

# **North Boeing Field and Georgetown Steam Plant**

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## Supplemental Report: Summary of Existing Information and Identification of Data Gaps

Prepared for



Toxics Cleanup Program  
Northwest Regional Office  
Washington State Department of Ecology  
Bellevue, Washington

Prepared by



Science Applications International Corporation  
18912 North Creek Parkway, Suite 101  
Bothell, WA 98011

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## **Volume I. Report, Figures, and Tables**





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## List of Acronyms

2LAET	Second Lowest Apparent Effects Threshold
AFFF	aqueous fire fighting foam
ARFF	Aircraft Rescue and Fire Fighting
AST	aboveground storage tank
BBP	butylbenzylphthalate
BCAG	Boeing Commercial Airplane Group
BEHP	bis(2-ethylhexyl)phthalate
bgs	below ground surface
BMP	best management practice
BTEX	benzene, toluene, ethylbenzene, and xylenes
CDWAA	Central Dangerous Waste Accumulation Area
CIPP	cured-in-place pipe
CLARC	Cleanup Levels and Risk Calculations
cPAH	carcinogenic polynuclear aromatic hydrocarbons
CSCSL	Confirmed and Suspected Contaminated Sites List
CSL	Cleanup Screening Level
DCE	dichloroethene
DW	dry weight
Ecology	Washington State Department of Ecology
EOF	emergency overflow
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
FAA	Federal Aviation Administration
FOG	fats, oil, and grease
GAC	granular activated carbon
GIS	geographic information systems
gpd	gallons per day
gpm	gallons per minute
GPR	ground penetrating radar
GTSP	Georgetown Steam Plant
HCID	hydrocarbon identification
HPAH	high molecular weight polycyclic aromatic hydrocarbon

## List of Acronyms (continued)

HRC	hydrogen releasing compound
KCDDDES	King County Department of Development and Environment Services
KCIA	King County International Airport
KCIW	King County Industrial Waste
LAET	Lowest Apparent Effects Threshold
LDW	Lower Duwamish Waterway
LNAPL	light non-aqueous phase liquid
LPAH	low molecular weight polycyclic aromatic hydrocarbon
LUST	leaking underground storage tank
MCL	Maximum Contaminant Limit
MDNS	Mitigated Determination of Non-Significance
MEK	methyl ethyl ketone
MSL	mean sea level
MTCA	Washington State Model Toxics Control Act
NAPL	non-aqueous phase liquid
NBF	North Boeing Field
NBF-FTC	North Boeing Field Fire Training Center
NCCW	non-contact cooling water
NGVD	National Geodetic Vertical Datum
NHPA	National Historic Preservation Act
NOC	Notice of Construction
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
OC	organic carbon
OWS	oil/water separator
PAH	polycyclic aromatic hydrocarbons
PCB	polychlorinated biphenyls
PCE	tetrachloroethene
PEL	Propulsion Engineering Laboratory
PID	photoionization detector
ppm	parts per million
PRG	Preliminary Remediation Goals
PSCAA	Puget Sound Clean Air Agency

## List of Acronyms (continued)

RCRA	Resource Conservation and Recovery Act
RI/FS	Remedial Investigation/Feasibility Study
SAIC	Science Applications International Corporation
SCAP	Source Control Action Plan
SCL	Seattle City Light
SEPA	State Environmental Policy Act
SMS	Sediment Management Standards
SPCC	Spill Prevention, Control and Countermeasure
SPU	Seattle Public Utilities
sq ft	square feet
SQS	Sediment Quality Standards
SVOC	semi-volatile organic compound
SWPPP	Stormwater Pollution Prevention Plan
TCA	trichloroethane
TCE	trichloroethene
TCLP	Toxic Characteristic Leaching Procedure
TOC	total organic carbon
TPH	total petroleum hydrocarbons
TRI	Toxics Release Inventory
TRPH	total recoverable petroleum hydrocarbons
TSCA	Toxic Substances Control Act
TTO	total toxic organics
UST	underground storage tank
VOC	volatile organic compound
WAC	Washington Administrative Code
WARM	Washington Ranking Method
WDNR	Washington Department of Natural Resources
WPCC	Water Pollution Control Commission
WSDOT	Washington State Department of Transportation

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## 1.0 Introduction

Pursuant to the Model Toxics Control Act (MTCA), the Washington State Department of Ecology (Ecology) has signed Agreed Order DE 5685 with The Boeing Company (Boeing), King County, and the City of Seattle to facilitate remedial action at the North Boeing Field (NBF)/Georgetown Steam Plant (GTSP) site (referred to in this document as the NBF-GTSP Site, or the Site). The Order, effective August 14, 2008, describes the process by which Ecology will conduct a Remedial Investigation/Feasibility Study (RI/FS) and one or more interim actions, if appropriate, at the Site. As part of this effort, Ecology has requested Science Applications International Corporation (SAIC) to prepare this Supplemental Data Gaps Report.

### 1.1 Background

The NBF-GTSP Site is located approximately 4 miles south of downtown Seattle, and is east/northeast of Slip 4 (Figure 1-1). Slip 4 is part of the Lower Duwamish Waterway (LDW) Superfund Site. Polychlorinated biphenyls (PCBs) were found in Slip 4 sediments in the early 1980s. The Municipality of Metropolitan Seattle (Metro, now part of King County) sampled sediment in storm drains discharging to Slip 4, and PCBs were detected in the GTSP Flume immediately downstream from the GTSP and NBF (Ecology 1984). Subsequent investigations found PCBs in numerous storm drains and associated structures that drain from NBF to Slip 4. Additional background information on Slip 4 is provided in the Slip 4 Source Control Action Plan (SCAP) (Ecology 2006).

The NBF-GTSP Site is defined by the extent of contamination caused by the release of hazardous substances, and includes land impacted by industrial practices at the GTSP and NBF properties. The approximate Site boundaries are shown in Figure 1-1. The Site has been the subject of numerous environmental investigations and cleanups beginning in the early 1980s. These investigations and cleanups were summarized in the *North Boeing Field and Georgetown Steam Plant Summary of Existing Information and Identification of Data Gaps*, dated February 2007 (SAIC 2007a). This report is an update to the February 2007 document.

The following documents provide relevant information about the NBF-GTSP Site:

Name of Document	Purpose	Author, Date
Source Control Action Plan for the Slip 4 Early Action Area	Background information on Slip 4 and plans for controlling sources	Ecology (July 2006)
North Boeing Field and Georgetown Steam Plant, Summary of Existing Information and Identification of Data Gaps	Summary of environmental investigations and cleanups beginning in the early 1980s, and identification of remaining data gaps	SAIC (February 2007)
Technical Memorandum: Status of Slip 4 Source Control	Updated information about source control activities associated with the Slip 4 Early Action Area, including activities at NBF and GTSP	SAIC (February 2007)
Lower Duwamish Waterway Source Control Status Reports	Source control status updates for all of the LDW source control areas, including the Slip 4 Early Action Area	Ecology and SAIC (July 2007, May 2008, October 2008)

Name of Document	Purpose	Author, Date
North Boeing Field and Georgetown Steam Plant, Supplemental Report: Summary of Existing Information and Identification of Data Gaps	Updated version of February 2007 Data Gaps Report which includes additional historical data and new information about environmental investigations and source control activities, and identifies remaining data gaps	SAIC (August 2009; this document)

Environmental investigations have indicated releases of PCBs, petroleum hydrocarbons, polycyclic aromatic hydrocarbons (PAHs), and metals (antimony, arsenic, cadmium, chromium, copper, lead, mercury, and zinc) to soil; petroleum hydrocarbons, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and metals (antimony, arsenic, chromium, and lead) to groundwater; and PCBs, PAHs, SVOCs, and metals (arsenic, copper, lead, mercury, and zinc) to storm drains (Ecology 2008b). These contaminants could be transported to Slip 4 sediments via the storm drain system or groundwater flow.

## 1.2 Purpose

Recent investigations have raised concerns about the contribution of contaminants associated with the NBF-GTSP Site to potential recontamination of sediment in Slip 4 following cleanup of the Slip 4 Early Action Area.

The major objective of this report is to document existing environmental conditions at the NBF-GTSP Site based on information available in Ecology Central Records, Washington State Archives, and provided by Boeing, the City of Seattle, and King County. Soil, groundwater, and storm drain solids data have been compared to relevant regulatory criteria, guidelines, and screening levels, as appropriate.

This report also identifies data gaps that need to be filled in order to adequately characterize the site and its potential to recontaminate Slip 4 sediments following cleanup. This report is an update to the 2007 NBF-GTSP Data Gaps Report; as such, it supersedes the previous report. It includes the information presented in the 2007 report as well as the new information identified below.

### 1.2.1 Changes from 2007 Data Gaps Report

The primary focus of the 2007 NBF-GTSP Data Gaps Report (SAIC 2007a) was the potential for recontamination of sediments with PCBs. PCBs are one of the most important contaminants of concern in Slip 4 and continue to be detected in storm drains that discharge to Slip 4. Numerous efforts to remove contaminated solids and prevent contaminated soil from entering the storm drain system have been undertaken, and a notable decline in PCB concentrations has been observed. Other chemicals of concern, such as metals, phthalates, pesticides, and other organics, were discussed in a less comprehensive way in the 2007 report. The current document addresses all chemicals with cleanup levels defined by MTCA.

The 2007 NBF-GTSP Data Gaps Report was based primarily on information available in Ecology's Central Records and Washington State Archives through September 2006. The current

report also includes additional historical information provided by Boeing, the City of Seattle, and King County, and new reports published between October 2006 and February 25, 2009. Approximately 635 documents, including reports, plans, letters, emails, and other information, were reviewed during preparation of the 2007 Data Gaps Report or the current Supplemental Data Gaps Report. These are listed in Appendix A. Historical information (250 documents) that was unavailable at the time the 2007 Data Gaps Report was prepared includes the following:

- Additional information on historical practices at GTSP
- Additional information on historical spills at NBF
- Data from removal of NBF Tank UBF-25 (1989)
- Data from the 1990 Dead Tree Investigation at NBF (1990)
- Data collected prior to demolition of NBF Building 3-301 (1994)
- Information and data from Building 3-333 Pre-Construction Site Assessments (1994), Phase I Construction Interim Remedial Actions (1996), and Phase II Construction Site Assessments (1997)
- Data from sampling conducted during the construction of Building 3-335 (1998)
- Monitoring well installation and sampling at the F&G Facility (1985)
- Soil sampling near tanks BF-4, BF-5, and BF-6 (2006)
- Soil sampling during removal of tanks NBF-28 and NBF-29, Wind Tunnel Area (1985-1986)
- Information and data from a Preconstruction Site Assessment at the Inlet Development Facility, Building 3-353 (1989-1990)
- Soil and groundwater sampling at the Green Hornet Area (1986)
- Information and data from the Concourse A Oil/Water Separator Preconstruction Assessment (1996)
- Sampling activities near former Buildings 3-360 and 3-361 and Building 3-365, including groundwater monitoring well installation and sampling (1995), catch basin repair and remedial excavation (2002), a Supplemental Site Assessment (2002), and additional groundwater monitoring well installation and sampling (2002)
- Additional information on activities at Building 7-027 (formerly the Markov Building), including a remedial excavation and groundwater monitoring (2002)
- Information on investigations and remediation near Building 3-380 (Paint Hangar), including a Pre-Construction Site Assessment (1989 and 1990) and soil remediation (1990)
- Information on the removal of fuel Underground Storage Tanks (USTs) near Building 3-390 (1989-1991)
- Investigations near Building 3-369, including a soil and groundwater assessment (1989) and Pre-Construction Environmental Assessment (1991)
- Investigations near Building 3-800, the Flight Test and Delivery Center, including a UST removal and site assessment (1989), remedial excavation (1989), septic tank removal and

environmental assessment (1990), and groundwater monitoring well installation and repair (1994)

- A supplemental site assessment conducted at the Flight Test Engineering Lab, Building 3-801 (1991-1992)
- Groundwater monitoring well installation and sampling at the Main Fuel Farm (1986 and 1994)
- Installation and sampling of groundwater monitoring wells near Building 3-818 (1993)
- Investigations at Concourse B, including well installation (1993) and the Concourse B Oil/Water Separator Preconstruction Assessment (1996)
- UST removal near Building 3-470 (1989)
- Investigation activities near former Buildings 3-830, 3-831, and 3-832, including UST removal and abandonment (1987 and 1990) and a Pre-Demolition Site Assessment (1997)
- Additional information about sampling conducted at the NBF Fire Training Center, including a subsurface investigation (1983), groundwater monitoring well installation and sampling (1987), a soil and groundwater investigation (1992-1993), remedial excavation (1993), and additional well installation and sampling (1993)

New reports and information (134 documents) published since the 2007 Data Gaps Report was prepared are listed in Appendix A. This includes the following:

- Information on the GTSP Flume Replacement Project
- Data from additional groundwater sampling at GTSP
- Data from the investigation of potential PCB sources to Slip 4 (Landau Associates, October 2008)
- Additional information on the historical layout and building uses at NBF
- 2007 PCB soil investigation (Landau 2007b)
- Soil sampling associated with storm drain replacement activities
- 2008 soil and catch basin investigation (Landau 2008b)
- Information associated with the NBF Tent Hangar construction (2008)
- Additional information about recent storm drain system cleaning and repair activities
- Data from recent sediment trap, catch basin, and manhole sampling

Tables have been added throughout the text to summarize chemicals detected in soil and groundwater in potential contaminant source areas.

### **1.2.2 Report Organization**

Section 2 provides an overview of the area of the NBF-GTSP Site area, including location, physical environment, and natural environment. Section 3 describes existing information about the GTSP; although the Georgetown Flume is not the focus of the current report, it is discussed in this section as it pertains to contaminants potentially originating from the Steam Plant. Section



4 summarizes existing information about NBF. Section 5 identifies potential sources of contaminants from adjacent properties, primarily King County International Airport. Section 6 summarizes potential sources of sediment recontamination identified in earlier sections, both historical and ongoing, and identifies remaining data gaps. Section 7 presents a list of references cited in this report. Appendices provide a list of document reviewed, historical information about NBF, aerial photos, maps, data tables, and other relevant materials.

