(a)anthracene	340 U	95 J	100 J	390 U	400 U	350 U	350 U	350 U	1000
Chrysene	340 U	140 J	160 J	390 U	52 J	350 U	350 U	350 U	900
bis(2-Ethylhexyl)phthalate	340 U	400 U	38 J	390 U	400 U	350 U	350 U	350 U	88000
Di-n-octyl phthalate	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	48000
Benzo(b)fluoranthene	340 U	140 J	140 J	390 U	400 U	350 U	350 U	350 U	16000000
Benzo(k)fluoranthene	340 U	150 J	150 J	390 U	52 J	350 U	350 U	350 U	900
Benzo(a)pyrene	340 U	120 J	120 J	390 U	400 U	350 U	350 U	350 U	9000
Indeno(1,2,3-cd)pyrene	340 U	400 U	39 J	390 U	400 U	350 U	350 U	350 U	90
Dibenzo(a,h)anthracene	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	900
Benzo(g,h,i)perylene	340 U	54 J	62 J	390 U	400 U	350 U	350 U	350 U	90
2,4,5-Trichlorophenol	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
2-Methylphenol	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	7800000
3+4-Methylphenols	680 U	790 U	690 U	780 U	790 U	690 U	700 U	700 U	3900000
Benzyl Alcohol	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
2,2'-oxybis(1-Chloropropane)	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
4-Chloroaniline	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	310000
2-Methylnaphthalene	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
4-Nitroaniline	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
2-Nitroaniline	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
3-Nitroaniline	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
Dibenzofuran	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
Azobenzene	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	---
Benzoic acid	340 U	400 U	350 U	390 U	400 U	350 U	350 U	350 U	31000000
Total Carcinogenic PAHs	0	645	670	0	104	0	0	0	10000
Total PAHs	0	1219	1302	0	250	0	66	0	100000
Total Conc. SVOC (s)	100	1318	1619	85	530	ND	66	50	500000

**Qualifiers**

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

**Notes**

Result exceeds Comparison Value for Areas of Concern

Not established

ND: Not detected

Table C-8  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former AST and Salvage Area								Comparison Value for Areas of Concern
	E21 B02 0-2	E21 B02 2-4	E21 B03 0-2	E21 B03 2-4	E21 B04 0-2	E21 B04 2-4	E21 B05 0-2	E21 B05 2-4	
Sample ID	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	
Sample Depth (ft)	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	
Sampling Date	09/29/00	09/29/00	09/29/00	09/29/00	09/29/00	09/29/00	09/29/00	09/29/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	47000000
2-Chlorophenol	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	3900000
2-Nitrophenol	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
2,4-Dimethylphenol	370 U	370 U	48 J	390 U	380 U	380 U	380 U	380 U	1600000
2,4-Dichlorophenol	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	2300000
4-Chloro-3-methylphenol	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
2,4,6-Trichlorophenol	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	58000
2,4-Dinitrophenol	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	180000
4-Nitrophenol	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
4,6-Dinitro-2-methylphenol	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
Pentachlorophenol	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	3000
bis(2-Chloroethoxy)ether	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	800
1,3-Dichlorobenzene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
1,4-Dichlorobenzene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	27000
1,2-Dichlorobenzene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	7000000
N-Nitroso-di-n-propylamine	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	90
Hexachloroethane	370 U	370 U	220 J	390 U	380 U	380 U	380 U	380 U	46000
Nitrobenzene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	39000
Isophorone	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	670000
bis(2-Chloroethoxy)methane	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
1,2,4-Trichlorobenzene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	780000
Naphthalene	370 U	370 U	1000	390 U	380 U	380 U	380 U	380 U	3100000
Hexachlorobutadiene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	8000
Hexachlorocyclopentadiene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	550000
2-Chloronaphthalene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
Dimethylphthalate	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
Azobenzene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
2,6-Dinitrotoluene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	900
Azobenzene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	4700000
2,4-Dinitrotoluene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	900
Diethylphthalate	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	63000000
4-Chlorophenyl-phenylether	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
Fluorene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	3100000
N-Nitrosodiphenylamine	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	130000
4-Bromophenyl-phenylether	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
Hexachlorobenzene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	400
Phenanthrene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
Anthracene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	23000000
Di-n-butylphthalate	78 J	52 J	45 J	66 J	58 J	110 J	46 J	57 J	7800000
Fluoranthene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	3100000
Pyrene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	2300000
Butylbenzylphthalate	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	18000000
3,3'-Dichlorobenzidine	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	1000
Benzo(a)anthracene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	900
Chrysene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	88000
bis(2-Ethylhexyl)phthalate	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	48000
Di-n-octyl phthalate	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	18000000
Benzo(b)fluoranthene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	900
Benzo(k)fluoranthene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	9000
Benzo(a)pyrene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	90
Indeno(1,2,3-cd)pyrene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	900
Dibenzo(a,h)anthracene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	90
Benzo(g,h,i)perylene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
2,4,5-Trichlorophenol	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	7800000
2-Methylphenol	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	39000000
3+4-Methylphenols	730 U	730 U	770 U	780 U	750 U	770 U	780 U	780 U	---
Benzyl Alcohol	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
2,2'-oxybis(1-Chloropropane)	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
4-Chloroaniline	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	310000
2-Methylnaphthalene	370 U	370 U	47 J	390 U	380 U	380 U	380 U	380 U	---
4-Nitroaniline	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
2-Nitroaniline	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
3-Nitroaniline	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
Dibenzofuran	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
Azobenzene	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	---
Benzoic acid	370 U	370 U	380 U	390 U	380 U	380 U	380 U	380 U	31000000
Total Carcinogenic PAHs	0	0	0	0	0	0	0	0	10000
Total PAHs	0	0	1047	0	0	0	0	0	100000
Total Conc. SVOC (s)	78	62	1358	66	58	110	46	57	500000

**Qualifiers**

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

**Notes**

--- Not established



Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXISTING AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Maternal Storage Area								Comparison Value for Areas of Concern
Sample ID	E22 B01 0-2	E22 B01 2-4	E22 B02 0-2'	E22 B02 2-4	E22 B03 0-2	E22 B03 2-4	E22 B04 0-2'	E22 B04 2-4'	
Sample Depth (ft)	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	
Sampling Date	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	47000000
2-Chlorophenol	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	390000
2-Nitrophenol	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
2,4-Dimethylphenol	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	1600000
2,4-Dichlorophenol	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	230000
4-Chloro-3-methylphenol	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
2,4,6-Trichlorophenol	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	58000
2,4-Dinitrophenol	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	160000
4-Nitrophenol	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
4,6-Dinitro-2-methylphenol	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
Pentachlorophenol	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	3000
bis(2-Chloroethyl)ether	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	600
1,3-Dichlorobenzene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
1,4-Dichlorobenzene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	27000
1,2-Dichlorobenzene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	7000000
N-Nitroso-di-n-propylamine	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	90
Hexachloroethane	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	46000
Nitrobenzene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	39000
Isophorone	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	670000
bis(2-Chloroethoxy)methane	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
1,2,4-Trichlorobenzene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
Naphthalene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	780000
Hexachlorobutadiene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	3100000
Hexachlorocyclopentadiene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	8000
2-Chloronaphthalene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	550000
Dimethylphthalate	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
Acenaphthylene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
2,6-Dinitrotoluene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
Acenaphthene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	900
2,4-Dinitrotoluene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	4700000
Diethylphthalate	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	900
4-Chlorophenyl-phenylether	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	63000000
Fluorene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
N-Nitrosodiphenylamine	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	3100000
4-Bromophenyl-phenylether	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	130000
Hexachlorobenzene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
Phenanthrene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	400
Anthracene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
Di-n-butylphthalate	58 J	130 J	130 J	88 J	400 U	400 U	460 U	410 U	23000000
Fluoranthene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	7800000
Pyrene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	3100000
Butylbenzylphthalate	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	2300000
3,3'-Dichlorobenzidine	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	16000000
Benzo(a)anthracene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	1000
Chrysene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	900
bis(2-Ethylhexyl)phthalate	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	88000
Di-n-octyl phthalate	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	46000
Benzo(b)fluoranthene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	16000000
Benzo(k)fluoranthene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	900
Benzo(a)pyrene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	9000
Indeno(1,2,3-cd)pyrene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	90
Dibenzo(a,h)anthracene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	900
Benzo(g,h,i)perylene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	90
2,4,5-Trichlorophenol	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
2-Methylphenol	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	7800000
3+4-Methylphenols	720 U	790 U	810 U	800 U	800 U	800 U	910 U	820 U	3900000
Benzyl Alcohol	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
2,2'-oxybis(1-Chloropropane)	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
4-Chloroaniline	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
2-Methylnaphthalene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	310000
4-Nitroaniline	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
2-Nitroaniline	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
3-Nitroaniline	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
Dibenzofuran	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
Azobenzene	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
Benzoic acid	360 U	400 U	410 U	400 U	400 U	400 U	460 U	410 U	—
Total Carcinogenic PAHs	0	0	0	0	0	0	0	0	31000000
Total PAHs	0	0	0	0	0	0	0	0	10000
Total Conc SVOC (s)	58	130	130	88	ND	ND	53	68	100000