For the purpose of discussing environmental investigations and cleanups, NBF was subdivided into three areas based on areas previously defined by Boeing and historical features: the Propulsion Engineering Laboratory (PEL) area (located in the northern portion of NBF), the Central Area, and the Southern Area (Figure 4-4). Many investigations and remedial excavations have been performed in the PEL area. Also, the facility's King County Industrial Waste (KCIW) permit requires additional monitoring of metals and VOCs from the Building 3-333 retention vault discharge location, located within the PEL area. The Central Area includes areas where many activities that are potential industrial pollutant sources (e.g., wastewater treatment, aircraft maintenance, etc.) are ongoing. The areas between East Marginal Way S and the Flight Test and Operations area, and the Flight Test and Operations area (including Concourse A, B, and C) are included in the Central Area. The Southern Area includes the remaining area of NBF, including the former locations of Buildings 3-830 through 3-832.

### **1.2.3 Soil and Groundwater Data Comparisons**

Ecology established cleanup standards for hazardous waste sites under MTCA. Cleanup standards included cleanup levels and points of compliance. Cleanup levels determine at what concentration a particular hazardous substance does not threaten human health or the environment. Points of compliance designate the location on a site where the cleanup levels must be met. Cleanup levels and points of compliance for the NBF-GTSP Site will be established as part of Ecology's RI/FS process.

As a preliminary screening step to identify areas where additional soil or groundwater investigations may be needed, concentrations of chemicals in soil and groundwater were compared to published MTCA cleanup levels and draft soil-to-sediment and groundwater-to-sediment screening levels as described below.

Concentrations of chemicals in soil and groundwater were compared to current Method A or B cleanup levels as published in the Cleanup Levels and Risk Calculations (CLARC) database.<sup>1</sup> The lowest cleanup level for each chemical was used for the comparison. The Method A Industrial Land Use table value was used for soil concentrations, unless a lower cleanup level was defined by Method B. For groundwater concentrations, the Method A table value was used, unless a lower cleanup level was defined by Method B. The standard formula values were used for Method B cleanup levels for soil and groundwater. The cleanup levels published on the CLARC database are not site-specific and should not be considered as acceptable cleanup levels for the NBF-GTSP Site.

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<sup>1</sup> <https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx>

The Washington Sediment Management Standards (SMS) (Chapter 173-204 Washington Administrative Code [WAC]) establish marine Sediment Quality Standard (SQS) and Cleanup Screening Level (CSL) values for some chemicals that may be present in sediments. Sediments that meet the SQS criteria (i.e., are present at concentrations below the SQS) have a low likelihood of adverse effects on sediment-dwelling biological resources. However, an exceedance of the SQS numerical criteria does not necessarily indicate adverse effects or toxicity, and the degree of SQS exceedance does not correspond to the level of sediment toxicity. The CSL is greater than or equal to the SQS and represents a higher level of risk to benthic organisms than the SQS levels. The SQS and CSL values provide a basis for identifying sediments that may pose a risk to some ecological receptors.

Concentrations of chemicals in soil and groundwater were compared to draft soil-to-sediment or groundwater-to-sediment screening levels (SAIC 2006) that were based on the SMS CSL. These screening levels were initially developed to assist in the identification of upland properties that may pose a potential risk of recontamination of sediments at Slip 4. The screening levels incorporate a number of conservative assumptions, including the absence of contaminant dilution and ample time for contaminant concentrations in soil, sediment, and groundwater to achieve equilibrium. In addition, the screening levels do not address issues of contaminant mass flux from upland media to sediments, nor do they address the area or volume of sediment that might be affected by upland contaminants. Because of these assumptions and uncertainties, these screening levels are most appropriately used for one-sided comparisons. If contaminant concentrations in upland soil or groundwater are below these screening levels, then it is unlikely that they will lead to exceedances of the SMS in LDW sediments. However, upland concentrations that exceed these screening levels *may or may not* pose a threat to marine sediments; additional site-specific information must be considered in order to make such an assessment. While not currently considered contaminants of concern in sediment, these chemicals may warrant further investigation, depending on site-specific conditions, to evaluate the likelihood that they will lead to exceedances of the SMS.

#### **1.2.4 Storm Drain Solids Data Comparisons**

Storm drain solids data were compared to their corresponding SQS and CSL values. While these comparisons are useful to gain a comparative sense of contaminant levels in the storm drain system, it should be emphasized that the SQS and CSL values do not apply to storm drain solids. It is important to note that any comparison of this kind is most likely conservative, given that sediments discharged from storm drains are highly dispersed in the receiving environment and mixed with the natural sedimentation taking place in the system.

For non-polar organics, the measured dry weight concentrations were organic carbon (OC) normalized to allow comparison to the SQS/CSL. For samples with total organic carbon (TOC) less than 0.5% or greater than 4%, organic carbon normalization is considered inappropriate (Michelsen and Bragdon-Cook 1993). Instead, the dry weight chemical concentrations of these samples were compared to the lowest apparent effects threshold (LAET) and 2<sup>nd</sup> lowest apparent effects threshold (2LAET) values, which are functionally equivalent to the SQS and CSL values, respectively (Ecology 1996).

### 1.2.5 Limitations

Property boundaries, labels, and storm drain lines shown in many of the figures provided in this report were derived from the Seattle Public Utilities (SPU) geographic information systems (GIS) database, or from design drawings provided by Boeing. Parcels, contours, water, and transportation features were exported from the SPU/City of Seattle GIS database in May 2006. The date of the last update for parcels is unknown and not documented in the metadata. Utility (storm drain) features were provided in a CAD file from Boeing in December 2008.

This report uses original source documents, if they were available. Data and reports published after February 25, 2009, are not included in this report. Information reviewed includes aerial photos; King County tax records; and reports, maps, and data obtained from Ecology's Northwest Regional Office, Ecology Central Records, Washington State archives, Environmental Protection Agency (EPA), King County, City of Seattle, and Boeing; and personal communications as noted in Appendix A, Documents Reviewed.

Additional information on contaminants of concern in Slip 4 sediments, potential sources of these contaminants, and source control actions that are planned or ongoing is presented in the *Slip 4 Source Control Action Plan* (Ecology 2006), the *Technical Memorandum: Status of Slip 4 Source Control* (SAIC 2007b), and the *LDW Source Control Status Reports* (Ecology 2007, 2008a, 2008c).

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## 2.0 Site Description

### 2.1 Site Location and Ownership

The NBF-GTSP Site consists of two properties: the former Georgetown Steam Plant property, and the Boeing-owned and leased parcels known as North Boeing Field (Figure 1-1).

The GTSP is located near the intersection of Warsaw Avenue S and Ellis Avenue S near the northwest corner of King County International Airport (KCIA). The GTSP property contains an old powerhouse that currently houses the Georgetown Powerplant Museum. A condenser pit beneath the powerhouse is connected to an underground concrete tunnel that discharges into a flume (the GTSP Flume). The GTSP Flume (also known as the Georgetown Flume) is a system of wood- and concrete-lined channels approximately 0.4 mile long, that was constructed in the early 1900s to convey cooling water from the GTSP to the Duwamish River when the river was straightened for navigation. Cooling water discharges ceased in the 1960s. Over the years, numerous storm drains and industrial wastewater outfalls were connected to the flume. During the early 1980s, Boeing rerouted most of its drainage from the flume to the KCIA storm drain system (KCIA SD#3/PS44 emergency overflow [EOF]). The remainder of Boeing's discharge to the flume was rerouted in 2008, prior to the flume demolition project. Currently, the flume drainage area is approximately 6 acres (Goldberg 2009).

The GTSP Flume extends for approximately 0.4 mile from the powerhouse to the head of Slip 4. Until the 1960s, the flume was used to discharge cooling water from the Steam Plant. At one time, the flume was a conduit for industrial wastewater discharges and runoff from an estimated 11.5 acres of the north end of the airport. Seattle City Light (SCL) is currently removing and replacing the flume. The City of Seattle owns the 7.29-acre property that contains the powerhouse and property adjacent to the GTSP Flume.

King County owns most of the land within the NBF, which is bounded to the northwest by Ellis Avenue S, to the southeast by the southern end of Boeing's flight line and taxiways, to the northeast by the eastern edge of Boeing's flight line and taxiways, and to the southwest by East Marginal Way S. Boeing leases about 117 acres of NBF property from King County and owns the improvements it has constructed on the leased property. Boeing also leases a few acres on either side of the GTSP Flume from the City of Seattle and owns the parcel containing Building 3-390 and an adjacent parcel used for parking. Boeing manages numerous research, testing, and manufacturing facilities on the property. A network of stormwater catch basins, drains, and pipes collect and convey stormwater from NBF to the head of Slip 4 (Figure 2-1).

Surrounding land use is primarily industrial, except to the northwest along Ellis Avenue S, which is residential. The 615-acre KCIA, a general aviation airport owned and operated by King County as a public utility, is located to the east of NBF. Much of the NBF site is an open, paved surface area used for aircraft taxiways and for parking (Landau 1993b).

Topography in the general vicinity slopes gradually to the west toward the LDW.

## 2.2 Physiographic Setting

The NBF-GTSP Site is located in the central Puget Sound Lowland, a broad glacial drift plain that is dissected by a network of deep marine embayments and lakes. The Site is situated within the north-south trending Duwamish Valley on the Duwamish floodplain, formerly a marine embayment that extended as far south as Auburn. About 5,700 years ago, an enormous mudflow emanated from Mount Rainier and filled the upper portion of this embayment. At that time, the White and Green Rivers both drained northward through the Duwamish Valley. Sediment carried by these rivers, and erosion of the extensive mudflow deposits, continued to fill in the embayment and shift the marine shoreline farther north. With time, silt, sand, and gravel eventually filled in the valley and created the modern river environment and floodplain. As the river continued to flood and migrate across the valley, sediments were reworked and ongoing river sedimentation took place from upstream (Fabritz et al. 1998).

The tide flats and floodplain of the valley were infilled during the late 1800s and early 1900s. The meandering Duwamish River was straightened between 1913 and 1917 into a 4.5-mile long channel. In the process, 12.5 miles of old riverbed were abandoned. Some of the old meanders mark the locations of current side slips on the LDW, including Slip 4. The dredged sand was used to fill old channel and lowland areas to raise them above sea level. More recent filling for land development has resulted in a surficial layer of fill throughout the area (Fabritz et al. 1998; Windward 2008).

The geologic units underlying the Duwamish Valley include bedrock, glacial deposits, marine deposits, and river/floodplain deposits. The Tertiary age bedrock (sandstone and siltstone) is exposed on the hillside east of NBF near Interstate 5, and in some bedrock knobs that were not covered by floodplain sediments in the South Park area southwest of NBF. The bedrock beneath the NBF site is probably a few hundred feet deep (Fabritz et al. 1998).

Glacial deposits in the area predominantly include those from the last glacial advance, referred to as the Vashon stage (about 15,000 years ago). The Duwamish Valley is bounded to the east and west by uplands covered by Vashon glacial till and outwash deposits. In the center of the valley northwest of NBF, the top of these Vashon glacial deposits are identified at a borehole depth of about 260 feet below ground (near 1<sup>st</sup> Avenue S bridge) (Yount et al. 1990; Fabritz et al. 1998). At Boeing Plant 2, located southwest of NBF, a number of deep boreholes have identified the top of the glacial units as ranging from 70 feet to more than 130 feet below ground (GeoMapNW 2009).

Overlying the glacial deposits in the valley are the former marine embayment sediments, which in turn are overlain by the river/floodplain deposits. In the area of Boeing Plant 2 and the west side of NBF-GTSP, borehole data show that a silt-rich layer typically overlies the Vashon glacial deposits, including silt, clay, and sand with common shell fragments. The top of this layer of marine sediments ranges in depth from about 65 to 100 feet below ground. This layer grades upward into an alluvial deposit consisting of fine sand with silt, or silty sand, with its top surface ranging in depth from about 30 to 60 feet below ground. This is overlain generally by fine to medium sand with minor silt or gravel. Fill material (sand, silt, gravel) occupies the upper 8 to 20 feet below ground (GeoMapNW 2009).

## 2.3 Hydrology

The principal surface drainage channel in the NBF-GTSP Site vicinity is the LDW, which is located approximately 1,300 feet southwest of the Site, beyond East Marginal Way S. The Duwamish River originates approximately 5 miles south of the Site where it merges with the Green River. From this point, the river and LDW flows north into Elliott Bay on Puget Sound.

Groundwater in the vicinity occurs at shallow depths under unconfined conditions, within the recent alluvium and fill. Based on a large number of groundwater monitoring reports (by SECOR) and other site investigations (by various consultants), depth to groundwater varies seasonally and typically occurs at depths from 4 to 12 feet below ground surface (bgs). Groundwater generally flows to the west toward the LDW, but direction varies locally from southward to northwestward, at a relatively shallow gradient of 0.001 to 0.003 foot per foot.

## 2.4 Natural Environment

The area near the NBF/GTSP Site is highly industrialized and mostly paved, making this unsuitable habitat for most animals. The only unpaved areas include a grassy portion on the east side of the GTSP property, and isolated plantings associated with NBF parking lots and office buildings. Birds and mammals that have adapted to urban environments, such as gulls, sparrows, finches, swallows, and European starlings, as well as mice, squirrels, and bats, may occasionally be observed in this area.

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### 3.0 Georgetown Steam Plant

Facility Summary: Georgetown Steam Plant	
Tax Parcel No.	7006700570
Address	1131 S Elizabeth; 6605 13 <sup>th</sup> Avenue S
Property Owner	Seattle City Light
Parcel Size	7.29 acres (317,500 sq ft)
Facility/Site ID	2050 (North Boeing Field Georgetown Steam Plant) 63485131 (Georgetown Steam Plant) 1549544 (Georgetown Flume Outfall)
Present Use	Museum
NPDES Permit No.	WA-000328-0 (inactive)
UST/LUST ID No.	8818

The GTSP was constructed by the Seattle Electric Company in 1906 on 16 acres of land. The station's purpose was to provide Seattle Electric with additional peak load capacity; much of its power went to operate the utility's streetcars. In 1912, Puget Sound Power and Light Company purchased Seattle Electric Company (ASME 1980); thereafter, use of the GTSP declined. For a period of time, the station was used only to supply steam to the company's car barns.

After the Duwamish River was straightened in 1916 to form the Duwamish Waterway, a flume (known as the GTSP Flume) measuring 7 feet wide by 5 feet deep was connected to the discharge tunnel to transport cooling water to Slip 4 (SEA 2004). When the GTSP was shut down in the 1960s, routine cooling water discharges were discontinued, with the exception of annual test runs (SEA 2004).

In 1951, the City of Seattle Department of Lighting (now SCL), purchased the GTSP. The plant's last production run was in the winter of 1964. In 1963, the northwestern portion of the original GTSP property was sold to King County.

Surrounding land use includes the KCIA runways located to the east of the site, buildings associated with Boeing's Propulsion Engineering Labs located to the south and southwest, the Washington Air National Guard and Washington State Department of Transportation (WSDOT) facilities located to the west, and the King County truck maintenance facility located to the northwest of the site. Reportedly, Great Western Soil Conditioners, a company that hauls biosolids from King County's wastewater treatment plant, maintains its trucks at the King County facility (Bridgewater Group 2000).

The City of Seattle leases a portion of the property adjacent to the flume to Boeing. As industrial development occurred in the area, pipes from nearby properties and facilities were connected to the flume at numerous locations along its length. These included both permitted and unpermitted connections for stormwater, cooling water, and industrial wastewater discharges.

Sampling conducted by EPA in 1982 identified elevated concentrations of metals, PAHs, and PCBs in Slip 4; Metro samples from the flume sediments entering Slip 4 contained 13 mg/kg PCBs (Raven 1988a). Additional samples identified PCBs in the flume at concentrations up to 92 mg/kg (Ecology 2006).

### 3.1 Current Operations

The GTSP is owned by Seattle City Light, which currently leases it to the Georgetown Powerplant Museum. Current site features are depicted in Figure 3-1 and include the following:

- **Power House:** The former GTSP power house, located in the northwest portion of the site, is divided into an ash room, boiler room, engine room, turbine room, and a series of galleries on five levels. A condenser pit is located beneath the power house; it is connected to an underground concrete discharge tunnel that was used in the past to discharge cooling water to the concrete and wooden GTSP Flume.
- **Water Reservoir:** A circular concrete water reservoir is located near the northwest corner of the power house. It formerly held cooling water for one of the plant's turbine generators.
- **Flume:** The GTSP Flume is a 2,500-foot-long system of wood or concrete-lined open ditches and buried pipes that run from the GTSP to the LDW at Slip 4. The flume is connected to the discharge tunnel from the power house. The head of the flume (the most upstream portion) is partially open and partially covered for a distance of approximately 160 feet. The downstream end of the flume head is connected to buried, dual concrete pipes that extend for approximately 400 feet; these pipes connect to a short section of open concrete-lined flume and then to an open, wooden flume that runs south to its point of discharge at Slip 4. The flume is currently being replaced with a new buried storm drain pipe (see Section 3.4.10).
- **Railroad and Sheds:** A miniature steam railroad is used by museum visitors. Two small sheds are located near the east corner of the site. Current use of the sheds is not known; however, a shed in the southeast corner of the site contained cans of paint, paint thinner, grease, and oil at the time of a site visit in July 2000 (Bridgewater Group 2000).

A catch basin inlet located on the south side of the GTSP power house was, until recently, connected to the flume. This inlet is now plugged and will be filled in as part of the GTSP Flume Replacement Project (Goldberg 2009). The southwest half of the power house building roof currently drains to the GTSP Flume. Roof drains on the northeast side of the building discharge to the ground; most stormwater infiltrates into the ground as most of the GTSP property is unpaved. During large storm events, runoff may sheet flow off site and enter catch basins at NBF, to the south or west. These roof drains will be connected to the flume as part of the GTSP Flume Replacement Project (Goldberg 2009). No pollutant sources associated with current operations of the GTSP site have been identified.

The City of Seattle (SPU and SCL) is currently cleaning and replacing the GTSP Flume (Figure 3-7; see Section 3.4.8). The project is expected to be completed in September 2009 (SCL 2009).

### 3.2 Historical Operations

Historical site features at the GTSP are shown in Figure 3-2. The powerhouse was built in 1906 by the Seattle Electric Company along an oxbow of the Duwamish River. It initially contained two turbo-generators: a 3,000 kW unit and an 8,000 kW unit, installed in 1907 and 1908, respectively. A third unit (10,000 kW) was installed in 1917 (ASME 1980). Its location along the

Duwamish took advantage of the river as a source of cooling water for the condensers and for convenience in discharging wastewater (ASME 1980). The Duwamish River was straightened in 1917, cutting off the water supply to the GTSP. Between 1917 and 1919, connections from the LDW to the GTSP were added to supply water to produce steam, and the flume was constructed to convey waste water to Slip 4 (ENTRIX 2008).

### **3.2.1 Prior to 1960**

The GTSP initially used fuel oil to fire the boilers. Then, from 1925 to 1945, the boilers were fired with coal. Coal was brought onto the site by rail across the north end of Boeing Field. A coal conveyer was operating at the south end of the plant where a large smokestack was located (Raven 1988a). This area later became the Boeing Smoke Test Area.

The plant was converted to burn oil during World War II. At that time, the smokestacks were dismantled to allow airplane approaches. Bunker C fuel oil was delivered to the plant in rail cars and stored in three underground 12,000-gallon steel oil tanks near the south corner of the building (SCL 1988a). Log books of activities at GTSP indicate that used transformer oil was delivered to the GTSP (City of Seattle 1953-1965). A 700-gallon diesel tank was located at the southwest corner of the GTSP. Fuel was also stored in a 150,000-gallon steel oil tank, located southwest of the power house.

An 800,000-gallon aboveground concrete oil storage tank was located to the northeast of the building. This tank held Bunker C fuel oil until May of 1987. Approximately 8 feet of its 15.7-foot height extended above the airport runway elevation (SCL 1988a).

Operation of the plant required cooling water. In the early days, the plant was located close to the deltaic channels and spent cooling water was discharged through a 250-foot long concrete tunnel into the channel. River water was pumped to supply the condensers at the GTSP through cooling coils and then discharged into the condenser pit. After dredging of the present Duwamish channel 2,500 feet to the west, an open timber flume was constructed from the tunnel mouth to drain the condenser water.

Boiler feed water was replaced after several cycles in the system to remove unwanted materials, such as chemical additives, corrosion products, and scale minerals. These wastewaters were channeled into a ditch (referred to as the blowdown ditch) and discharged into a low-lying area near the southwest corner of the site (Figure 3-2). The low-lying area and ditch were not directly connected to the flume, although there was an indirect connection. Overflow from the low-lying area ran into a storm drain to the south, which connected to the head of the flume (Raven 1988a).

### **3.2.2 1960 to 1969**

In 1961, the City of Seattle permitted Boeing to use an area east of the current GTSP property and north of KCIA for fire drill training. This area is referred to as the North Boeing Field Fire Training Center (NBF-FTC) and is discussed further in Section 5.1. In 1963, King County purchased the northeastern portion of the GTSP property, which included the NBF-FTC, a large concrete oil storage tank, a warehouse, and a machinery shop (Bridgewater Group 2000).

A drainage ditch was located along the southern boundary of the GTSP site. The ditch formerly conveyed runoff from the northern portion of KCIA (including the NBF-FTC) and from the southeastern portion of the site to a low-lying area that was located southwest of the power house.

Some reports indicate that a transformer storage area may have been located near the southwest corner of the GTSP property (AGI 1998b); however, no specific information to support this assertion was found.

In 1967, the City of Seattle issued a temporary permit to Boeing to conduct fire training in an area approximately 50 feet southeast of the GTSP. Although there have been references specifying this area as the former Boeing Fire Training Pit, there is no indication that it was ever a “pit.” Aerial photographs show an airplane fuselage was present at the time in this location (Bridgewater Group 2000). The permit expired in 1974 (SEA 2004). For the purposes of this report, this location will be referred to as the Boeing Smoke Test Area.

The log books of daily activities at the GTSP indicate that, during this time period, used transformer oil continued to be delivered to the GTSP (City of Seattle 1953-1965).

### **3.2.3 1970 to 1979**

From 1971 to 1977, the GTSP was maintained on standby as part of a regional reserve for emergency situations (ASME 1980). The city permanently shut down the GTSP in 1977. City records indicate that 729 barrels of used transfer oil were delivered to the GTSP from 1972-1974 (SCL 1976). In 1978, the GTSP was listed on the National Register of Historic Places. In 1980, the site was designated a National Historic Mechanical Engineering Landmark (ASME 1980). In 1984, it became a City of Seattle Landmark, and a National Historic Landmark. Since 1987, the plant has been a museum.

### **3.2.4 1980 to 1989**

City records show that in 1980, 489 barrels of used transformer oil were delivered to the GTSP (SCL 1985). In the early 1980s, in an attempt to identify the source of PCBs in Slip 4 sediments, Metro found PCBs in sediment samples from the GTSP Flume immediately downstream of the GTSP and NBF. In response to Metro’s findings, SCL began sampling the area around its plant during 1982 and 1983, including sediment at the head of the flume and soil around storage tanks. No PCBs were detected during this sampling event (Ecology 1984).

In December 1983, SCL cleaned up a “small trash dump” just north of the low-lying area at the southwest corner of the SCL property, and filled in the boiler blowdown ditch (Ecology 1984).

A sampling program was conducted in 1984 to evaluate the presence and distribution of PCBs at the GTSP (SCL 1984b) (see Section 3.4). Based on the presence of PCBs in the low-lying area, SCL covered the drainage ditch and low-lying area (an area approximately 100 feet by 350 feet) with plastic (SCL 1985b), and King County diverted surface runoff from the northern part of KCIA to minimize flow into the ditch and low-lying area (SCL 1984c). SCL also proposed to

install a series of sediment-control structures in the flume to trap and store sediments that may be moving downstream (SCL 1984c).

On January 3, 1984, a 6-inch water main valve broke and water flooded the entire floor of the GTSP. The water filled and overflowed drip pans and storage tanks containing lube oil. Approximately 100 to 400 gallons of oil floated out and down the flume. Samples of the lube oil indicated that it contained less than 5 mg/kg PCBs (SCL 1984a). In February 1985, another oil spill was identified in the flume; samples indicated PCB concentrations of 67 to 80 mg/kg (Ecology 1985a). The source of this oil spill was not identified (SCL 1985d).

A multi-stage cleanup of the low-lying area, the flume, and adjacent areas was conducted in 1985 (see Section 3.4).

In the spring of 1987, water and foam overflow from activities at the NBF-FTC was observed to flow down the old ditch channel on top of the plastic. In October of that year, the NBF-FTC was covered with plastic tarps (Raven 1988a).

The large concrete oil tank northeast of the site was demolished in 1988. The three feed oil USTs and the diesel tank were removed in 1989.

### **3.2.5 1990 to 1999**

During 1995 to 1996, King County reportedly removed a portion of the fence along the northwest site boundary, and piled soils in this area. SCL later graded the soil piles (Bridgewater Group 2000). The soil is believed to be associated with a remedial action for removal of contaminated soils containing halogenated volatile organics, metals, and petroleum hydrocarbons being conducted at American Avionics, a KCIA tenant facility.

Additional information on historic operations at the GTSP is provided in a Preliminary Assessment conducted by Bridgewater Group in 2001 (Bridgewater Group 2002). More recent activities at the site are discussed in Section 3.4 below.

## **3.3 Permits and Inspections**

The facility operated under National Pollutant Discharge Elimination System (NPDES) Permit No. WA-000328-0. In February 1976, EPA requested that the permit be modified to include a prohibition on discharge of PCBs “such as those commonly used for transformer fluid” (USEPA 1976). A revised permit was issued on May 17, 1976 (Ecology 1976). The permit was last revised in 1979.

Ecology’s UST database lists four tanks associated with this facility (Site ID 8818), which were installed in 1964.<sup>2</sup> Three are identified as <20,000-gallon heating fuel tanks; the fourth is <1,000 gallons with unknown contents. All four have been removed.

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<sup>2</sup> Ecology Underground Storage Tank (UST) database, November 8, 2006. <http://www.ecy.wa.gov/programs/tcp/ust-lust/ust-1st2.html>

In 1978, Ecology inspected the site and noted that the large concrete oil storage tank was leaking. Replacement of the tank and lining of two sumps in front of the tank was recommended (Bridgewater Group 2000).

In 1985, Ecology performed a preliminary site assessment of a number of historical and/or potential hazardous waste sites in Washington. The GTSP (along with NBF) was identified as a potential source of PCBs, lead, and petroleum products (Ecology 1985, as cited in Bridgewater Group 2000).

Ecology's Leaking Underground Storage Tank (LUST) database indicates that one LUST was present on the property (Release ID 1612); Ecology was notified of the leak on November 6, 1989, and cleanup was completed on April 27, 2000.<sup>3</sup>

In September 1999, the GTSP site was added to Ecology's confirmed and suspected contaminated sites list (CSCSL) because PCBs were suspected to be present in soil, groundwater, and sediment. In addition, petroleum products were confirmed in soil and suspected in groundwater.<sup>4</sup> Migration of PCBs from the site onto Boeing property and to the Duwamish River was suspected (Ecology 1999, as cited in Bridgewater Group 2000).

A 2001 site hazard assessment conducted by Ecology and Public Health–Seattle & King County resulted in a Washington Ranking Method (WARM) rating of 5 out of 5 (the lowest level of concern for risk to human health and the environment). The site is currently listed in the CSCSL database as “ranked, awaiting remedial action.”

### **3.4 Environmental Investigations and Cleanups**

A number of environmental investigations have been conducted at the GTSP. Areas of chemical contamination have been identified on the property, in sediments of the flume, and in Boeing storm drains connected to the flume. Investigations and cleanups associated with potential contaminant contributions to the flume from NBF are described in Section 4. The following investigations are summarized in this section:

- Soil Sampling to Test for PCB Contamination, Georgetown Steam Plant: SCL Work Order #84-4 (Raven Systems & Research, Inc., September 1984)
- Sampling to Test for PCB Contamination at the Georgetown Steam Plant Flume, Phase IV: SCL Work Order #84-9 (Raven Systems & Research, Inc., December 1984)
- Sampling to Test for PCB Contamination at the Georgetown Steam Plant Flume, Phase III: SCL Work Order #84-6 (Raven Systems & Research, Inc., January 1985)
- GTSP Soil Excavation and Sewerline Cleaning (AB Consulting, Inc., 1985)
- Testing: Georgetown Flume, Georgetown Steam Plant Ditch, Myrtle St. Property: SCL Work Order #87-5 (Raven Systems & Research, Inc., June 1987)

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<sup>3</sup> Ecology Leaking Underground Storage Tank (LUST) list, November 16, 2006.

<http://www.ecy.wa.gov/programs/tcp/ust-lust/ust-lst2.html>

<sup>4</sup> Department of Ecology – Toxics Cleanup Program, Integrated Site Information System, Confirmed and Suspected Contaminated Sites List, October 5, 2006.