**Qualifiers**

U The compound was not detected at the indicated concentration  
J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

**Notes**

— Not established  
ND Not detected

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Concrete Sump Pit		Pump Station "A"		Catch Basins (Vicinity of Pump House/Water Tank)				Comparison Value for Areas of Concern
Sample ID	E25 B01 5-7	E25 B01 7-9	E30 B01 13-15	E30 B01 15-17	E32 B01 6-8	E32 B01 8-10	E32 B02 6-8	E32 B02 8-10	
Sample Depth (ft)	5-7	7-9	13-15	15-17	6-8	8-10	6-8	8-10	
Sampling Date	10/04/00	10/04/00	10/18/00	10/18/00	10/16/00	10/16/00	10/16/00	10/16/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	4700000
2-Chlorophenol	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	390000
2-Nitrophenol	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
2,4-Dimethylphenol	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	1600000
2,4-Dichlorophenol	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	230000
4-Chloro-3-methylphenol	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
2,4,6-Trichlorophenol	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	58000
2,4-Dinitrophenol	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	160000
4-Nitrophenol	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
4,6-Dinitro-2-methylphenol	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
Pentachlorophenol	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	3000
bis(2-Chloroethyl)ether	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	800
1,3-Dichlorobenzene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
1,4-Dichlorobenzene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	27000
1,2-Dichlorobenzene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	7000000
N-Nitroso-di-n-propylamine	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	90
Hexachloroethane	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	46000
Nitrobenzene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	39000
Isophorone	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	670000
bis(2-Chloroethoxy)methane	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
1,2,4-Trichlorobenzene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	780000
Naphthalene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	3100000
Hexachlorobutadiene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	8000
Hexachlorocyclopentadiene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	550000
2-Chloronaphthalene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
Dimethylphthalate	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
Acenaphthylene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
2,6-Dinitrotoluene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
Acenaphthene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	900
2,4-Dinitrotoluene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	4700000
Diethylphthalate	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	900
4-Chlorophenyl-phenylether	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	63000000
Fluorene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
N-Nitrosodiphenylamine	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	3100000
4-Bromophenyl-phenylether	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	130000
Hexachlorobenzene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
Phenanthrene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	400
Anthracene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
Di-n-butylphthalate	40 J	390 U	78 J	57 U	81 J	35 J	52 J	43 J	23000000
Fluoranthene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	7800000
Pyrene	390 U	390 U	400 U	410 J	340 U	350 U	340 U	340 U	3100000
Butylbenzylphthalate	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	2300000
3,3'-Dichlorobenzidine	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	16000000
Benzo(a)anthracene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	1000
Chrysene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	900
bis(2-Ethylhexyl)phthalate	390 U	49 J	320 J	410 U	340 U	350 U	340 U	340 U	88000
Di-n-octyl phthalate	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	46000
Benzo(b)fluoranthene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	16000000
Benzo(k)fluoranthene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	900
Benzo(a)pyrene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	9000
Indeno(1,2,3-cd)pyrene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	90
Dibenzo(a,h)anthracene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	900
Benzo(g,h,i)perylene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	90
2,4,5-Trichlorophenol	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
2-Methylphenol	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	7800000
3+4-Methylphenols	780 U	780 U	780 U	810 U	690 U	690 U	690 U	690 U	3900000
Benzyl Alcohol	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
2,2'-oxybis(1-Chloropropane)	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
4-Chloroaniline	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
2-Methylnaphthalene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	310000
4-Nitroaniline	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
2-Nitroaniline	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
3-Nitroaniline	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
Dibenzofuran	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
Azobenzene	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
Benzoic acid	390 U	390 U	400 U	410 U	340 U	350 U	340 U	340 U	—
Total Carcinogenic PAHs	0	0	0	0	0	0	0	0	310000000
Total PAHs	0	0	0	0	0	0	0	0	10000
Total Conc. SVOC (g)	40	49	399	57	81	35	52	43	100000

**Qualifiers**

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

**Notes**

— Not established

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Tank 1111 (Between Hangars 1 and 2)		Courtyard Between Hangars 1 and 2						Comparison Value for Areas of Concern
Sample ID	E33 B01 1-3'	E33 B01 3-5'	E34 B01 1-3'	E34 B01 3-5'	E34 B02 1-3'	E34 B02 3-5'	E34 B03 0-2'	E34 B03 2-4'	
Sample Depth (ft)	1-3	3-5	1-3	3-5	1-3	3-5	0-2'	2-4'	
Sampling Date	09/28/00	09/28/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	47000000
2-Chlorophenol	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	390000
2-Nitrophenol	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
2,4-Dimethylphenol	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	1800000
2,4-Dichlorophenol	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	2300000
4-Chloro-3-methylphenol	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
2,4,6-Trichlorophenol	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	58000
2,4-Dinitrophenol	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	160000
4-Nitrophenol	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
4,6-Dinitro-2-methylphenol	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
Pentachlorophenol	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
bis(2-Chloroethyl)ether	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	3000
1,3-Dichlorobenzene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	600
1,4-Dichlorobenzene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
1,2-Dichlorobenzene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	27000
N-Nitroso-di-n-propylamine	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	7000000
Hexachloroethane	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	90
Nitrobenzene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	46000
Isophorone	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	39000
bis(2-Chloroethoxy)methane	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	670000
1,2,4-Trichlorobenzene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
Naphthalene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	780000
Hexachlorobutadiene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	3100000
Hexachlorocyclopentadiene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	8000
2-Chloronaphthalene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	550000
Dimethylphthalate	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
Acenaphthylene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
2,6-Dinitrotoluene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	900
Acenaphthene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
2,4-Dinitrotoluene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	4700000
Diethylphthalate	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	900
4-Chlorophenyl-phenylether	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	63000000
Fluorene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
N-Nitrosodiphenylamine	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	3100000
4-Bromophenyl-phenylether	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	130000
Hexachlorobenzene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
Phenanthrene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	400
Anthracene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
Di-n-butylphthalate	66 J	58 J	43 J	340 U	80 J	57 J	370 U	38 J	23000000
Fluoranthene	45 J	370 U	390 U	340 U	340 U	340 U	370 U	340 U	7800000
Pyrene	350 U	370 U	390 U	340 U	42 J	340 U	370 U	340 U	3100000
Butylbenzylphthalate	350 U	370 U	390 U	340 U	36 J	340 U	370 U	340 U	2300000
3,3'-Dichlorobenzidine	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	16000000
Benzo(a)anthracene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	1000
Chrysene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	900
bis(2-Ethylhexyl)phthalate	350 U	370 U	390 U	340 U	61 J	340 U	370 U	340 U	88000
Di-n-octyl phthalate	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	46000
Benzo(b)fluoranthene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	16000000
Benzo(k)fluoranthene	350 U	370 U	390 U	340 U	38 J	340 U	370 U	340 U	900
Benzo(a)pyrene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	9000
Indeno(1,2,3-cd)pyrene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	90
Dibenzo(a,h)anthracene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	900
Benzo(g,h,i)perylene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	90
2,4,5-Trichlorophenol	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
2-Methylphenol	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	7800000
3+4-Methylphenols	710 U	740 U	780 U	690 U	690 U	690 U	730 U	680 U	3900000
Benzyl Alcohol	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
2,2'-oxybis(1-Chloropropane)	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
4-Chloroaniline	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
2-Methylnaphthalene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	310000
4-Nitroaniline	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
2-Nitroaniline	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
3-Nitroaniline	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
Dibenzofuran	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
Azobenzene	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
Benzoic acid	350 U	370 U	390 U	340 U	350 U	340 U	370 U	340 U	---
Total Carcinogenic PAHs	0	0	0	0	38	0	0	0	10000
Total PAHs	45	0	0	0	222	0	0	0	100000
Total Conc. SVOC (s)	111	56	43	ND	319	57	ND	38	500000