- PCB Testing at Shoreline Substation and the Georgetown Fuel Tank: SCL Work Order #87-9 (Raven Systems & Research, Inc., July 1987)
- Analysis of Historic Sampling Results from Georgetown Steam Plant and Environs: SCL Work Order #87-10 (Raven Systems & Research, Inc., January 1988)
- Georgetown Tank Sludge and Soil Testing: SCL Work Order #87-14 (Raven Systems & Research, Inc., February 1988)
- Core Testing of the Georgetown Steam Plant Soil Pile: SCL Work Order #88-7 (Raven Services Corporation, May 1988)
- Water Quality and Sediment Testing at the Georgetown Steam Plant Condenser Pit: SCL Work Order #87-12 (Raven Services Corporation, December 1988)
- Sediment Sampling of the Georgetown Flume: SCL Work Order #88-12 (Raven Services Corporation, December 1988)
- Excavated Soils Testing at the Georgetown Steam Plant: SCL Work Order #89-16 (Raven Services Corporation, January 1990)
- Soil and Groundwater Investigation, Fire Training Center – North Boeing Field, King County Airport (Landau Associates, Inc., October 1992)
- Preliminary Assessment (The Bridgewater Group, 2000)
- Phase II Environmental Site Assessment (The Bridgewater Group, 2002)
- Georgetown Steam Plant January 2006 Soil Sampling (Integral Consulting, Inc., June 2006)
- Interim Remedial Action Completion Report, Georgetown Steam Plant (Integral Consulting, Inc., August 2006)
- Addendum to Completion Report, GTSP Interim Action (Integral Consulting, Inc., October 2006)
- Soil Boring and First Quarter (Summer 2006) Groundwater Monitoring Report (Integral Consulting, Inc., November 2006)
- Second Quarter (November 2006) Groundwater Monitoring Report, Georgetown Steam Plant (Integral Consulting, Inc., February 2007)
- Third Quarter (February 2007) Groundwater Monitoring Report, Georgetown Steam Plant (Integral Consulting, Inc., May 2007)
- Fourth Quarter (May 2007) Groundwater Monitoring Report, Georgetown Steam Plant (Integral Consulting, Inc., November 2007; Draft)
- Investigation of Potential Polychlorinated Biphenyl (PCB) Sources to Slip 4 (Landau Associates, October 2008)

Investigation results are summarized below, organized by potential pollutant source. Soil and groundwater sampling locations are shown in Figures 3-4 through 3-6; a summary of detected chemicals with concentrations above regulatory or screening levels are presented in Tables 3-1 and 3-2 for soil and groundwater, respectively. Complete data tables for all detected chemicals are presented in Appendix B.

The former Greely Substation is not currently owned by the City of Seattle (the property was sold to King County in 1963); however, it was associated with Seattle City Light operations in the past. No information is available regarding the types of electrical equipment that were in service or whether the equipment contained PCBs (Bridgewater Group 2000). However, given its location, migration of PCBs to the condenser pit or to the drainage ditch and low-lying area is considered unlikely. Aerial photographs do not indicate a well-defined stormwater pathway from the north side of the power house to the drainage ditch or low-lying area (Bridgewater Group 2000). Six soil samples were collected from the former Greely substation area, which was located to the northeast of the power house, during the Phase II Site Assessment (Bridgewater Group 2002). Samples were collected adjacent to each of three concrete pads where electrical equipment was formerly located. PCBs were not detected (Bridgewater Group 2002).

### 3.4.1 Power House Operations

In 1983, SCL tested transformers inside the power house and did not detect PCBs (Shapiro & Raven 1984). A water and soil/sediment sample collected inside the Power House in October 1984 contained 0.047 µg/L PCB and 0.070 mg/kg PCB, respectively (Raven 1985a). Water and sediments in the condenser pit were tested in 1987 and 1988, and no detectable levels of PCBs were found (Raven 1988c; Bridgewater Group 2000).

During a July 1990 site visit, staining was observed on concrete in several locations throughout the power house (the former ash room, south end of the boiler room, and beneath the transformers located on the first floor gallery) (Bridgewater Group 2000). The lateral extent of staining was limited, and there was no evidence of a significant release that could have reached the condenser pit.

During the 2002 Phase II Environmental Site Assessment (ESA) conducted by The Bridgewater Group, wipe samples were collected beneath electrical equipment on the first floor of the power house (including the transformers and potheads), electrical equipment on the fifth floor gallery, and beneath the bearing lube oil pump and tank. No PCBs were detected on the first floor of the power house. PCBs (Aroclor 1248) were detected in one of five wipe samples from beneath electrical equipment on the fourth floor gallery, at a concentration of 1.1 µg/100 cm<sup>3</sup>. No visual evidence of migration of dielectric fluid from the fourth floor gallery or boiler room to soil outside the building or to the condenser pit was observed (Bridgewater Group 2002).

PCBs were detected in two wipe samples from visibly stained areas beneath two transformers located on the second floor of the GTSP, at the southeast end of the boiler room. Aroclor 1254 was detected at 9 µg/100 cm<sup>3</sup> and 3 µg/100 cm<sup>3</sup> in the two samples; Aroclor 1262 was detected in one sample at 2.2 µg/100 cm<sup>3</sup> (Bridgewater Group 2002).

PCBs were also detected in six wipe samples collected from the fuel transfer system (Bridgewater Group 2002). Concentrations ranged from 4.3 to 109 µg/100 cm<sup>3</sup> (detected Aroclors only). Aroclor 1248 and Aroclor 1260 made up the majority of the PCBs detected.

Wipe samples collected from the bearing oil system and fuel system also contained petroleum hydrocarbons and PAHs (fluorene, phenanthrene, fluoranthene, pyrene, benzo(a)anthracene, and benzo(a)pyrene).



During the 2002 Phase II Site Assessment, soil samples were collected near the former oil valve shed, and the location of the former coal conveyer system and stacks, now occupied by a scale model railroad used by museum visitors (Bridgewater Group 2002). PCBs were not detected near the former oil valve shed; however, soils from the vicinity of the scale model railroad (used by museum visitors) contained PCBs from 0.04 to 3.6 mg/kg (Bridgewater Group 2000). PAHs were detected in two of four samples near the former coal conveyer system; total carcinogenic PAH (cPAH) concentrations were 0.89 and 1.4 mg/kg in these samples (Bridgewater Group 2002). Cadmium, chromium, copper, lead, mercury, nickel, tin, and zinc were also detected; concentrations were below Washington State MTCA cleanup levels.

A sample was collected from the condenser pit in March 2005, as part of the SPU Source Control Program (SPU and King County 2005b). Zinc (1.13 mg/kg) exceeded the CSL; total petroleum hydrocarbons (TPH)-diesel (2,300 mg/kg) and motor oil (9,700 mg/kg) exceeded MTCA Method A cleanup levels. PCBs were detected at 3.74 mg/kg (43 mg/kg OC).

### **3.4.2 Cooling Water Discharges**

Sediments in the GTSP discharge tunnel, which extends from the GTSP to the open GTSP Flume, contained up to 2,500 mg/kg PCBs during sampling in 1984 (SCL 1985c). Because the floor of the tunnel is lower than the floor of the flume, about 15 cubic yards of sediment had accumulated in this area. Four sediment traps were installed in the flume during the fall of 1984 to prevent downstream migration and discharge of contamination. Contaminated sediments were removed in 1985 and the tunnel opening was blocked to prevent tidal inflow (SCL 1985c).

### **3.4.3 Fuel Storage**

Bunker C fuel oil was stored in three underground 12,000-gallon steel oil tanks near the south corner of the power house, a 150,000-gallon steel oil tank located southwest of the power house, and an 800,000-gallon aboveground concrete oil storage tank located to the northeast of the building. In addition, a 700-gallon tank located at the southwest corner of the GTSP contained diesel fuel.

In 1980, SCL collected oil samples from the three steel USTs. Tanks 1, 2, and 3 contained 10, 7, and 20 mg/L PCBs, respectively. This material was pumped out prior to 1984 (Raven 1988a). Soil samples collected at depths ranging from 0 to 15 inches and 120 to 126 inches did not contain PCBs above the detection limit of 1 mg/kg (Laucks 1980, as cited in Bridgewater Group 2000). Soil around the tanks was tested again in 1984 and did not contain PCBs (Shapiro & Raven 1984). The tanks were removed in 1989. Oil and grease was detected in a 0 to 1.2-foot sample collected near the north feed oil UST at a concentration of 35,690 mg/kg. Raven collected soil samples from stockpiles of excavated soil from the tank removals. The stockpile samples did not contain PCBs; however, TPH was present at concentrations ranging from 8.6 to 67,600 mg/kg (Raven 1990). Confirmation samples collected from the bottom of the UST excavation contained TPH at up to 2,460 mg/kg; there was no indication of free product (PT Lab 1989). During the Phase II Site Assessment, soil samples were collected downgradient of this former tank location and analyzed for TPH. One sample was also analyzed for PAHs (Bridgewater Group 2002). Up to 4,200 mg/kg diesel-range TPH and 2,200 mg/kg oil-range TPH were detected. Total cPAHs were detected at 3.0 mg/kg.

The large concrete oil storage tank northeast of the site contained Bunker C fuel oil until May 1987. During an Ecology inspection in 1978, this tank was observed to be leaking. Oil in this tank contained 3.4 mg/L PCBs (as Aroclor 1260). It was demolished in 1988; no PCBs were detected in soils excavated during the tank removal or in concrete samples (Bridgewater Group 2000). Oil and grease, PAHs, and petroleum hydrocarbons were detected at 3,600, 200, and 250 mg/kg, respectively, in one soil sample collected at a depth of 14 feet near this tank. Another sample in this area contained 60,000 mg/kg PAHs at a depth of 21 feet (Ecology 2006). Two soil samples were collected along the current northeast property line in locations expected to be downgradient of this tank during the Phase II Site Assessment (Bridgewater Group 2002). Samples were collected at 9 to 11 feet bgs, just above the water table, and were analyzed for TPH. No TPH was detected.

In a 1988 summary of site data, Raven concluded that the underground fuel storage tanks and concrete fuel tank are not likely to be sources of contamination to the flume (Raven 1988a), although PCBs were present in diesel oil (7.5 mg/kg) and sludge (8.2 mg/kg) collected from the USTs (Raven 1988b).

The 700-gallon diesel tank was removed in 1989. PCBs were detected at 13 mg/L in samples from this tank (4.3 mg/L Aroclor 1242, 8.7 mg/L Aroclor 1260). No PCBs were detected in soil during tank removal.

No information on sampling near the 150,000-gallon steel oil tank was identified (Bridgewater Group 2000). The tank was apparently removed prior to 1966 (Bridgewater Group 2000).

#### **3.4.4 Boiler Feedwater Discharges**

During a 1983 Metro inspection, GTSP personnel indicated that blowdown from the boiler room was piped via a ditch (the blowdown channel) to the low-lying area (METRO 1983). The boiler feedwater blowdown channel was sampled in August 1984 (Raven 1984b). PCB concentrations were less than 1.4 mg/kg PCBs (Raven 1984b).

In a 1988 summary of site data, Raven concluded that the boiler feedwater discharge to the blowdown channel is not likely to be a source of contamination to the flume (Raven 1988a).

The blowdown ditch was again sampled during the 2002 Phase II ESA. Four soil samples were analyzed for TPH and metals. TPH was not detected; however, arsenic, cadmium, chromium, copper, lead, mercury, nickel, tin, and zinc were detected in one or more samples. Arsenic (6 mg/kg) was detected above the current MTCA Method A cleanup level of 0.67 mg/kg (Bridgewater Group 2002).

#### **3.4.5 Boeing Fire Training Areas**

Fire and smoke training areas were operated in the vicinity of the GTSP. The NBF-FTC, also known as the fire training pit, is located to the east of the GTSP on KCIA property, and is discussed in Section 5.1. A second area, identified as the Boeing Smoke Test Area, was located about 50 feet southeast of the GTSP power house, on SCL property (Figure 3-2). This area was used during August 1967 to August 1974 to train crews to respond to smoke in aircraft (SCL 1967; Bach 2009c). As noted in Section 3.2.2, this area has occasionally been misidentified as a fire training pit.

A portion of the NBF-FTC was located over the former Duwamish River oxbow that was filled when the river was straightened. The oxbow was reportedly filled with dredged materials (Bridgewater Group 2000). It is possible that releases from this area could have preferentially migrated toward a drainage ditch located along the southern GTSP property boundary and toward the low-lying area (Figure 3-2). PAHs, arsenic, and PCBs have been detected in this area at concentrations above current MTCA cleanup levels in samples collected during the Phase II ESA (Bridgewater Group 2002).

### **3.4.5.1 Drainage Ditch Samples**

Composite samples from the drainage ditch located along the southern GTSP boundary (Figure 3-3), collected in March 1984, contained 500 mg/kg PCBs, but composite samples collected in August 1984 contained less than 4 mg/kg PCBs (Shapiro & Raven 1984; Raven 1988a). In 1985, in conjunction with excavation of the low-lying area (see below), a tarp was installed along the ditch (Raven 1988a). It is not known whether the purpose of the tarp was to cover the ditch or to line the ditch to prevent erosion. In 1986/1987, SCL sampled the ditch; it contained 4 mg/kg PCBs (Raven 1988a). A ditch sample collected on August 20, 1987, contained 5.9 mg/kg PCBs (Raven 1988a).

Samples collected from the drainage ditch between 1984 and 1992 indicate that PCBs were present at concentrations to 15 mg/kg (primarily Aroclor 1254). Aroclor 1248 was also present during the 1985 cleanup of the low-lying area (see Section 3.4.6 below).

### **3.4.5.2 Soil and Groundwater Samples**

Six samples were collected from the area of the former Boeing Smoke Test Area during the 2002 Phase II ESA. Depths ranged from 1.5 to 6 feet bgs. Aroclor 1254 was detected in one sample at 0.058 mg/kg at a depth of 3 to 5 feet bgs. A variety of PAHs were also detected in two of the samples; total cPAHs were present at 2.3 and 4.0 mg/kg.

Two samples were collected and analyzed for TPH along the current northeast property line of the GTSP, in locations expected to be downgradient of the former NBF-FTC. No TPH was detected in the samples, which were collected at 6 to 9.5 feet bgs, just above the water table (Bridgewater Group 2002).

### **3.4.6 Low-Lying Area**

During a 1983 Metro inspection, GTSP personnel indicated that, in addition to blowdown from the boiler room (see Section 3.4.4 above), soot from the boilers was dumped in the vicinity of the low-lying area (Figure 3-2) located at the southwest corner of the property (Metro 1983). The Metro inspector postulated that since PCB-contaminated oil was burned at the GTSP, the soot could have contained PCBs, which reached the flume by overflowing from the low-lying area (referred to as a “pond”) to the nearby Boeing catch basins (Metro 1983).