**Qualifiers**

U The compound was not detected at the indicated concentration  
J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

**Notes**

--- Not established  
ND Not detected

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Courtyard Between Hangars 1 and 2		Area West of Hangar 1				Former Drainage Swale (N of Maintenance Area)		Comparison Value for Areas of Concern
	E34 B04 0-2'	E34 B04 2-4'	E35 B01 0-2'	E35 B01 2-4'	E35 B02 0-2'	E35 B02 2-4'	E36 B01 1-3'	E36 B01 3-5'	
Sample ID	0-2	2-4	0-2	2-4	0-2	2-4	1-3	3-5	
Sampling Date	09/25/00	09/25/00	10/10/00	10/10/00	10/10/00	10/10/00	09/25/00	09/25/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	340 U	370 U	380 U	370 U	340 U	350 U	100 J	35 J	4700000
2-Chlorophenol	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	390000
2-Nitrophenol	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
2,4-Dimethylphenol	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	1600000
2,4-Dichlorophenol	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	230000
4-Chloro-3-methylphenol	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
2,4,6-Trichlorophenol	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	58000
2,4-Dinitrophenol	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	160000
4-Nitrophenol	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
4,6-Dinitro-2-methylphenol	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
Pentachlorophenol	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	3000
bis(2-Chloroethoxy)ether	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	600
1,3-Dichlorobenzene	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
1,4-Dichlorobenzene	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	27000
1,2-Dichlorobenzene	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	7000000
N-Nitroso-di-n-propylamine	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	90
Hexachloroethane	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	48000
Nitrobenzene	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	39000
Isophorone	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	670000
bis(2-Chloroethoxy)methane	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
1,2,4-Trichlorobenzene	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
Naphthalene	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	780000
Hexachlorobutadiene	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	3100000
Hexachlorocyclopentadiene	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	8000
2-Chloronaphthalene	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	550000
Dimethylphthalate	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
Acenaphthylene	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
2,6-Dinitrotoluene	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
Acenaphthene	340 U	370 U	51 J	370 U	340 U	350 U	370 U	340 U	900
2,4-Dinitrotoluene	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	4700000
Diethylphthalate	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	900
4-Chlorophenyl-phenylether	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	63000000
Fluorene	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
N-Nitrosodiphenylamine	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	3100000
4-Bromophenyl-phenylether	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	130000
Hexachlorobenzene	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
Phenanthrene	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	400
Anthracene	340 U	370 U	82 J	370 U	340 U	350 U	370 U	340 U	—
Di-n-butylphthalate	44 J	45 J	85 J	41 J	340 U	350 U	72 J	340 U	23000000
Fluoranthene	340 U	370 U	570	370 U	340 U	350 U	370 U	340 U	7800000
Pyrene	340 U	370 U	440	370 U	340 U	350 U	370 U	340 U	3100000
Butylbenzylphthalate	340 U	370 U	51 J	370 U	340 U	350 U	56 J	340 U	2300000
3,3'-Dichlorobenzidine	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	16000000
Benzo(a)anthracene	340 U	370 U	270 J	370 U	340 U	350 U	370 U	340 U	1000
Chrysene	340 U	370 U	300 J	370 U	340 U	350 U	370 U	340 U	900
bis(2-Ethylhexyl)phthalate	340 U	370 U	81 J	370 U	340 U	350 U	370 U	340 U	88000
Di-n-octyl phthalate	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	46000
Benzo(b)fluoranthene	340 U	370 U	220 J	370 U	340 U	350 U	370 U	340 U	16000000
Benzo(k)fluoranthene	340 U	370 U	260 J	370 U	340 U	350 U	370 U	340 U	900
Benzo(a)pyrene	340 U	370 U	260 J	370 U	340 U	350 U	370 U	340 U	9000
Indeno(1,2,3-cd)pyrene	340 U	370 U	84 J	370 U	340 U	350 U	370 U	340 U	90
Dibenzo(a,h)anthracene	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	900
Benzo(g,h,i)perylene	340 U	370 U	83 J	370 U	340 U	350 U	370 U	340 U	90
2,4,5-Trichlorophenol	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
2-Methylphenol	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	7800000
3+4-Methylphenols	680 U	750 U	720 U	730 U	690 U	710 U	750 U	690 U	3900000
Benzyl Alcohol	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
2,2'-oxybis(1-Chloropropane)	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
4-Chloroaniline	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
2-Methylnaphthalene	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	310000
4-Nitroaniline	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
2-Nitroaniline	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
3-Nitroaniline	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
Dibenzofuran	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
Azobenzene	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
Benzoic acid	340 U	370 U	360 U	370 U	340 U	350 U	370 U	340 U	—
Total Carcinogenic PAHs	0	0	1314	0	0	0	0	0	10000
Total PAHs	0	0	2968	0	0	0	0	0	100000
Total Conc. SVOC (g)	44	45	3185	41	ND	ND	228	35	500000

#### Qualifiers

U- The compound was not detected at the indicated concentration.

J- Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

#### Notes

Result exceeds Comparison Value for Areas of Concern

— Not established

ND- Not detected

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXISTING AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Drainage Swale (N of Maintenance Area)		Former Discoloration (SE Parking Area)				Boiler Room Exterior Former Dry Well		Comparison Value for Areas of Concern
	E36 B02 1-3'	E38 B02 3-5'	E37 B01 0-2	E37 B01 2-4	E37 B02 0-2	E37 B02 2-4	E38 B01 10-12	E38 B01 20-22	
Sample ID	1-3	3-5	0-2	2-4	0-2	2-4	10-12	20-22	
Sampling Date	09/25/00	09/25/00	09/29/00	09/29/00	09/29/00	09/29/00	10/12/00	10/12/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	350 U	75 J	360 U	360 U	370 U	340 U	390 U	400 U	47000000
2-Chlorophenol	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	390000
2-Nitrophenol	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	---
2,4-Dimethylphenol	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	1800000
2,4-Dichlorophenol	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	230000
4-Chloro-3-methylphenol	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	---
2,4,6-Trichlorophenol	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	58000
2,4-Dinitrophenol	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	160000
4-Nitrophenol	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	---
4,6-Dinitro-2-methylphenol	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	---
Pentachlorophenol	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	3000
bis(2-Chloroethyl)ether	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	600
1,3-Dichlorobenzene	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	---
1,4-Dichlorobenzene	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	27000
1,2-Dichlorobenzene	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	7000000
N-Nitroso-di-n-propylamine	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	90
Hexachloroethane	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	48000
Nitrobenzene	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	39000
Isophorone	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	670000
bis(2-Chloroethoxy)methane	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	---
1,2,4-Trichlorobenzene	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	780000
Naphthalene	350 U	81 J	360 U	360 U	370 U	340 U	390 U	400 U	3100000
Hexachlorobutadiene	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	8000
Hexachlorocyclopentadiene	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	550000
2-Chloronaphthalene	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	---
Dimethylphthalate	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	---
Acenaphthylene	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	---
2,6-Dinitrotoluene	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	900
Acenaphthene	350 U	98 J	360 U	360 U	370 U	340 U	390 U	400 U	4700000
2,4-Dinitrotoluene	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	900
Diethylphthalate	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	63000000
4-Chlorophenyl-phenylether	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	---
Fluorene	350 U	130 J	360 U	360 U	370 U	340 U	390 U	400 U	3100000
N-Nitrosodiphenylamine	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	130000
4-Bromophenyl-phenylether	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	---
Hexachlorobenzene	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	400
Phenanthrene	350 U	860	360 U	360 U	370 U	340 U	390 U	400 U	---
Anthracene	350 U	240 J	360 U	360 U	370 U	340 U	390 U	400 U	23000000
Di-n-butylphthalate	83 J	140 J	68 J	360 U	370 U	340 U	390 U	400 U	7800000
Fluoranthene	350 U	880	360 U	360 U	370 U	340 U	390 U	400 U	3100000
Pyrene	350 U	630	360 U	360 U	370 U	340 U	390 U	400 U	2300000
Butylbenzylphthalate	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	16000000
3,3'-Dichlorobenzidine	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	1000
Benzo(a)anthracene	350 U	450	360 U	360 U	370 U	340 U	390 U	400 U	900
Chrysene	350 U	440	360 U	360 U	370 U	340 U	390 U	400 U	88000
bis(2-Ethylhexyl)phthalate	87 J	350 U	360 U	360 U	370 U	340 U	390 U	400 U	48000
Di-n-octyl phthalate	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	19000000
Benzo(b)fluoranthene	350 U	330 J	360 U	360 U	370 U	340 U	390 U	400 U	900
Benzo(k)fluoranthene	350 U	450	360 U	360 U	370 U	340 U	390 U	400 U	9000
Benzo(a)pyrene	350 U	370	360 U	360 U	370 U	340 U	390 U	400 U	90
Indeno(1,2,3-cd)pyrene	350 U	80 J	360 U	360 U	370 U	340 U	390 U	400 U	900
Dibenzo(a,h)anthracene	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	90
Benzo(g,h,i)perylene	350 U	120 J	360 U	360 U	370 U	340 U	390 U	400 U	---
2,4,5-Trichlorophenol	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	7800000
2-Methylphenol	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	3900000
3+4-Methylphenols	710 U	700 U	720 U	720 U	730 U	690 U	780 U	790 U	---
Benzyl Alcohol	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	---
2,2'-oxybis(1-Chloropropane)	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	---
4-Chloroaniline	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	310000
2-Methylnaphthalene	350 U	38 J	360 U	360 U	370 U	340 U	390 U	400 U	---
4-Nitroaniline	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	---
2-Nitroaniline	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	---
3-Nitroaniline	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	---
Dibenzofuran	350 U	70 J	360 U	360 U	370 U	340 U	390 U	400 U	---
Azobenzene	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	---
Benzoic acid	350 U	350 U	360 U	360 U	370 U	340 U	390 U	400 U	31000000
Total Carcinogenic PAHs	0	2120	0	0	0	0	0	0	10000
Total PAHs	0	5247	0	0	0	0	0	0	100000
Total Conc. SVOC (s)	170	5462	68	ND	ND	ND	ND	88	500000