Sampling in 1984 confirmed the presence of PCBs up to 50 mg/kg in soils in the low-lying area (SCL 1984b). In April 1984, PCB concentrations up to 500 mg/kg were detected in sediment composite surface cores collected from the low-lying area (referred to as the “pond” in early reports) by Shapiro & Associates (Raven 1988a).

In August of 1984, surface sediment samples collected from this area by Raven for SCL generally contained less than 50 mg/kg PCBs, except for the southwestern-most sample, which showed 403 mg/kg PCBs (Raven 1984b). The oily sand in the center of the low-lying area, which was collected from a vertically composited core (2- to 6-inch depth), contained 1,662 mg/kg PCBs. These samples were approximately 60 percent Aroclor 1242 and 40 percent Aroclor 1254 (Raven 1984b).

Transects across the low-lying area were sampled in March 1985 (Raven 1985b). Samples were collected from a berm at the northern edge of the former “pond” at depths ranging from 6 to 11 feet. These samples contained less than 1 mg/kg PCBs. One sample of the east side of the low-lying area (adjacent to the fence) contained 91,000 mg/kg PCBs at a depth of 1 foot, 6,800 mg/kg at 3 feet, and 7.7 mg/kg at 4 feet (Raven 1985b). The western vertical section contained 200 to 300 mg/kg PCBs at a depth of 1 foot, and a hot spot was identified in the center of the low-lying area at 16,000 mg/kg (1-foot depth). Detected PCBs were primarily Aroclor 1242 and 1254 (Raven 1985b).

A multi-stage cleanup of soils in the low-lying area was conducted by AB Consulting for SCL in October/November 1985 to remove PCB-contaminated soils identified in the March 1985 study (Figure 3-4). An area of approximately 40 by 50 feet was excavated to a depth of 3 to 4 feet, with a goal of removing soil containing over 10 mg/kg PCBs. Subsequent sampling of the cleaned areas indicated that PCB concentrations were reduced to 11 mg/kg or less. Detected PCBs were primarily Aroclor 1254, except at the easternmost portion of the excavation where Aroclor 1248 was detected (AB Consulting, Inc. 1986). In addition, AB Consulting drilled cores underneath the asphalt paved area southeast of the pond on King County property. Composite samples contained 190 and 220 mg/kg PCBs (Aroclor 1254) (AB Consulting, Inc. 1986).

A composite sample was collected from the low-lying area (now filled) in 1986/1987; this sample contained 15 mg/kg PCBs (Raven 1988a). On August 20, 1987, Raven (SCL) sampled the former Boeing storm drain southwest of the low-lying area; it contained 132 mg/kg PCBs. Although not labeled in these early reports, this catch basin was located near the current CB-181B and CB-185.

Three soil samples from the low-lying area were collected at depths of 5 to 7.5 feet bgs during the 2002 Phase II Site Assessment (Bridgewater Group 2002), as well as from an area downgradient of the NBF-FTC (see Section 5.1). Aroclor 1242 was detected in all three samples at concentrations from 0.06 to 6.9 mg/kg. Aroclor 1254 was detected in one sample at 1.1 mg/kg (Bridgewater Group 2002).

### **3.4.7 GTSP-NBF Fence Line Area**

In November 2005, Boeing collected soil samples from the gaps in the retaining wall along the fence line that runs northwest to southeast between the GTSP and NBF (Figure 3-5; S-1 through S-20). The highest PCB concentration in these soil samples was 2,400 mg/kg (Bach 2005e). Additional soil samples from this area were collected by SCL in January 2006 from the locations where PCB concentrations were greater than 1 mg/kg during the November 2005 sampling event. In addition to the soil samples from the gaps in the retaining wall, the city collected surface and subsurface soil from behind the retaining wall near these gaps. PCB concentrations

in soil at the gaps generally ranged from 0.52 mg/kg dry weight (DW) to 58 mg/kg DW, except for sample SCL-J6-F1 (corresponding to Boeing sample S-19), where PCBs were detected at 410 mg/kg DW (SCL 2006). Surface soil from behind the gaps contained PCB concentrations ranging from < 0.033 mg/kg (the detection limit) to 78 mg/kg DW. The January 2006 soil samples were also analyzed for PAHs and petroleum hydrocarbons; cPAHs exceeded the MTCA soil cleanup level in samples SCL-J7, SCL-J5, and SCL-J3 (Table 3-1).

The 2006 interim action trench excavation depths ranged from approximately 1 foot bgs near the southern end of the trench to 3.4 feet bgs near the northern end, and were intended to extend beneath the level of the adjacent pavement and remove the material characterized in the January 2006 sampling event. In subsurface soil, PCBs generally ranged from 0.7 to 63 mg/kg, except for sample location S-19, which contained 3,900 mg/kg PCBs (SCL 2006).

An interim soil cleanup action was conducted by SCL in May 2006 to prevent PCB-contaminated soil from migrating off site (SCL 2006). A strip of contaminated soil along the property boundary was removed; the trench was lined with geotextile fabric and backfilled with clean material. The soil was disposed of as Toxic Substances Control Act (TSCA) remediation waste at the Chemical Waste Management landfill in Arlington, Oregon. Samples collected at the base of the excavation indicate residual PCB contamination at concentrations ranging from 0.08 to 3,800 mg/kg (Figure 3-5). Approximately 47 cubic yards of PCB-contaminated soil was removed (Integral 2006c). Gaps in the retaining wall were later sealed with concrete to prevent the migration of PCB-contaminated soil from the GTSP to the NBF property (Integral 2006d).

### 3.4.8 Soil Boring and Groundwater Monitoring (2006)

During July 27 to August 2, 2006, five soil borings were advanced at locations near the eastern, southern, and western property boundaries (Figure 3-4) (Integral 2006e). Borehole depths ranged from 13.5 feet to 15 feet bgs. Soil samples were collected at approximately 2-foot intervals from each borehole; samples were analyzed for PCBs, SVOCs, cadmium, chromium, hexavalent chromium ( $\text{Cr}^{+6}$ ), mercury, Skydrol components (a hydraulic oil), and TOC and total solids (if sufficient sample volumes were available). In addition, headspace screening was performed for each interval; selected samples were analyzed for VOCs, gasoline (TPH-gasoline), and diesel- and oil-range hydrocarbons (TPH-diesel). Thirty-nine samples were collected; 29 were submitted for analysis and 10 were archived.

Soil sampling results were compared to MTCA Method A or B soil cleanup levels and to EPA soil screening levels for migration to groundwater (EPA Region 9 Preliminary Remediation Goals [PRGs]). Screening levels were exceeded for PCBs (2 locations), cPAHs (cPAHs; 2 locations), and tributyl phosphate (1 location). PCBs were detected at concentrations from < 0.03 to 3.8 mg/kg; the screening level of 1.0 mg/kg was exceeded near the southern drainage ditch (0 to 3 feet bgs) and low-lying area (4 to 6 feet bgs).

Other exceedances of screening levels were found as follows:

- Boring GTSP-1 (northeast side of the Power House) – cPAHs
- Boring GTSP-2 (former Smoke Test Area) – tributyl phosphate
- Boring GTSP-3 (southern drainage ditch) – cadmium, total chromium, cPAHs

- Boring GTSP-4 (along the western fence line) – cPAHs
- Boring GTSP-5 (former low-lying area) – total chromium, TPH-gasoline

Groundwater monitoring wells were installed in each of the five boreholes to evaluate potential groundwater contamination at the GTSP. Groundwater was monitored quarterly for four quarters. No information on groundwater flow direction and gradient was provided. The first round of groundwater samples was collected on August 1-2, 2006. Samples were analyzed for PCBs, SVOCs, TPH-gasoline, TPH-diesel, VOCs, total and dissolved metals (cadmium, chromium, mercury), dissolved Cr+6, Skydrol, and TOC (Integral 2006c). PCBs (Aroclor 1242) were detected only in well GTSP-5 (former low-lying area), at a concentration of 0.24 µg/L (which exceeds the MTCA Method B groundwater cleanup level of 0.044 µg/L). In addition, trichloroethene (TCE) was detected in well GTSP-1 (near the Power House) above the screening level and in GTSP-4 at a concentration below the screening level. Twelve analytes, including cPAHs, were not detected but had detection limits that exceeded the screening levels.

The second round of groundwater sampling was conducted in November 2006. Results show PCBs in GTSP-5 (former low-lying area) at 0.19 µg/L, slightly lower than in August. TCE in GTSP-1 was comparable to the first quarter result. Several analytes were detected in the groundwater monitoring wells at concentrations below screening levels (Integral 2007a). Acenaphthene in SCL-GTSP-5; naphthalene in SCL-GTSP-1, -2, and -5; fluorene in SCL-GTSP-5; tetrachloroethene in SCL-GTSP-1 and -4; TCE in SCL-GTSP-4; and tributyl phosphate in SCL-GTSP-5. Eleven other analytes were not detected but had detection limits above the screening levels.

The third round of groundwater sampling was conducted in February and March 2007. Total PCBs (consisting of Aroclor 1242) were detected above MTCA screening levels in well GTSP-5 and TCE was detected above MTCA screening levels in well GTSP-1. Naphthalene, TCE, tributyl phosphate, and 2-methylnaphthalene were detected below MTCA screening levels (Integral 2007b).

The fourth round of groundwater sampling was conducted in May 2007. TCE was detected above MTCA screening levels in wells GTSP-1 and GTSP-4 and total PCBs were detected above screening levels in well GTSP-5. Naphthalene, acenaphthene, chloroform, tetrachloroethene (PCE), and tributyl phosphate were detected in one or more wells below screening levels. Chemical results were consistent with previous monitoring (Integral 2007c).

Groundwater flow direction during the first three rounds of groundwater sampling (which was conducted during both wet and dry seasons) was generally to the southwest, toward the LDW (Integral 2007b). The groundwater flow direction during the fourth quarterly sampling event (during a transition period between wet and dry seasons), was to the south and southeast (Integral 2007c). Flow directions are shown in Figure 3-6. Additional information regarding groundwater flow gradients is needed to assess the potential for contaminants from the GTSP property to be transported to Slip 4 via groundwater.

### 3.4.9 PCB Sources to Slip 4 Study (2008)

In September 2008, Landau Associates conducted an environmental investigation for Boeing at GTSP and NBF to identify potential PCB sources on the properties (Figure 3-4) (Landau 2008a). At the GTSP, 53 soil borings were advanced in the GTSP yard, including the former low lying area and the southern portion of the property. Sixty-one soil samples (plus three duplicate samples) collected. PCBs were detected in nine samples with concentrations ranging from 0.037 to 6.2 mg/kg.

Eighteen samples were collected in the GTSP building. Eight wipe samples were collected from eight furnace breeches (area where joined furnace vents meet). Four ash and solids samples were collected from the breeches also. PCBs were detected in 10 of the 12 breech samples, with total PCB concentrations ranging from 0.0012 mg/kg to 1.6 mg/kg.

Five solids samples were collected from the condenser pit and discharge tunnel (two samples from the pit, three samples from the tunnel). PCBs were detected in all of the samples. The total PCB concentrations in the condenser pit samples were 1.36 and 1.7 mg/kg. In the discharge tunnel samples, the total PCB concentrations were 23.4, 24, and 28 mg/kg.

One liquid sample was collected from the condenser, taken by opening the condenser and sampling the oil inside. The total PCB concentration of the liquid sample was 0.62 parts per million (ppm) (Landau 2008a).

Two samples were collected from the GTSP Flume where it daylight at the end of the GTSP discharge tunnel on NBF property (NBF08-FLUME1 and NBF08-FLUME2). The total PCB concentrations in these samples were 4.1 and 9.5 mg/kg (Landau 2008a). The locations of the flume samples are not indicated on the figures accompanying Landau's report.

Selected samples were to be analyzed for the full suite of 209 PCB congeners (Exponent 2008). The remaining samples were to be frozen. In addition, two solids samples from the catch basins were sent to the University of Maryland for solids particle characterization. Results were not available at the time this Data Gaps Report was prepared.

### 3.4.10 GTSP Flume Replacement Project

SCL is currently removing and replacing the GTSP Flume as part of Independent Remedial Action in conjunction with the larger effort to clean up the LDW Superfund Site (Ecology 2008d) (Figure 3-7). The project includes the following components (Ecology 2008g):

- Removal of all sediment contained in the flume (about 250 cubic yards)
- Demolition, removal, and backfill of all wooden sections of the flume
- Cleaning of the condenser pit
- Cleaning and filling in of the discharge tunnel
- Plugging of all existing input connections to the flume from adjacent properties

- Installing a new buried storm drain pipe from the historic steam plant to a new outfall structure in Slip 4, with a tide valve that will prevent sediment from entering the new pipe
- Installing infiltration bioswales to treat runoff from the S Myrtle Street right-of-way
- Abandoning the existing buried pipe sections of the flume inside NBF that are not needed for the new storm drain pipe

The project will remove PCB-contaminated soil from two substation sites that are adjacent to the flume. One site, Willow Substation, is an active substation that provides power to a portion of NBF. The other site, Ellis Substation, has been decommissioned and contains no electrical equipment. Approximately 13 cubic yards of soil will be removed from the two substation sites.

During the preliminary engineering for the flume demolition, removal, and drainage project (Rosewater Engineering 2006), it was anticipated that approximately 250 cubic yards of sediment would be removed from the flume (SCL 2008d).

SCL submitted 100 percent design drawings and specifications for the GTSP Flume removal/replacement construction project to Ecology on January 30, 2008 (Herrera 2008b). Ecology approved the project on March 4, 2008 (Edens 2008). Work performed on the lower 400 feet of the flume will be conducted as part of the LDW Superfund cleanup, specifically the Slip 4 Early Action Area Administrative Settlement Agreement and Order on Consent No. 10-2006-0634 with the EPA. The remainder of the work will proceed as an Independent Remedial Action under Ecology's MTCA.

On August 13, 2008, SCL submitted a revised GTSP Flume Outfall Work Plan (SCL 2008a), and a final Work Plan was submitted by SCL to EPA in October 2008 (SCL 2008b). The work sequence reduces the stormwater management requirements by leaving the outfall open throughout most of the flume cleaning process. To prevent tidal inundation, a steel plate is driven through the flume (wooden sections only) into the ground to create a downstream water-tight barrier as the crews work from upstream to downstream, creating isolated work areas. Stormwater within the isolated work area will be routed to a water treatment facility. Stormwater entering the flume downstream of the steel plate will discharge directly to Slip 4 through the open outfall pipe as it did prior to construction. The steel plate will be relocated downstream as the work progresses (Herrera 2008a). Work began in May 2009 and is scheduled to be completed in September 2009 (Herrera 2008a).