**Qualifiers**

U The compound was not detected at the indicated concentration.

J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

**Notes**

Result exceeds Comparison Value for Areas of Concern

Not established

ND Not detected

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Dry Well Outside Former Facility Maintenance Area		Dry Well Outside Former Paint Tunnel		Unidentified Pit Outside Boiler Room		Former 2,000 Gal Gas USTs (4) S of Refrig/AC Room		Comparison Value for Areas of Concern
Sample ID	E39 B01 8-10	E39 B01 20-22	E41 B01 8-10	E41 B01 18-20	E42 B01 3-5	E42 B01 5-7	E43 B01 8-8	E43 B01 14-16	
Sample depth (ft)	8-10	20-22	8-10	18-20	3-5	5-7	8-8	14-16	
Sampling Date	10/12/00	10/12/00	10/12/00	10/12/00	10/12/00	10/12/00	10/12/00	10/12/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	47000000
2-Chlorophenol	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	390000
2-Nitrophenol	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
2,4-Dimethylphenol	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	1600000
2,4-Dichlorophenol	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	230000
4-Chloro-3-methylphenol	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
2,4,6-Trichlorophenol	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	58000
2,4-Dinitrophenol	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	160000
4-Nitrophenol	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
4,6-Dinitro-2-methylphenol	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
Pentachlorophenol	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
bis(2-Chloroethoxy)ether	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	3000
1,3-Dichlorobenzene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	600
1,4-Dichlorobenzene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
1,2-Dichlorobenzene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	27000
N-Nitroso-di-n-propylamine	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	7000000
Hexachloroethane	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	90
Nitrobenzene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	46000
Isophorone	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	39000
bis(2-Chloroethoxy)methane	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	670000
1,2,4-Trichlorobenzene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
Naphthalene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	780000
Hexachlorobutadiene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	3100000
Hexachlorocyclopentadiene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	8000
2-Chloronaphthalene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	550000
Dimethylphthalate	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
Acenaphthylene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
2,6-Dinitrotoluene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
Acenaphthene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	900
2,4-Dinitrotoluene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	4700000
Diethylphthalate	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	900
4-Chlorophenyl-phenylether	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	63000000
Fluorene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
N-Nitrosodiphenylamine	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	3100000
4-Bromophenyl-phenylether	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	130000
Hexachlorobenzene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	400
Phenanthrene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
Anthracene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	23000000
Di-n-butylphthalate	340 U	340 U	43 J	100 J	50 J	78 J	87 J	120 J	7800000
Fluoranthene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	3100000
Pyrene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	2300000
Butylbenzylphthalate	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	16000000
3,3'-Dichlorobenzidine	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	1000
Benzo(a)anthracene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	900
Chrysene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	88000
bis(2-Ethylhexyl)phthalate	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	46000
Di-n-octyl phthalate	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	16000000
Benzo(b)fluoranthene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	900
Benzo(k)fluoranthene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	9000
Benzo(a)pyrene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	90
Indeno(1,2,3-cd)pyrene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	900
Dibenzo(a,h)anthracene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	90
Benzo(g,h,i)perylene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
2,4,5-Trichlorophenol	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	7800000
2-Methylphenol	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	3900000
3+4-Methylphenols	680 U	690 U	830 U	690 U	720 U	690 U	830 U	780 U	---
Benzyl Alcohol	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
2,2'-oxybis(1-Chloropropane)	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
4-Chloroaniline	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	310000
2-Methylnaphthalene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
4-Nitroaniline	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
2-Nitroaniline	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
3-Nitroaniline	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
Dibenzofuran	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
Azobenzene	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	---
Benzic acid	340 U	340 U	420 U	340 U	360 U	350 U	420 U	390 U	31000000
Total Carcinogenic PAHs	0	0	0	0	0	0	0	0	10000
Total PAHs	0	0	0	0	0	0	0	0	100000
Total Conc. SVOC (s)	ND	ND	43	100	50	78	87	120	500000

**Qualifiers**

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

**Notes**

--- Not established

ND: Not detected

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Gas Pump House S of Refrig/AC Room		LIPA Pit/Sump			Square Ejector Pit North of Recharge Basin			Comparison Value for Areas of Concern
Sample ID	E44B01 0-2	E44B01 2-4	D14B01 5-7	D14B01 7-9	D14B01 9-11	D15B01 6-8	D15B01 10-12	D15B01 14-16	
Sample Depth (ft)	0-2	2-4	5-7	7-9	9-11	6-8	10-12	14-16	
Sampling Date	10/11/00	10/11/00	01/08/01	01/08/01	01/08/01	04/10/01	04/10/01	04/10/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	47000000
2-Chlorophenol	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	390000
2-Nitrophenol	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
2,4-Dimethylphenol	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	1800000
2,4-Dichlorophenol	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	230000
4-Chloro-3-methylphenol	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
2,4,6-Trichlorophenol	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	58000
2,4-Dinitrophenol	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	180000
4-Nitrophenol	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
4,6-Dinitro-2-methylphenol	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
Pentachlorophenol	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
bis(2-Chloroethyl)ether	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	3000
1,3-Dichlorobenzene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	600
1,4-Dichlorobenzene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
1,2-Dichlorobenzene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	27000
N-Nitroso-di-n-propylamine	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	7000000
Hexachloroethane	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	90
Nitrobenzene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	48000
Isophorone	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	39000
bis(2-Chloroethoxy)methane	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	670000
1,2,4-Trichlorobenzene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
Naphthalene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	780000
Hexachlorobutadiene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	3100000
Hexachlorocyclopentadiene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	8000
2-Chloronaphthalene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	550000
Dimethylphthalate	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
Acenaphthylene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
2,6-Dinitrotoluene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
Acenaphthene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	900
2,4-Dinitrotoluene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	4700000
Diethylphthalate	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	900
4-Chlorophenyl-phenylether	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	63000000
Fluorene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
N-Nitrosodiphenylamine	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	3100000
4-Bromophenyl-phenylether	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	130000
Hexachlorobenzene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
Phenanthrene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	400
Anthracene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
Di-n-butylphthalate	80 J	92 J	130 J	88 J	100 J	350 U	350 U	350 U	23000000
Fluoranthene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	7800000
Pyrene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	3100000
Butylbenzylphthalate	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	2300000
3,3'-Dichlorobenzidine	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	18000000
Benzo(a)anthracene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	1000
Chrysene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	900
bis(2-Ethylhexyl)phthalate	400 U	380 U	41 J	78 J	81 J	350 U	350 U	350 U	88000
Di-n-octyl phthalate	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	46000
Benzo(b)fluoranthene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	16000000
Benzo(k)fluoranthene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	900
Benzo(a)pyrene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	9000
Indeno(1,2,3-cd)pyrene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	90
Dibenzo(a,h)anthracene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	900
Benzo(g,h,i)perylene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	90
2,4,5-Trichlorophenol	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
2-Methylphenol	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	7800000
3+4-Methylphenols	800 U	760 U	730 U	720 U	710 U	710 U	700 U	700 U	3900000
Benzyl Alcohol	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
2,2'-oxybis(1-Chloropropane)	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
4-Chloroaniline	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
2-Methylnaphthalene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	310000
4-Nitroaniline	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
2-Nitroaniline	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
3-Nitroaniline	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
Dibenzofuran	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
Azobenzene	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
Benzoic acid	400 U	380 U	370 U	360 U	350 U	350 U	350 U	350 U	---
Total Carcinogenic PAHs	0	0	ND	ND	ND	ND	ND	ND	10000
Total PAHs	0	0	ND	ND	ND	ND	ND	ND	100000
Total A2185 Conc. SVOC (s)	80	92	171	146	181	ND	ND	ND	500000

**Qualifiers**

U The compound was not detected at the indicated concentration.  
J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

**Notes**

--- Not established

Table C-9  
SUMMARY OF ANALYTICAL RESULTS  
NGC PLANT 1 - EXTERIOR AREAS OF CONCERN  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Square Ejector Pit North of Recharge Basin		Pit in Room Adjacent to South Side of Former Carpentry Shop						Comparison Value for Areas of Concern
Sample ID	D15B01 17-19	D15B01 19-21	D17B01 0-2	D17B01 2-4	D17B01 4-6				
Sample Depth (ft)	17-19	19-21	0-2	2-4	4-6				
Sampling Date	04/10/01	04/10/01	04/10/01	04/10/01	04/10/01				
Matrix	S	S	S	S	S				
Dilution Factor	1.0	1.0	1.0	1.0	1.0				
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg				ug/kg
Phenol	350 U	370 U	340 U	340 U	340 U				47000000
2-Chlorophenol	350 U	370 U	340 U	340 U	340 U				390000
2-Nitrophenol	350 U	370 U	340 U	340 U	340 U				—
2,4-Dimethylphenol	350 U	370 U	340 U	340 U	340 U				1600000
2,4-Dichlorophenol	350 U	370 U	340 U	340 U	340 U				2300000
4-Chloro-3-methylphenol	350 U	370 U	340 U	340 U	340 U				—
2,4,6-Trichlorophenol	350 U	370 U	340 U	340 U	340 U				58000
2,4-Dinitrophenol	350 U	370 U	340 U	340 U	340 U				160000
4-Nitrophenol	350 U	370 U	340 U	340 U	340 U				—
4,6-Dinitro-2-methylphenol	350 U	370 U	340 U	340 U	340 U				—
Pentachlorophenol	350 U	370 U	340 U	340 U	340 U				3000
bis(2-Chloroethyl)ether	350 U	370 U	340 U	340 U	340 U				600
1,3-Dichlorobenzene	350 U	370 U	340 U	340 U	340 U				—
1,4-Dichlorobenzene	350 U	370 U	340 U	340 U	340 U				27000
1,2-Dichlorobenzene	350 U	370 U	340 U	340 U	340 U				7000000
N-Nitroso-di-n-propylamine	350 U	370 U	340 U	340 U	340 U				90
Hexachloroethane	350 U	370 U	340 U	340 U	340 U				46000
Nitrobenzene	350 U	370 U	340 U	340 U	340 U				39000
Isophorone	350 U	370 U	340 U	340 U	340 U				670000
bis(2-Chloroethoxy)methane	350 U	370 U	340 U	340 U	340 U				—
1,2,4-Trichlorobenzene	350 U	370 U	340 U	340 U	340 U				780000
Naphthalene	350 U	370 U	340 U	340 U	340 U				3100000
Hexachlorobutadiene	350 U	370 U	340 U	340 U	340 U				8000
Hexachlorocyclopentadiene	350 U	370 U	340 U	340 U	340 U				550000
2-Chloronaphthalene	350 U	370 U	340 U	340 U	340 U				—
Dimethylphthalate	350 U	370 U	340 U	340 U	340 U				—
Acenaphthylene	350 U	370 U	340 U	340 U	340 U				—
2,6-Dinitrotoluene	350 U	370 U	340 U	340 U	340 U				900
Acenaphthene	350 U	370 U	340 U	340 U	39 J				4700000
2,4-Dinitrotoluene	350 U	370 U	340 U	340 U	340 U				900
Diethylphthalate	350 U	370 U	340 U	340 U	340 U				63000000
4-Chlorophenyl-phenylether	350 U	370 U	340 U	340 U	340 U				—
Fluorene	350 U	370 U	340 U	340 U	48 J				3100000
N-Nitrosodiphenylamine	350 U	370 U	340 U	340 U	340 U				130000
4-Bromophenyl-phenylether	350 U	370 U	340 U	340 U	340 U				—
Hexachlorobenzene	350 U	370 U	340 U	340 U	340 U				400
Phenanthrene	350 U	370 U	41 J	340 U	720				—
Anthracene	350 U	370 U	340 U	340 U	92 J				23000000
Di-n-butylphthalate	350 U	120 J	81 J	45 J	130 J				7800000
Fluoranthene	350 U	370 U	54 J	340 U	980				3100000
Pyrene	350 U	370 U	38 J	340 U	630				2300000
Butylbenzylphthalate	350 U	370 U	340 U	340 U	44 J				16000000
3,3'-Dichlorobenzidine	350 U	370 U	340 U	340 U	340 U				1000
Benzo(a)anthracene	350 U	370 U	340 U	340 U	320 J				900
Chrysene	350 U	370 U	34 J	340 U	540				88000
bis(2-Ethylhexyl)phthalate	350 U	370 U	44 J	340 U	56 J				48000
Di-n-octyl phthalate	350 U	370 U	340 U	340 U	340 U				16000000
Benzo(b)fluoranthene	350 U	370 U	35 J	340 U	590				900
Benzo(k)fluoranthene	350 U	370 U	340 U	340 U	140 J				9000
Benzo(a)pyrene	350 U	370 U	340 U	340 U	180 J				90
Indeno(1,2,3-cd)pyrene	350 U	370 U	340 U	340 U	130 J				900
Dibenzo(a,h)anthracene	350 U	370 U	340 U	340 U	340 U				90
Benzo(g,h,i)perylene	350 U	370 U	340 U	340 U	120 J				—
2,4,5-Trichlorophenol	350 U	370 U	340 U	340 U	340 U				7800000
2-Methylphenol	350 U	370 U	340 U	340 U	340 U				3900000
3+4-Methylphenols	660 U	750 U	670 U	670 U	670 U				—
Benzyl Alcohol	350 U	370 U	340 U	340 U	340 U				—
2,2'-oxybis(1-Chloropropane)	350 U	370 U	340 U	340 U	340 U				—
4-Chloroaniline	350 U	370 U	340 U	340 U	340 U				310000
2-Methylnaphthalene	350 U	370 U	340 U	340 U	340 U				—
4-Nitroaniline	350 U	370 U	340 U	340 U	340 U				—
2-Nitroaniline	350 U	370 U	340 U	340 U	340 U				—
3-Nitroaniline	350 U	370 U	340 U	340 U	340 U				—
Dibenzofuran	350 U	370 U	340 U	340 U	45 J				—
Azobenzene	350 U	370 U	340 U	340 U	340 U				—
Benzotic acid	350 U	370 U	340 U	340 U	340 U				310000000
Total Carcinogenic PAHs	ND	ND	89	ND	1900				10000
Total PAH	ND	ND	202	ND	4509				100000
Total Confident Conc. SVOC (s)	ND	ND	307	45	4786				500000

**Qualifiers**

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero

**Notes**

Result exceeds Comparison Value for Areas of Concern  
— Not established  
ND Not detected