Because the flume is part of the Georgetown Steam Plant National Historic Landmark, demolition of the flume requires Section 106 consultation under the National Historic Preservation Act (NHPA) of 1966 (SCL 2008d). In 2009, ENTRIX completed a cultural resources survey for the project, in compliance with Section 106 of the NHPA, The Washington State Environmental Policy Act, and local City of Seattle and King County regulations (ENTRIX 2009).

In conjunction with the Flume Replacement Project, Boeing has re-routed one of the NBF storm drain lines to remove a single catch basin connection to the flume, and has installed new storm drains to control stormwater sheet flow to the flume. This work was completed during summer of 2008 (Parsons 2009).



### **3.5 Summary of Potential Contaminant Sources at GTSP**

Low levels of PCBs have been detected in wipe and ash samples from the GTSP Power House, and in soil samples near the Power House, fuel storage areas, and boiler blowdown ditch. Although PCBs were detected in sediments that had accumulated in the GTSP discharge tunnel at concentrations to 2,500 mg/kg, the sediments were removed and the tunnel opening was blocked in 1985 to prevent water entering the tunnel from tidal action. PCBs were not detected in soils at the former Greely substation in 2001. Because city records indicate that used transformer oil was delivered to the GTSP over a period of several years, the GTSP cannot be ruled out as a potential source of sediment recontamination to Slip 4.

PCBs have been detected in the former low-lying area at concentrations to 91,000 mg/kg in 1985. It is possible that the former Boeing Fire Training Center and ditch may have transported contaminants to this area, or illegal dumping may have occurred. Soils in the low-lying area were excavated from a 40- by 50-foot area to a depth of 3 to 4 feet in 1985; subsequent sampling indicated that the PCB concentrations had been reduced to 11 mg/kg or less.

In November 2005, PCBs were detected in soils from gaps in the retaining wall between GTSP and NBF (Figure 3-5; Table 4-3) at concentrations to 2,400 mg/kg (location S-16). A subsurface sample collected from behind the retaining wall in January 2006 contained 3,900 mg/kg (location SCL-J6). This area was subsequently excavated during the May 2006 interim action to reduce the potential for offsite migration of PCB-contaminated soils. PCBs remain in subsurface soil at concentrations to 3,800 mg/kg (SCL-IA08 at 2.5 feet bgs). The source of PCBs to this area has not been determined.

Metals, PAHs, petroleum hydrocarbons, and VOCs have been detected in samples collected at the GTSP at concentrations above MTCA cleanup levels. In addition, mercury, PCBs, PAHs, and other SVOCs have been detected at concentrations above soil-to-sediment screening levels. These chemicals are listed below.

Tables 3-1 and 3-2 summarize soil and groundwater data for analytes that exceed MTCA cleanup levels and/or soil-to-sediment or groundwater-to-sediment screening levels. Results for all detected chemicals are presented in Tables B-1 and B-2.

Chemicals in Soil and Groundwater at GTSP Above MTCA and/or Screening Levels			
Chemical Class	Chemical	Soil	GW
Metals	Arsenic	◆	
	Chromium	◆	
	Mercury	■	
PAHs	2-Methylnaphthalene	■	
	Acenaphthene	■	
	Benzo(a)anthracene	■	
	Benzo(a)pyrene	◆■	
	Chrysene	■	
	Fluorene	■	
	Naphthalene	■	
	Phenanthrene	■	
	Pyrene	■	
	cPAHs, total	◆	
PCBs	PCB, total	◆■	◆
Other SVOCs	Dibenzofuran	■	
Petroleum Hydrocarbons	TPH-diesel	◆	
	TPH-gasoline	◆	
	TPH-motor oil	◆	
VOCs	TCE		◆

- ◆ Exceeds MTCA Soil or Groundwater Cleanup Level
- Exceeds draft Soil-to-Sediment or Groundwater-to-Sediment screening level (SAIC 2006)

## 4.0 North Boeing Field

Facility Summary: North Boeing Field	
Tax Parcel No.	2924049106, 2924049066, and part of 2824049007
Facility Address	7700 East Marginal Way S Seattle, WA 98108
Facility Owner	The Boeing Company BCAG P.O. Box 3707 Seattle, WA 98124-2207
Property Owner	9106 and 9066: The Boeing Company, Boeing Commercial Airplane Group (BCAG) 9007: King County (leased by Boeing)
Parcel Size	9106: 10.71 acres (466,436 sq ft) 9066: 5.48 acres (238,649 sq ft) 9007: 564.80 acres (24,602,548 sq ft); portion leased by Boeing is approximately 114 acres
Facility/Site ID	2050 (North Boeing Field Georgetown Steam Plant) 2753918 (Boeing North Boeing Field) 2117 (North Boeing Field)
Present Use/SIC Code	Air Terminal and Hangars Aircraft (SIC 3721)
EPA ID No.	WAD980982037
NPDES Permit No.	SO3000226
UST/LUST ID No.	8338 (Inactive)

North Boeing Field is operated by the Boeing Commercial Airplane Group (BCAG) 737 Program (Boeing 2007). Most of the property is owned by King County and leased to Boeing (approximately 114 of 130 acres); the remaining 16 acres is owned by Boeing. The site is located between East Marginal Way S to the west and KCIA to the east. Ellis Avenue forms the northern border and the Federal Aviation Administration (FAA) tower is located to the south. The LDW is located approximately 1,400 feet from the western boundary of the site, and the head of Slip 4 is approximately 150 feet from the northwestern boundary of NBF (Figure 1-1). One main outfall discharges stormwater from the NBF site into Slip 4; a second, smaller outfall, has recently been plugged (see Section 4.1.2).

The entire area within the NBF site is developed. Land use at the site includes office and industrial buildings, aircraft parking, and related facilities (Figure 4-1). Automobile parking areas comprise approximately 36 acres, or 28 percent of the site area; flight line positions and taxiways comprise about 42 acres, or 33 percent of the site area (Boeing 2007). Less than one percent of the site is pervious, including landscaped areas next to some buildings.

Surface drainage is generally defined by the slopes of paved areas, building locations, and the storm drain system, which consists of a network of catch basins, manholes, and pipes ranging from 4 inches to 48 inches in diameter.

## 4.1 Current Operations

Primary industrial activities at NBF include aircraft finishing and testing; research and development of Boeing military and commercial aircraft; and support services. Aircraft finishing activities involve wet sanding, cleaning, and painting of airplanes. Testing of airplane parts, both assembled and unassembled, occurs throughout the site. Testing procedures include: stress testing of parts; pressurized testing of hydraulic parts; jet fuel testing; testing of aircraft water distribution and wastewater collection systems; and fire suppression system testing (Boeing 2007). Research and development groups at NBF have separate specialized testing operations. Support operations include photographic laboratories, metalworking, woodworking, and a wastewater treatment plant.

There are approximately 80 buildings located on the NBF site. Table C-1 (in Appendix C) presents a list of these buildings at NBF and their current uses (Boeing 2008). Boeing's PEL area is located in the northern portion of the NBF site; Flight Test and Operations are located in the central portion of the site; and the recently constructed Tent Hangars are located in the southern portion of the site (Figure 4-1).

According to a November 16, 2005, letter from Boeing to Ecology (Boeing 2005b), the only known existing use of PCBs at NBF was that associated with the joint sealant materials (see discussion below). Oil within compressed air systems at NBF has been found to contain low concentrations of PCBs, and transformers at NBF may contain PCBs as a result of the possible previous use of PCB-containing oil. Oil in compressed air systems has been tested and found to contain PCBs at concentrations less than 50 mg/kg. (Transformers manufactured prior to 1978 are allowed to contain concentrations of PCBs up to 50 mg/kg.) Some older transformers containing PCBs at concentrations less than 50 mg/kg may be present in portions of NBF (Boeing 2005b).

### 4.1.1 Permits

NBF operates under the following permits and authorizations:

- Industrial Stormwater General Permit (No. SO3-000226), expiring December 31, 2009.
- KCIW Permit No. 7594, expiring May 12, 2010.
- Resource Conservation and Recovery Act (RCRA) identification number WAD 980982037. NBF is a large quantity generator of hazardous waste.
- Air Operating Permit No. 21147 (covers NBF and Boeing Plant 2), expired May 20, 2007. Boeing had submitted an application for renewal to the Puget Sound Clean Air Agency (PSCAA) in 2006 and received a Notice of Construction (NOC). PSCAA has been working on a permit renewal since that time.

In addition, Boeing previously operated under NPDES Permit No. WA-000086-8. An industrial water discharge survey was conducted for the NBF site in March 1994; several sources of process and condensate water to the storm drain system were discovered. These included six condensate discharges, four sources of vacuum pump seal water, and process water from a parts washer, sink, and hot water storage tank (Boeing 1994). A letter from Boeing dated December

7, 1994, stated that all known sources of non-contact cooling water (NCCW) had been eliminated from the site (Boeing 1994k). An Ecology compliance inspection on January 24, 1995, indicated that permit cancellation is in order as a result of Boeing's elimination of all point source discharges to the stormwater system (Ecology 1995).

Under the Industrial Stormwater General Permit, annual dry weather inspections are performed to identify unpermitted non-stormwater discharges, such as domestic wastewater, NCCW, or process wastewater. Quarterly discharge visual inspections and discharge monitoring are performed to look for evidence of pollution in the storm drain system, and to ensure that best management practices (BMPs) are being implemented.

During a KCIW inspection on March 2, 2005, in support of renewal of Permit No. 7594, facility condition and housekeeping were judged to be very good to excellent at all areas observed (King County 2005b). The facility's compliance history was noted as "excellent" in a KCIW Company Fact Sheet dated March 25, 2005 (King County 2005b). NBF has consistently been awarded the KCIW "Gold Award."

The following types of wastewater are discharged to the sanitary sewer system: rinse water from coating (alodining) and paint stripping operations, airplane wash water, film processing rinse waters and treated solutions, rinse from aqueous degreaser, discharge from oil/water separator cleaning, discharges from a carbon ultrafiltration system, and sweeper dump filtration system effluent (King County 2005a, 2005b). A pretreatment system includes metals reduction, pH neutralization, and carbon ultrafiltration.

Four discharge sites were identified in the most recent KCIW permit:

- Building 3-369 Paint Hanger
- Outdoor plane wash stalls
- Building 7-027 Aqueous Cleaner Building (scheduled to cease operations in mid-2005)
- Sweeper dump vault

Self-monitoring requirements include metals; pH; fats, oil, and grease (FOG); discharge volume; settleable solids; PCBs; and total toxic organics (TTO). A draft permit issued on March 25, 2005, allows the discharge of up to 26,225 gallons per day (gpd) of miscellaneous discharges including blowdown, fire suppression system testing, general maintenance water, jet propulsion testing water, ground water, and construction dewatering (King County 2005c). Additional monitoring is required for the PEL Building 3-333 retention vault discharge location area in the northern portion of NBF (cadmium, chromium, copper, lead, nickel, zinc, benzene, toluene, and ethylbenzene) and groundwater/construction dewatering (same parameters), as well as any other parameter that Boeing has reason to believe might be present. Treated wastewater from the sweeper vault carbon ultrafiltration system discharge site that may contain PCBs must also be tested prior to discharge. Some offsite water is approved for discharge: Building 2-122 laboratory and tankline wastewaters; Building 4-83 wastewater treatment plant wastewaters; and miscellaneous groundwater and mop water from Boeing Plant 2 and Developmental Center facilities (King County 2005c).

Ecology conducted a stormwater compliance inspection at NBF on December 16, 2005 (Ecology 2005b). The inspection report recommended that Boeing continue working with Ecology's Toxics Cleanup Program to determine the source of PCBs detected in some of the NBF catch basins, and expressed concern about total zinc concentrations at NBF's monitoring location, which exceeded the benchmark value described in Industrial Stormwater General Permit condition S4.D.2 for the previous five quarters. The report requested that Boeing take appropriate action to comply with this permit condition.

#### **4.1.2 Site Drainage**

The layout of NBF's storm drain system is shown in Figure 4-2. The storm drain system serves a large geographical area, including non-Boeing industrial operations on the north and east sides of the airfield (Landau 1993a).

Storm drain system piping ranges in diameter from 4 to 48 inches, and includes over 600 storm drain structures, including catch basins, manholes, inlets, and oil/water separators. The catch basins and manholes are both circular and rectangular structures of various sizes and ages, constructed of concrete. Some of the older structures have wooden or clay floors. The total length of the system is estimated at 7 to 8 miles, of which approximately 17 percent is greater than 24 inches in diameter (Landau 1993b). The system contains up to 16 oil/water separators and lift stations, as well as parking lot channel drains and roof drains from a number of buildings.

The storm drain system at KCIA and NBF (Figure 2-1) has been modified numerous times over the years. Runoff from the portions of NBF currently served by the north lateral storm drain line and other areas of NBF immediately adjacent to the GTSP Flume was originally discharged to the flume. In 1985, SCL conducted a survey of the flume in preparation for cleaning and found many storm drains and industrial wastewater discharges entering the flume. When the flume was cleaned, most of these pipes were plugged and runoff/wastewater was diverted to other systems. One pipe from NBF, a 15-inch pipe that ran parallel to the GTSP fenceline (now part of the north lateral storm drain line) remained connected to the flume; sometime between 1998 and 1990, this pipe was plugged and runoff was directed to the NBF storm drain system.

In 1990, prior to construction of Building 3-380, Boeing diverted runoff from approximately 120 acres at the north end of KCIA/NBF to the KCIA SD#3 system; this change also redirected emergency overflows from the City's EOF pump station #44 to the KCIA SD#3. Prior to 1990, runoff from this portion of the airport and pump station EOFs discharged to Slip 4 via the NBF Storm Drain.

Most of the drainage flow for the NBF storm drain system is directed toward a 60-inch trunk line which passes under East Marginal Way S and discharges into Slip 4 at KC Airport SD#3/PS44 EOF (identified by Boeing as Outfall No. 1). This line drains an area of about 157 acres of NBF and 171 acres off site (Boeing 2007).

Most areas of the NBF site drain to one of four lateral storm drain lines: the north lateral, the north-central lateral (also known as Central Lateral #2), the south-central lateral (also known as Central Lateral #1), and the south lateral (Figure 4-2). In addition, a parking lot adjacent to East

Marginal Way S also drains to KC Airport SD #3/PS44 EOF. In addition, an area of about one acre on the north end of NBF previously drained to a second trunk line which passed under East Marginal Way S and discharged into Slip 4 via the NBF Storm Drain (identified by Boeing as Outfall No. 2). According to Boeing, this line has been plugged (Bach 2009a), and this area now drains to KC Airport SD #3/PS44 EOF.