10  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1 - EXTERIOR AREAS OF CONCERN  
PCBs

Sample Location	Former Settling Tanks/Leaching Pools								Comparison Value for Areas of Concern
Sample ID	E1 B01 14-16	E1 B01 20-22	E01B02 12-14'	E01B02 20-22'	E01B03 12-14'	E01B03 20-22'	E01B04 12-14'	E01B04 20-22'	
Sample Depth, ft	14-16	20-22	12-14	20-22	12-14	20-22	12-14	20-22	
Sampling Date	10/17/00	10/17/00	10/09/00	10/09/00	10/09/00	10/09/00	10/09/00	10/09/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	17 U	18 U	20 U	19 U	20 U	19 U	20 U	18 U	*
Aroclor 1221	17 U	18 U	20 U	19 U	20 U	19 U	20 U	18 U	*
Aroclor 1232	17 U	18 U	20 U	19 U	20 U	19 U	20 U	18 U	*
Aroclor 1242	17 U	18 U	20 U	19 U	20 U	19 U	20 U	18 U	*
Aroclor 1248	17 U	18 U	20 U	19 U	37	19 U	20 U	18 U	*
Aroclor 1254	17 U	18 U	20 U	19 U	20 U	19 U	20 U	18 U	*
Aroclor 1260	17 U	18 U	41	19 U	20 U	19 U	20 U	18 U	*

Sample Location	Former Settling Tanks/Leaching Pools								Comparison Value for Areas of Concern
Sample ID	E01B05 5-7'	E01B05 12-14'	E01B05 18-20'	E1B06 12-14	E1B06 20-22	E1B07 12-14	E1B07 20-22	E01 B08 18-20	
Sample Depth, ft	5-7	12-14	18-20	12-14	20-22	12-14	20-22	18-20	
Sampling Date	10/09/00	10/09/00	10/09/00	10/11/00	10/11/00	10/11/00	10/11/00	10/10/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	19 U	21 U	18 U	17 U	17 U	17 U	17 U	17 U	*
Aroclor 1221	19 U	21 U	18 U	17 U	17 U	17 U	17 U	17 U	*
Aroclor 1232	19 U	21 U	18 U	17 U	17 U	17 U	17 U	17 U	*
Aroclor 1242	19 U	21 U	18 U	17 U	17 U	17 U	17 U	17 U	*
Aroclor 1248	210	21 U	18 U	17 U	17 U	17 U	17 U	17 U	*
Aroclor 1254	19 U	21 U	18 U	17 U	17 U	17 U	17 U	17 U	*
Aroclor 1260	19 U	21 U	18 U	17 U	17 U	17 U	17 U	17 U	*

Sample Location	Former Settling Tanks/Leaching Pools								Comparison Value for Areas of Concern
Sample ID	E01 B08 24-28	E01 B09 16-18	E01 B09 24-28	E01 B11 12-14	E01 B11 20-22	E01 B12 12-14	E01 B12 20-22	E01 B13 12-14	
Sample Depth, ft	24-28	16-18	24-28	12-14	20-22	12-14	20-22	12-14	
Sampling Date	10/10/00	10/10/00	10/10/00	10/10/00	10/10/00	10/13/00	10/13/00	10/13/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	18 U	17 U	17 U	20 U	20 U	21 U	35 U	31 U	*
Aroclor 1221	18 U	17 U	17 U	20 U	20 U	21 U	35 U	31 U	*
Aroclor 1232	18 U	17 U	17 U	20 U	20 U	21 U	35 U	31 U	*
Aroclor 1242	18 U	17 U	17 U	20 U	20 U	21 U	35 U	31 U	*
Aroclor 1248	18 U	17 U	17 U	20 U	20 U	21 U	35 U	31 U	*
Aroclor 1254	18 U	17 U	17 U	20 U	20 U	21 U	35 U	31 U	*
Aroclor 1260	18 U	17 U	17 U	20 U	20 U	21 U	35 U	31 U	*

Qualifiers

U - The compound was not detected at the indicated concentration

Notes

\* Comparison Value for PCBs is 10,000 ug/kg in Sub-surface soils

Table C-10  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1 - EXTERIOR AREAS OF CONCERN  
PCBs

Sample Location	Former Settling Tanks/Leaching Pools			Former Heat Treat Drainage Wells				Nine Leaching Pools	Comparison Value for Areas of Concern
	E01 B13 20-22	E01B14 12-14'	E01B14 18-20'	E03 B01 16-18	E03 B01 22-24	E03 B02 14-16	E03 B02 20-22		
Sample ID	20-22	12-14	18-20	16-18	22-24	14-16	20-22	E7 B11 6-7	
Sample Depth, ft	10/13/00	10/09/00	10/09/00	10/10/00	10/10/00	10/10/00	10/10/00	09/25/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	19 U	18 U	17 U	19 U	20 U	20 U	21 U	17 U	*
Aroclor 1221	19 U	18 U	17 U	19 U	20 U	20 U	21 U	17 U	*
Aroclor 1232	19 U	18 U	17 U	19 U	20 U	20 U	21 U	17 U	*
Aroclor 1242	19 U	18 U	17 U	19 U	20 U	20 U	21 U	17 U	*
Aroclor 1248	19 U	18 U	17 U	2000 D	20 U	20 U	21 U	17 U	*
Aroclor 1254	19 U	18 U	17 U	19 U	20 U	20 U	21 U	17 U	*
Aroclor 1260	19 U	18 U	17 U	51	20 U	20 U	21 U	17 U	*

Sample Location	Former Leaching Field with Twenty Leaching Pools	Former Drum Storage Area				Existing On-site Recharge Basin			Comparison Value for Areas of Concern
		E13 B01 1-3'	E13 B01 3-5'	E13 B02 0-2'	E13 B02 2-4'	E16 B01 0-2	E16 B01 2-4	E16 B02 0-2	
Sample ID	E06 B06 6-7	1-3	3-5	0-2	2-4	0-2	2-4	0-2	
Sample Depth, ft	10/05/00	09/25/00	09/25/00	09/25/00	09/25/00	10/05/00	10/05/00	10/05/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	17 U	20 U	16 U	96 U	19 U	17 U	20 U	17 U	*
Aroclor 1221	17 U	20 U	16 U	96 U	19 U	17 U	20 U	17 U	*
Aroclor 1232	17 U	20 U	16 U	96 U	19 U	17 U	20 U	17 U	*
Aroclor 1242	17 U	20 U	16 U	96 U	19 U	17 U	20 U	17 U	*
Aroclor 1248	17 U	20 U	16 U	96 U	17 U	17 U	20 U	17 U	*
Aroclor 1254	17 U	20 U	16 U	700	130	17 U	20 U	17 U	*
Aroclor 1260	17 U	20 U	16 U	96 U	19 U	17 U	20 U	17 U	*

Sample Location	Existing On-site Recharge Basin	Former On-site Recharge Basin		Unidentified Pit		Former AST and Salvage Area			Comparison Value for Areas of Concern
		E19B01 8-10'	E19B01 18-20'	E20 B01 2-4'	E20 B01 4-6'	E21 B02 0-2	E21 B02 2-4	E21 B03 0-2	
Sample ID	E16 B02 2-4	8-10	18-20	2-4	4-6	0-2	2-4	0-2	
Sample Depth, ft	10/05/00	10/09/00	10/09/00	09/28/00	09/28/00	09/29/00	09/29/00	09/29/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	19 U	20 U	17 U	16 U	18 U	16 U	18 U	19 U	*
Aroclor 1221	19 U	20 U	17 U	16 U	18 U	16 U	18 U	19 U	*
Aroclor 1232	19 U	20 U	17 U	16 U	18 U	16 U	18 U	19 U	*
Aroclor 1242	19 U	20 U	17 U	16 U	18 U	16 U	18 U	19 U	*
Aroclor 1248	19 U	340	17 U	16 U	18 U	16 U	18 U	19 U	*
Aroclor 1254	19 U	20 U	17 U	16 U	18 U	16 U	18 U	19 U	*
Aroclor 1260	19 U	37	43	46	18 U	16 U	18 U	19 U	*

Qualifiers

U - The compound was not detected at the indicated concentration.