The offsite areas that discharge to the KC Airport SD#3/PS44 EOF upstream of NBF include (Boeing 2007):

- A 30.6-acre area that includes the Air National Guard buildings, the King County Airport Maintenance Shop, and parts of KCIA located west, north, and northeast of the GTSP; drainage from this area enters the NBF site near Bldg 3-323 through a 24-inch line.
- A 49.7-acre area that includes clear zones at the northern end of the airport, north ends of the runways, a portion of northeastern KCIA (including a fuel station), and the T-hangars adjacent to East Perimeter Road; drainage from this area enters the NBF site storm drainage system through an 18-inch diameter conduit near stall A-6 on the flightline.
- A 56.3-acre area that includes 190 feet of the north end of the 13R-13L runway and the small airplane parking areas and hangars adjacent to East Perimeter Road; these connect to the NBF site storm drainage system through a 36-inch diameter pipe near stall B-8 on the flightline.
- A 34.4-acre area that includes 750 feet of runway 13R-13L, 900 feet of runway 13L-31R, east taxiway areas and loading aprons, and terminal, north annex, and administration buildings; drainage from this area enter the NBF site storm drainage system through a 36-inch diameter pipe near stall B-11 on the flightline.

Stormwater from a small area on the north side of Bldg 3-360 and surrounding automobile parking lot drains into the WSDOT drainage system along Ellis Avenue (Boeing 2007). A small segment of the storm drainage on the northern edge of the field is directed into the 72-inch I-5 Storm Drain, which also discharges to Slip 4. Runoff from another segment of the southern portion of NBF is directed to a 48-inch trunk line, which discharges into the LDW south of Slip 4.

Prior to its discharge to Slip 4, most of the NBF storm drainage is directed through a lift station, operated by King County (Figure 4-2). The lift station (Building 3-395) was built in 1941, according to King County Airport maintenance engineers (Landau 1993a). According to the King County engineers, tidal backwash into the storm drain system above the lift station is not possible.

An inspection of the lift station by Landau Associates on September 2, 1992, obtained the following information (Landau 1993a): the pump system is activated when the surface of stormwater in the reservoir under the lift station rises to an elevation of 2.60 feet, National Geodetic Vertical Datum (NGVD). The pump system is deactivated when the water surface in the reservoir lowers to 1.35 feet NGVD. A comparison of the invert elevations at sampling locations to reservoir water elevations allows a determination of the approximate extent of water backup in the system. Invert elevations were determined in 1993 for manholes and catch basins,

as well as sample locations from the April 1993 storm drain system PCB sampling effort (Landau 1993a).

A main storm drain line, which drained approximately 120 acres at the north end of the airport and NBF, was rerouted through the lift station in 1990, prior to construction of Building 3-380 (Landau 1993a). Prior to this date, the storm drain line discharged to Outfall No. 2, without passing through the lift station. Based on comparison of invert elevations in this line to tidal elevations in the Duwamish Waterway, Landau (1993a) concluded that tidal backwash may have occurred to a significant extent in this line prior to its rerouting through the lift station.

Boeing cleans storm drain catch basins annually (Boeing 2005b). Solids are removed by a vacuum truck with the application of rinse water. Other structures, such as oil/water separators, are cleaned less frequently, as needed. Recent cleanout of storm drain lines is discussed in Section 4.4.

Non-stormwater sources of water to the storm drain system at NBF include (Boeing 2007):

- **Fire System Test Water:** Potable city water from Buildings 3-354 (9,000 gallons per year) and 3-397 (90,000 gallons per year) is discharged once per year, usually during the summer.
- **Flightline Utilidors:** Rain water and solids that enters utilidors through openings comprises about 5,000 gallons per year; the utilidors are located at the rear of the blast fences.
- **Airplane Potable Water System:** About 40 to 60 gallons of potable city water per airplane at flightline Concourses A, B, and C is discharged during 3-day interval draining and re-servicing of passenger water systems on the airplanes. The potable water is discharged to the ground for dechlorination prior to entering the catch basin; all flightline position catch basins drain to coalescing plate oil/water separators.
- **Airplane Flight Test Ballast Water:** Approximately 500 to 2,000 gallons of potable city water, used for ballast on flight test airplanes, are drained from each plane.
- **Wind Tunnel Exhaust:** Compressed air is blown through the Wind Tunnel; prior to discharge, the air flows through a condenser and separator, but a small amount (less than 10 gallons per year) of oil and grease passes through and is deposited on the pavement at the east end of Building 3-368. There is an oil/water separator in this area.

### 4.1.3 Potential Industrial Pollutant Sources

Potential stormwater pollutant sources are identified in Boeing's NPDES Form 2F for North Boeing Field, prepared in 1994 (Boeing 1994j). To better characterize runoff from the site, seven sampling locations (in addition to Outfall No. 001) were selected, including three sampling sites to collect runoff from offsite sources and four sampling sites to collect runoff from areas representative of the major onsite industrial activities. Stormwater sampling at these locations in 1994 indicated the presence of volatile organic compounds (VOCs, particularly methylene chloride), phthalates, and PAHs (Boeing 1994j). Follow-up sampling for methylene chloride is described in Section 4.4.



Additional information on stormwater pollutant sources is presented in the NBF Stormwater Pollution Prevention Plan (SWPPP) (Boeing 2007), dated March 2007. Tanks and waste/product storage locations are shown in Figure 4-3 (Boeing 2004b). These and other industrial pollutant sources are described below.

#### **4.1.3.1 Loading and Unloading**

There are several authorized areas for the loading and unloading of both hazardous and non-hazardous new materials (with the exception of bulk liquid material). Spent hazardous and non-hazardous materials are shipped off site. Bulk liquid material is delivered by vendors directly to the holding tanks. Most of these areas represent a potential source of pollutants as there are only a few covered and permanently contained loading and unloading areas. Few reported spills have occurred in these areas (Boeing 2007).

#### **4.1.3.2 Materials Storage and Management**

There are 13 storage stations that contain hazardous or liquid chemical materials at NBF; these are located within the Outfall No. 001 drainage basin (Boeing 2007). Outdoor materials storage areas (other than aboveground or underground tanks) are roofed and equipped with secondary containment. Tank storage areas comply with all regulatory requirements, including secondary containment and failsafe controls.

The Central Dangerous Waste Accumulation Area (CDWAA) is located in Building 3-313; this area is used for less than 90-day accumulation of dangerous waste from satellite areas within the plant. The CDWAA is roofed and the loading area is covered. Dangerous waste is segregated by waste type in separate dedicated accumulation cells. Floors in each cell are sloped to separate dead-end sumps. Floors have appropriate chemical-resistant coatings.

Container accumulation areas are located at Building 3-369 (Paint Hangar), Building 3-822 (Fuel Farm), and Building 3-354 (Hydraulic Shop), as well as mobile carts located on the flight line service aprons. Container accumulation areas are roofed or have stormwater protection provided, such as berms or plastic tarps. Hazardous material storage areas have secondary containment with sufficient volume to contain 110 percent of the volume of the largest container, or 10 percent of all containers, whichever is greater.

Airplane and fuselage sections are temporarily stored within the Outfall 1 drainage basin, including in service apron areas and adjacent to Building 3-369 (Paint Hangar).

There are 31 aboveground oil storage tanks at NBF (Figure 4-3) for storage of oily wastewater, reclaimable oil, jet fuel, waste fuel, diesel, Jet A, PS-300, and hydraulic oil. In addition, the 1994 NPDES Form 2F identifies five USTs: three (UBF-4, UBF-5, and UBF-6) are located at Building 3-353 and contain recycled jet fuel, aviation gasoline, and Jet A; one (UBF-40) is located at Building 3-832 (unleaded gasoline); and one (UBF-61) is located at the fueling station, Building 3-470 (unleaded gasoline). Additional oil storage units include fuel trucks, portable tanks, mobile tanks, and drums.

All of the aboveground waste storage tanks are provided with secondary containment and are inspected daily. These tanks are equipped with overflow alarms (visual and/or audible), interstitial detection systems, and most are electrically connected to the site emergency monitoring and control system. The rest of the tanks (underground and aboveground) are inspected weekly. The adjacent storm drains either have emergency shut-off valves or drain covers. The potential pollution risks associated with these operations are posed by vendors that deliver products to or remove wastes from these tanks and do not follow the instructions posted at the tanks for drain coverage, or leave the tanker unattended during operations.

Boeing employs a variety of materials management practices designed to minimize contact of these materials with stormwater (Boeing 2007). These include the following:

- Industrial activities, such as engine component testing, aircraft painting, and research and development activities, take place inside buildings or within contained areas.
- Transportation personnel and hazardous waste operators are trained in procedures for proper handling and packaging of hazardous materials and hazardous waste, such as segregation of incompatible materials, compatible packaging materials, proper flammable materials storage, and labeling requirements.
- Underground storage tanks meet Ecology requirements per WAC 173-360.
- Container accumulation and material storage areas are roofed or have stormwater protection such as berms or plastic tarps. Hazardous materials storage areas have adequate secondary containment.
- Boeing has developed and implemented a Hazardous Waste Management Plan and a Spill Prevention, Control and Countermeasure (SPCC) Plan. All emergency response plans are consolidated into the North Boeing Field Comprehensive Contingency Plan and Quick Emergency Response Guide.
- All Boeing and Boeing-contracted personnel who handle, transport, monitor, or manage hazardous materials or hazardous waste on Boeing property are trained to ensure that management of hazardous waste and materials are conducted legally and safely.
- Contractors are required to conduct work and store materials and equipment in a manner to protect stormwater runoff as directed by the Hazardous Waste Management Plan.

#### **4.1.3.3 Outdoor Manufacturing Processes**

Outdoor manufacturing processes consist of fueling and defueling aircraft, deicing at the wash stall (C-13), and performing engine preflight and avionics testing. Minor processes consist of cosmetic work such as touch-up painting, chemical cleaning, and interior work. Potential pollutants from the outdoor manufacturing processes that are susceptible to stormwater runoff are fats, oils, grease, and organics (Boeing 2007).

#### **4.1.3.4 Air Emissions**

Dust/particulate generating processes occur at the carpenter shop in Building 3-365 and the welding shop in Building 3-350. There is one trash compactor used for spent paper baling in Building 3-380. These operations generate very little dust during operation (Boeing 2007).

Approximately 12 percent of the impervious surface at NBF consists of rooftops. Air emissions from the paint hangars, paint booths, and shops in Building 3-818 may settle on rooftops and be transported to the storm drain system when it rains. The roof runoff from these processes drains to the NBF storm drain system.

#### **4.1.3.5 Vehicle/Equipment Washing and Steam Cleaning**

Aircraft deicing and large vehicle and equipment washing occur at the C-13 Wash Stall. The wash stall discharges to the sanitary sewer unless it is determined that the water would fail the King County Department of Natural Resources discharge standards; in that case, the water is transported to the onsite wastewater treatment plant for processing.

In January 1990, Boeing requested permission from Ecology to discharge propylene glycol deicing fluid to the storm drain system (Ecology 1990b). This request was denied, and Boeing was directed to discharge all deicing fluid runoff from NBF to the sanitary sewer via the airplane wash stall (Ecology 1990c).

There is a protected wash area at Building 3-354, which is located adjacent to the automotive maintenance shop, for vehicle and equipment steam cleaning. The wastewater pumped into tank ABF-160 is regularly shipped to an approved waste treatment facility for proper treatment and disposal.

A fuel truck maintenance and washing area is located on a specially constructed concrete pad at the south side of Building 3-822. The water passes through an oil/water separator before discharging into the sanitary sewer.

#### **4.1.3.6 Onsite Treatment, Storage, and Disposal**

NBF has a wastewater pretreatment system, located in Building 3-369, that is used to treat process wastewaters and other treatable hazardous waste. Stormwater drainage from the treatment plant, including the loading area, is processed through the treatment plant and discharged to the sanitary sewer.

#### **4.1.3.7 Surface Runoff from Paved Surfaces**

Boeing conducts daily sweeping at the NBF flight line, on both first and second shifts. No sweeping is conducted on a stall that is occupied; however, each stall is swept at least once per week. Sweeping is also conducted in response to a call to the dispatcher, such as after a plane has been pulled out of a stall if another plane is scheduled to occupy that stall (Keller 2006b).

The sweeping waste is collected and managed as follows (Keller 2006a,b):

- Water is separated from the solid material; the water is treated and discharged in accordance with Boeing's industrial wastewater permit from King County Department of Natural Resources and Parks.
- Solids are placed in roll-off containers and disposed of as appropriate.

Boeing shipped three roll-off containers of sweeping waste in 2008, averaging approximately 11 tons each. This material has been sampled for waste characterization purposes. The most recent sample was in June 11, 2008. PCBs were detected in the sweeping waste at a concentration of 0.6 mg/kg (Bach 2009c).

#### **4.1.3.8 Other Sources**

Fertilizers, herbicides, and insecticides are utilized at NBF (Boeing 1994j). Lawn areas, plants, shrubs, trees, and planter boxes are fertilized several times per year. Herbicides are applied for weed control to lawn areas, planting beds, and trees in lawn areas. Insecticides are applied to trees and shrubs in landscaped areas around buildings and adjacent to East Marginal Way S. A variety of chemicals may be used for these purposes.

Recent studies have identified building materials, particularly caulking materials around windows and doors, as potential sources of PCBs to the environment. None of these studies were conducted at NBF, and there is no information to indicate that PCBs were used in building materials at NBF. A 2004 study of 24 buildings in the Greater Boston area found one-third (8 of 24) buildings sampled to contain caulking materials with >50 mg/kg PCBs (Herrick et al. 2004). Similar results have been observed by investigators in Germany, Finland, Sweden, and Switzerland; PCB concentrations as high as 550,000 mg/kg have been measured. Grinding and removal of old caulk may result in soil contamination. A 2005 study (Priha and Sorvari 2005) sampled soil around 11 buildings from PCB-caulking had been removed; total PCB concentrations in soil were reported at 0.11 to 26.9 mg/kg. To assess whether natural weathering and deterioration of caulking material may contribute to PCB contamination in soil, Herrick et al. measured PCB concentrations in walls where the caulking had apparently never been disturbed (Herrick et al. 2007). PCB soil contamination was found (3.3 to 34 mg/kg), and results of Toxic Characteristic Leaching Procedure (TCLP) testing demonstrated that PCBs are readily mobilized from the caulking material. These findings suggest that the most likely cause of soil contamination around these PCB-containing buildings is natural weathering.