Notes

\* Comparison Value for PCBs is 10,000 ug/kg in Sub-surface soils

10  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1 - EXTERIOR AREAS OF CONCERN  
PCBs

Sample Location	Former AST and Salvage Area					Material Storage Area			Comparison Value for Areas of Concern
Sample ID	E21 B03 2-4	E21 B04 0-2	E21 B04 2-4	E21 B05 0-2	E21 B05 2-4	E22 B01 0-2	E22 B01 2-4	E22 B02 0-2	
Sample Depth, ft	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	
Sampling Date	09/29/00	09/29/00	09/29/00	09/29/00	09/29/00	09/25/00	09/25/00	09/25/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	20 U	19 U	19 U	19 U	19 U	18 U	20 U	20 U	*
Aroclor 1221	20 U	19 U	19 U	19 U	19 U	18 U	20 U	20 U	*
Aroclor 1232	20 U	19 U	19 U	19 U	19 U	18 U	20 U	20 U	*
Aroclor 1242	20 U	19 U	19 U	19 U	19 U	18 U	20 U	20 U	*
Aroclor 1248	20 U	19 U	19 U	19 U	19 U	18 U	20 U	20 U	*
Aroclor 1254	20 U	19 U	19 U	19 U	19 U	18 U	20 U	20 U	*
Aroclor 1260	20 U	19 U	19 U	19 U	19 U	18 U	20 U	20 U	*

Sample Location	Material Storage Area					Former Concrete Sump Pit		Courtyard Between Hangars 1 and 2	Comparison Value for Areas of Concern
Sample ID	E22 B02 2-4	E22 B03 0-2	E22 B03 2-4	E22 B04 0-2'	E22 B04 2-4'	E25 B01 5-7	E25 B01 7-9	E34 B01 1-3	
Sample Depth, ft	2-4	0-2	2-4	0-2	2-4	5-7	7-9	1-3	
Sampling Date	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	10/04/00	10/04/00	09/25/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	20 U	20 U	20 U	23 U	21 U	20 U	19 U	20 U	*
Aroclor 1221	20 U	20 U	20 U	23 U	21 U	20 U	19 U	20 U	*
Aroclor 1232	20 U	20 U	20 U	23 U	21 U	20 U	19 U	20 U	*
Aroclor 1242	20 U	20 U	20 U	23 U	21 U	20 U	19 U	20 U	*
Aroclor 1248	20 U	20 U	20 U	23 U	21 U	20 U	19 U	20 U	*
Aroclor 1254	20 U	20 U	20 U	23 U	21 U	20 U	19 U	20 U	*
Aroclor 1260	20 U	20 U	20 U	23 U	21 U	20 U	19 U	20 U	*

Sample Location	Courtyard Between Hangars 1 and 2							Area West of Hangar 1	Comparison Value for Areas of Concern
Sample ID	E34 B01 3-5	E34 B02 1-3'	E34 B02 3-5'	E34 B03 0-2'	E34 B03 2-4'	E34 B04 0-2'	E34 B04 2-4'	E35 B01 0-2	
Sample Depth, ft	3-5	1-3	3-5	0-2	2-4	0-2	2-4	0-2	
Sampling Date	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	10/10/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	17 U	17 U	17 U	18 U	17 U	17 U	19 U	18 U	*
Aroclor 1221	17 U	17 U	17 U	18 U	17 U	17 U	19 U	18 U	*
Aroclor 1232	17 U	17 U	17 U	18 U	17 U	17 U	19 U	18 U	*
Aroclor 1242	17 U	17 U	17 U	18 U	17 U	17 U	19 U	18 U	*
Aroclor 1248	17 U	270	17 U	18 U	17 U	17 U	19 U	18 U	*
Aroclor 1254	17 U	17 U	17 U	18 U	17 U	17 U	19 U	18 U	*
Aroclor 1260	17 U	17 U	17 U	18 U	17 U	17 U	19 U	30	*

**Qualifiers**

U - The compound was not detected at the indicated concentration.

**Notes**

\* Comparison Value for PCBs is 10,000 ug/kg in Sub-surface soils

Table C-10  
SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1 - EXTERIOR AREAS OF CONCERN  
PCBs

Sample Location	Area West of Hangar 1			Former Drainage Swale (N of Maintenance Area)				Former Discoloration (SE Parking Area)	Comparison Value for Areas of Concern
Sample ID	E35 B01 2-4	E35 B02 0-2	E35 B02 2-4	E36 B01 1-3	E36 B01 3-5	E36 B02 1-3	E36 B02 3-5	E37 B01 0-2	
Sample Depth, ft	2-4	0-2	2-4	1-3	3-5	1-3	3-5	0-2	
Sampling Date	10/10/00	10/10/00	10/10/00	09/25/00	09/25/00	09/25/00	09/25/00	09/29/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	18 U	17 U	18 U	19 U	17 U	71 U	1800 U	18 U	*
Aroclor 1221	18 U	17 U	18 U	19 U	17 U	71 U	1800 U	18 U	*
Aroclor 1232	18 U	17 U	18 U	19 U	17 U	71 U	1800 U	18 U	*
Aroclor 1242	18 U	17 U	18 U	19 U	17 U	71 U	1800 U	18 U	*
Aroclor 1248	18 U	17 U	18 U	180	17 U	270	1800 U	18 U	*
Aroclor 1254	18 U	17 U	18 U	19 U	17 U	71 U	13000	18 U	*
Aroclor 1260	18 U	17 U	18 U	19 U	17 U	71 U	1800 U	18 U	*

Sample Location	Former Discoloration (SE Parking Area)			Boiler Room Former Exterior Dry Well		Dry Well Outside Former Facility Maintenance area		Dry Well Outside Former Paint Tunnel	Comparison Value for Areas of Concern
Sample ID	E37 B01 2-4	E37 B02 0-2	E37 B02 2-4	E38 B01 10-12	E38 B01 20-22	E39 B01 8-10	E39 B01 20-22	E41 B01 8-10	
Sample Depth, ft	2-4	0-2	2-4	10-12	20-22	8-10	20-22	8-10	
Sampling Date	09/29/00	09/29/00	09/29/00	10/12/00	10/12/00	10/12/00	10/12/00	10/12/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	18 U	18 U	17 U	19 U	20 U	17 U	17 U	21 U	*
Aroclor 1221	18 U	18 U	17 U	19 U	20 U	17 U	17 U	21 U	*
Aroclor 1232	18 U	18 U	17 U	19 U	20 U	17 U	17 U	21 U	*
Aroclor 1242	18 U	18 U	17 U	19 U	20 U	17 U	17 U	21 U	*
Aroclor 1248	18 U	18 U	17 U	19 U	20 U	17 U	17 U	21 U	*
Aroclor 1254	18 U	18 U	17 U	19 U	20 U	17 U	17 U	21 U	*
Aroclor 1260	18 U	18 U	17 U	19 U	20 U	17 U	17 U	21 U	*

Sample Location	Dry Well Outside Former Paint Tunnel	Unidentified Pit Outside Boiler Room						Comparison Value for Areas of Concern
Sample ID	E41 B01 18-20	E42 B01 3-5	E42 B01 5-7					
Sample Depth, ft	18-20	3-5	5-7					
Sampling Date	10/12/00	10/12/00	10/12/00					
Matrix	S	S	S					
Dilution Factor	1.0	1.0	1.0					
Units	ug/kg	ug/kg	ug/kg					ug/kg
Aroclor 1016	17 U	18 U	17 U					*
Aroclor 1221	17 U	18 U	17 U					*
Aroclor 1232	17 U	18 U	17 U					*
Aroclor 1242	17 U	18 U	17 U					*
Aroclor 1248	55	18 U	17 U					*
Aroclor 1254	17 U	18 U	17 U					*
Aroclor 1260	17 U	18 U	17 U					*

**Qualifiers**

U - The compound was not detected at the indicated concentration

**Notes**

\* Comparison Value for PCBs is 10,000 ug/kg in Sub-surface soils

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SUMMARY OF ANALYTICAL RESULTS  
NGC-PLANT 1 - EXTERIOR AREAS OF CONCERN  
GLYCOLS

Sample Location	Material Storage Area								Former Concrete Sump Pit
Sample ID	E22 B02 0-2'	E22 B02 2-4'	E22 B03 0-2'	E22 B03 2-4'	E22 B01 0-2'	E22 B01 2-4'	E22 B04 0-2'	E22 B04 2-4'	E25 B01 5-7'
Sample Depth (ft)	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	5-7
Sampling Date	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	10/4/00
Matrix	S	S	S	S	S	S	S	S	S
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Propylene glycol	12 U	12 U	12 U	12 U	11 U	12 U	14 U	12 U	12 U
Ethylene glycol	12 U	12 U	12 U	12 U	11 U	12 U	14 U	12 U	12 U

Sample Location	Former Concrete Sump Pit	Courtyard Between Hangar 1 and 2							
Sample ID	E25 B01 7-9	E34 B01 1-3	E34 B01 3-5	E34 B02 1-3'	E34 B02 3-5'	E34 B03 0-2'	E34 B03 2-4'	E34 B04 0-2'	E34 B04 2-4'
Sample Depth (ft)	7-9	1-3	3-5	1-3	3-5	0-2	2-4	0-2	2-4
Sampling Date	10/4/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00
Matrix	S	S	S	S	S	S	S	S	S
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Propylene glycol	12 U	12 U	10 U	10 U	10 U	11 U	10 U	10 U	11 U
Ethylene glycol	12 U	12 U	10 U	10 U	10 U	11 U	10 U	10 U	11 U

**Qualifiers**

U The compound was not detected at the indicated concentration

Table C-12  
NGC-PLANT 1 - EXTERIOR  
MONITORING WELL  
RCRA METALS

Sample ID	PLT1MW-01	PLT1MW-02	PLT1MW-03	PLT1MW-04	PLT1GM-14	PIT-INFFTMW
Lab Sample Number	L1896-07	L1896-04	L1896-02	L1896-03	L1896-09	L1951-01
Sampling Date	10/23/00	10/23/00	10/23/00	10/23/00	10/24/00	10/27/00
Matrix	W	W	W	W	W	W
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
METALS						
Arsenic	15.7	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U
Barium	19.2 B	7.1 B	61.9 B	51.6 B	45.8 B	35.9 B
Cadmium	2 U	2 U	2 U	2 U	2 U	2 U
Chromium	36.8	3.7 U	3.7 U	3.7 U	3.8 B	26.5
Lead	9	2.2 U	2.2 U	2.2 U	3.6	2.2 U
Mercury	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	4 U	4 U	4 U	4 U	4 U	4 U
Silver	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U

Qualifiers

- U - The compound was not detected at the indicated concentration.
- J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.
- B - The analyte was found between CRDL and IDL.
- P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
  - \* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- NR - Not analyzed

Table C-1 (continued)  
 NGC-PLANT 1 - EXTERIOR  
 MONITORING WELL  
 DISSOLVED METALS

Sample ID	PLT1MW-01	PLT1GM-14	PIT-INFFTMWD
Lab Sample Number	L1896-07	L1896-09	1951-01
Sampling Date	10/23/00	10/24/00	10/27/00
Matrix	W	W	W
Dilution Factor			1.0
Units	ug/L	ug/L	ug/L
METALS			
Arsenic	3.7 U	3.7 U	5.7 U
Barium	4.6 B	36.9 B	23.9 B
Cadmium	0.4 U	0.4 U	2.8 B
Chromium	9 B	0.5 U	3.7 U
Lead	1.4 U	1.8 B	2.2 U
Mercury	0.2 U	0.2 U	0.2 U
Selenium	3.8 U	3.8 U	4 U
Silver	0.6 U	0.6 U	1.6 U

**Qualifiers**

- U - The compound was not detected at the indicated concentration.
- J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.  
The concentration given is an approximate value.
- B - The analyte was found between CRDL and IDL
- P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%
- \* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- NR - Not analyzed.

Table C-13  
NGC-PLANT 1 - EXTERIOR  
MONITORING WELL  
VOLATILE ORGANIC COMPOUNDS

Sample ID	PLT1MW-01	PLT1MW-02	PLT1MW-03	PLT1MW-04	PIT-INFTMW
Lab Sample Number	L1896-07	L1896-04	L1896-02	L1896-03	L1951-01
Sampling Date	10/23/00	10/23/00	10/23/00	10/23/00	10/27/00
Matrix	W	W	W	W	W
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Chloromethane	5 U	5 U	5 U	5 U	5 U
Bromomethane	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	5 U	5 U	5 U	5 U	5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5 U	5 U	5 U	5 U	4.3 J
Chloroform	5 U	2 J	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U
t-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U
2-Chloroethyl Vinyl Ether	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U
2-Butanone	5 U	5 U	5 U	5 U	5 U
Ethyl Benzene	5 U	5 U	5 U	5 U	5 U
m/p-Xylenes	5 U	5 U	5 U	5 U	5 U
o-Xylene	5 U	5 U	5 U	5 U	5 U
Acetone	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	25 U	25 U	25 U	25 U	25 U
2,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U
Bromochloromethane	5 U	5 U	5 U	5 U	5 U
1,1-Dichloropropene	5 U	5 U	5 U	5 U	5 U
1,3-Dichloropropane	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5 U	5 U	5 U	5 U	5 U
1,2,3-Trichloropropane	5 U	5 U	5 U	5 U	5 U
1,1,1,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U
Bromobenzene	5 U	5 U	5 U	5 U	5 U
n-propylbenzene	5 U	5 U	5 U	5 U	5 U
2-Chlorotoluene	5 U	5 U	5 U	5 U	5 U
1,3,5-Trimethylbenzene	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5 U	5 U	5 U	5 U	5 U
tert-Butylbenzene	5 U	5 U	5 U	5 U	5 U
1,2,4-Trimethylbenzene	5 U	5 U	5 U	5 U	2.1 J
sec-Butylbenzene	5 U	5 U	5 U	5 U	5 U
p-Isopropyltoluene	5 U	5 U	5 U	5 U	5 U
Dibromomethane	5 U	5 U	5 U	5 U	5 U
n-Butylbenzene	5 U	5 U	5 U	5 U	5 U
1,2-Dibromo-3-Chloropropane	5 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene	5 U	5 U	5 U	5 U	5 U
Hexachlorobutadiene	5 U	5 U	5 U	5 U	5 U
Naphthalene	5 U	5 U	5 U	5 U	5 U
1,2,3-Trichlorobenzene	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl Ether	5 U	5 U	5 U	5 U	5 U
Total Conc. VOAs (s)	ND	2	ND	ND	6.4

Qualifiers

U - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

NR - Not analyzed



Table C-14  
NGC-PLANT 1 - EXTERIOR  
MONITORING WELL  
SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID	PLT1MW-01	PLT1MW-02	PLT1MW-03	PLT1MW-04	PIT-INFFTMW
Lab Sample Number	L1896-07	L1896-04	L1896-02	L1896-03	L1951-01
Sampling Date	10/23/00	10/23/00	10/23/00	10/23/00	10/27/00
Matrix	W	W	W	W	W
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Phenol	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	10 U	10 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	1.6 J	10 U	10 U	2.9 J	10 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	1.1 J
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	7.8 J	1.2 J	1.3 J	13	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	2 J
Butylbenzylphthalate	3.3 J	10 U	10 U	3 J	10 U
3,3'-Dichlorobenzidine	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 J	10 U	10 U	1.5 J	1.8 J
Di-n-octyl phthalate	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	10 U	10 U	10 U	10 U	10 U
3+4-Methylphenols	20 U	21 U	20 U	20 U	20 U
Benzyl Alcohol	10 U	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U
Azobenzene	10 U	10 U	10 U	10 U	10 U
Benzoic acid	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	0	0	0	0	0
Total PAHs	0	0	0	0	0
Total Conc. BNAs (s)	14.5	1.2	1.3	20.4	4.9

Qualifiers

- U - The compound was not detected at the indicated concentration
- J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.
- B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- NR - Not analyzed.

Table C-15  
NGC-PLANT 1 - EXTERIOR  
MONITORING WELL  
PCB'S

Sample ID	PLT1MW-01	PLT1MW-02	PLT1MW-03	PLT1MW-04	PLT1GM - 14	PIT-INFFTMW
Lab Sample Number	L1896-07	L1896-04	L1896-02	L1896-03	L1896-09	L1951-01
Sampling Date	10/23/00	10/23/00	10/23/00	10/23/00	10/23/00	10/27/00
Matrix	W	W	W	W	W	W
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor 1016	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor 1221	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor 1232	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor 1242	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor 1248	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor 1254	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor 1260	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Qualifiers

- U - The compound was not detected at the indicated concentration
- J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.
- B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- \* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- NR - Not analyzed.