Environmental investigations and cleanups associated with the caulking material used to fill concrete expansion joints at NBF are described in Section 4.5.

## **4.2 Historical Operations**

Boeing operations have been in place at NBF since the 1940s; however, little information on historical operations prior to the 1970s was found. Numerous structures have been built and demolished over the years, making it difficult to track historical operations in any detail. Information available in the files is summarized below.

A summary of structures at NBF, including maps and aerial photographs from 1944 to 2008, is presented in Appendix C.

### **4.2.1 Site History**

The table below summarizes the historical operations at NBF, particularly information relevant to the potential for contamination of soil, groundwater, or stormwater at the site.

Year	Activity
1953	The wooden flume was re-routed to its current configuration with two concrete pipe sections to allow for the construction of Building 3-318 and 3-319 (these buildings were demolished and replaced with Building 3-333 in 1996 [Bach 2006b]).
1953	Beginning in 1953 and 1955, The Boeing Company leased property from SCL, including areas adjacent to the GTSP Flume. A 1954 facility drawing indicates that an oil-filled sump and transformers were present on the property (Bach 2006g). These are listed as “to be removed by others”; it is not known whether these transformers contained PCBs. During 1954, Boeing began the construction of buildings in the leased area, including a fuel test laboratory.
1954	In 1954, the City of Seattle permitted Boeing to connect a catch basin to a 24-inch City of Seattle sewer line located west of the steam plant building (Bridgewater Group 2000). It is not clear whether this was a sanitary sewer or a storm drain.
1969	A 1969 letter indicates that Boeing discharged 600 gallons per minute (gpm) of coolant waters to the GTSP Flume (City of Seattle 1969). In March 1969, Boeing was permitted to discharge an additional 100 gpm of coolant water to the flume (Seattle Public Works 1969).
1970	A Water Pollution Control Commission (WPCC) inspection on April 19, 1970, identified several problems associated with the complicated storm drain and sanitary/combined sewer systems (WPCC 1970). Specifically, the inspector was concerned with contaminated discharge to the storm drain from airplane wash-down on the apron wash areas, located next to the blast fence and the Commercial Delivery Center apron. He recommended diversion of flow from the catch basins in these two areas to the sanitary sewer during washing events. He also recommended regular inspection of oil/water separators and detention tanks, designation of specific areas for handling and storage of chemical compounds and solvents with collection of drainage from these areas in a no-outlet sump, and other general improvements in housekeeping to prevent discharge of pollutants to the ground surface or the storm drain system.
1970s	At this time, the facility was using approximately 135 gallons of mixed solvents (isopropyl alcohol, methyl ethyl ketone, normal butyl alcohol, and toluene) per day to strip and clean planes for painting in the Paint Hangar (Building 3-369). About 20 percent of this solvent mixture was being washed to the sanitary sewer with the wash water (Boeing 2001b).
1979-1980	According to letter from Boeing to Metro (Boeing 1983), nine PCB transformers had been in use at the site; these were removed from service and disposed of to licensed hazardous waste disposal contractors in 1979 and 1980. Boeing found no records of leakage from these units. In addition, a piece of test equipment that contained 30 gallons of PCBs was stored at NBF; this equipment was also removed and disposed of in 1979 (Boeing 1983). No leaks were evident at the time of disposal, and no record or evidence of spills from this unit were identified.
Early 1980s	PCBs were detected in the GTSP Flume and NBF storm drain, which was tributary to the flume until the early 1980s, when runoff from NBF was diverted to the King County Airport storm drain system (KCIA SD#3/PS44 EOF) (Raven 1984b, Raven 1984c, Raven 1985b).
1983	In a letter from Boeing Commercial Airplane Company to Metro, dated April 25, 1983, Boeing asserted that an investigation of Boeing Company activities had been conducted to identify potential sources of PCBs to the GTSP Flume (Boeing 1983). No sources were identified at that time. Boeing indicated that PCBs were never used as a hydraulic fluid in Boeing commercial or military airplanes, and no other known or suggested sources of PCBs were present. The letter also indicated that Boeing discharges NCCW from air compressors to the flume (Boeing 1983). In addition, some surface runoff drains from NBF to the flume.
1984	In August 1984, EPA identified NBF as a potential hazardous waste site based on sampling of storm drains conducted by Metro in 1982. Storm drains at NBF and in sediments from the GTSP Flume, which crosses the property, contained high levels of PCBs (USEPA 1984). Sampling by Boeing in May 1984 confirmed PCB contamination. An unlined fire pit where fuel is burned was also identified as a potential source of contamination.
1984	In 1984, Boeing proposed to clean the PCB-contaminated storm drain, which is tributary to the GTSP Flume. (Note: from the documents reviewed, it is not clear specifically which storm drain line is referred to.) Permission was requested by Boeing to discharge pre-treatment cleanup water to the sanitary sewer (Metro 1984b).

Year	Activity
1985	The NBF facility apparently had been issued a Metro discharge permit (No. 7180) sometime prior to April 1985 (Boeing 1985).
1985	On April 23, 1985, Boeing applied for an NPDES stormwater discharge permit for the NBF site (Boeing 1985) for point source discharges (rooftop drains, street and parking areas, and paved airport areas). Approximately 93 percent of the 148-acre site was identified as paved. The application indicated that there are multiple points of NBF discharge to storm drain systems and the GTSP Flume (Boeing 1985).
1985	A letter from Metro to Boeing, dated November 14, 1985, described sewer connections associated with two oil/water separators at NBF. At the request of SCL, a dye test was performed on November 6, 1985, in the vicinity of an oil/water separator near Building 3-404, which was suspected of containing PCB oil. Metro inspectors found that a sanitary sewer manhole located 15 feet due south from the Building 3-404 oil/water separator had been inadvertently plumbed to the separator, which is normally connected to the storm drain system (Metro 1985c). This cross connection would result in sanitary sewage discharges to Slip 4. At the time of the inspection, the Building 3-404 oil/water separator discharged to the Building 3-302 oil/water separator, which had been dug up, the discharge line to the flume had been blocked off, and a temporary surface line to a sanitary manhole on the west side of Building 3-323 had been installed (Metro 1985c). This diversion had been implemented to facilitate cleaning of the GTSP Flume.
1985	During the same inspection, Metro observed an unbermed 10,000-gallon tank of methylene chloride at the northeast corner of Building 3-318, within 20 feet of the GTSP Flume (Metro 1985c).
1987	A letter from Ecology to Boeing dated July 28, 1987, indicated that modifications to the Industrial Wastewater Treatment Plant (Building 3-369) were nearing completion, and that Boeing intended to begin discharge to the Metro sewer system on August 1, 1987 (Ecology 1987b).
1988	On June 15, 1988, Boeing submitted an application for renewal of NPDES Permit No. WA-000086-8 (Boeing 1988a) for NCCW and stormwater runoff at the site. Boeing indicated in the cover letter that they no longer discharge stormwater to the GTSP Flume; all runoff from NBF now enters Slip 4 through the King County lift station or the 24-inch Outfall 002 (Boeing 1988a). (Note: active connections to the flume from NBF were discovered as recently as 2005.) During its review of the draft permit, the Washington Department of Natural Resources (WDNR) expressed concern that stormwater and other sources of contaminated sediments will be released to state-owned aquatic lands without elimination or significant reduction in the quantity of those sediments prior to discharge (Boeing 2001a).
1989	<p>On March 10, 1989, Ecology conducted an inspection of the NBF site. Operations were satisfactory and in compliance with permit conditions (WA-000086-8). The inspector, Pam Elardo, identified apparent discrepancies in Boeing's permit renewal application (Ecology 1989a). According to the permit application, Outfall 001 receives storm and cooling water and is sampled at the catchment basin adjacent to the King County Lift Station; Outfall 002 receives only stormwater. However, recent construction rerouted 002 stormwater to the lift station, thus leaving that outfall dry. The inspection report referred to past problems with low pH, high pH, and temperature. Apparently, the temperature issues were related to water stagnating in the GTSP Flume in the summertime before discharge.</p> <p>Other observations during the inspection included: (1) a visible sheen and some surface foaming at the King County lift station (the permit renewal application indicates a maximum oil and grease of 30 mg/L, above the standard 15 mg/L limitation); (2) the facility has an excellent spill prevention and contingency program (Ecology 1989a); (3) An inside drain at Famco, a potential offsite source, appears to drain to the sanitary sewer, but this could not be confirmed; and (4) KCIA, another potential offsite source, has several oil/water separators, which serve as spill protection.</p>
1989	Permit No. WA-000086-8 was reissued on December 8, 1989, for the discharge of NCCW and stormwater runoff to the Duwamish River via outfalls 001 and 002, with an expiration date of December 7, 1994 (Ecology 1989d). The permit contained effluent limitations for flow of 350,000 gpd monthly average and 500,000 gpd daily maximum flows from outfall 001 (Ecology 1995). The permit also required a complete inventory of cooling water discharges and an investigation of options for reduction, reuse, recycle, and elimination.

Year	Activity
1990	A Metro discharge permit (No. 7594) was issued to Boeing Commercial Airplanes-North Boeing Field on May 11, 1990, for discharges associated with aircraft finishing, research and development, and testing and support operations (Metro 1990a). Types of waste generated included heavy metals, phenol, and toxic VOCs from airplane painting and stripping operations, photo processing, and airplane washing. The discharge volume at that time was 57,160 gpd.
1990	Boeing conducted a study in 1990 to identify sources of NCCW discharging to the storm drain at NBF, which may be reasonably converted to closed-loop systems (Boeing 1990b). The study identified a total of 479,210 gpd that will no longer discharge to the storm drain, or approximately 94 percent of the existing sources.
1992	<p>In August 1992, Ecology ranked the NBF site using its WARM ranking matrix. The facility was given an overall score of “5,” which is the lowest priority category (Ecology 1992b). This ranking was based on the following considerations:</p> <ul style="list-style-type: none"> <li>○ Boeing has made a concerted effort to clean up contaminants on the site; several cleanup programs have taken place or are in progress.</li> <li>○ Lead and PCBs have been removed from the accessible parts of the site (Fire Training Center and storm drains).</li> <li>○ The lead and PCBs that remain are not available to human or environmental routes since they are located beneath buildings and other inaccessible areas.</li> <li>○ Most of the diesel spills have been addressed; petroleum contamination of groundwater is being addressed.</li> <li>○ The surface water route was not scored because “Boeing has cleaned up the contamination associated with the storm drains, the Fire Training Center, and other surface spills.”</li> <li>○ Most of the site is paved, asphalted, and covered with buildings.</li> </ul>
1992	On September 28, 1992, Boeing submitted a Notice of Intent (NOI) for acceptance of Ecology’s Baseline General Permit to discharge stormwater associated with industrial activity at NBF (Boeing 1992i). KCIA, as the property owner, elected to become a co-permittee for the facility permit. Coverage under the Storm Water Baseline General Permit was issued by Ecology on November 18, 1992 (Permit No. SO3-000226, expiring November 18, 1995) (Ecology 1992d).
1993	In March 1993, a cooling tower located in the Power Plant Test Center was put into operation (Boeing 1994b). As a result of the installation, the amount of NCCW was significantly reduced and the discharge of NCCW to the Duwamish River was less than 100,000 gpd, down from a maximum of 500,000 gpd in 1989.
1993	On April 21, 1993, Boeing was granted authorization to discharge groundwater to the sanitary sewer during construction at NBF. This approval was extended through October 31, 1993 (METRO 1993).
1994	A survey of stormwater discharges was conducted in the spring of 1994. Sources of process and condensate water, discovered during the survey, were redirected to the sanitary sewer (Boeing 1994i). Significant reductions in cooling water discharge were accomplished through the installation of a cooling tower for the propulsion laboratory. This cooling tower services the cooling needs for numerous pieces of equipment including vacuum pumps, compressors, and steam generation systems. By late 1994, the cooling water flow was reduced to less than 40,000 gpd (Ecology 1995).
1994	Many small intermittent cooling water sources have been diverted to the sanitary sewer and are covered under the facility’s Metro permit. The discharge of steam condensate wastewater to the storm drain was discovered as part of the March 1994 stormwater survey (Ecology 1995). These sources have been eliminated. Vacuum pump seal water sources were also discovered during the survey and have since been replumbed to recirculation systems. (No information was available regarding any sampling of the vacuum pump seal water.) As a result of these efforts, NBF achieved zero discharge as of November 1994 (Ecology 1995).
1994	Discharge monitoring reports for July through September 1994 indicated two out-of-limit benzene, toluene, ethylbenzene, and xylenes (BTEX) conditions at Outfall 001 (Boeing 1994i).

Year	Activity
1994	<p>In August 1994, Ecology revised its WARM ranking matrix; as a result, the NBF site was re-ranked; however, it was still identified as a rank of “5,” which is the lowest priority category. This ranking was a result of the presence of TPH and arsenic in groundwater, and the potential that PCBs and lead remain in inaccessible site soils (Ecology 1994c).</p>
1994	<p>Boeing’s individual NPDES permit (No. WA-000086-8) was set to expire on December 7, 1994 (Boeing 1994c). Because Boeing planned to eliminate all NCCW discharges at the site by December 1994, they decided not to request renewal of this permit. Stormwater discharges would continue to be covered under the facility’s baseline general permit for stormwater. Ecology indicated that completion of a Form 2F would be required to determine whether an individual stormwater permit was required for the facility, and whether to terminate or renew this permit (Boeing 1994c). To support preparation of the Form 2F, Boeing collected stormwater samples to characterize the waters generated by Boeing (Boeing 1994c) and selected to be representative of the major activities occurring at NBF.</p> <p>VOCs, including BTEX, methyl ethyl ketone (MEK), methylene chloride, chloroform, and/or TCE were detected in the flow-weighted composite samples from several of the sampled outfalls:</p> <ul style="list-style-type: none"> <li>○ Outfall No. 1: What leaves the site and enters Slip 4; includes stormwater contributions from all sources within the NBF boundaries north of the aircraft wash stall, and includes four major offsite drainage pipes (see Figure 2-1)</li> <li>○ Offsite No. 2: Offsite contributions including clear zone areas at the northern end of the airport, north of the ends of the runways, and southwest, south, and southeast of the Zellerbach Paper Building, and the T-hangars located adjacent to East Perimeter Road</li> <li>○ Offsite No. 3: Offsite drainage, including the runways, east taxiway areas and loading aprons, and terminal, north annex, and administration buildings</li> <li>○ Power Plant Test Center/Propulsion Lab: Located in the northeastern section of NBF; includes contributions from Offsite No. 1, which includes Seattle City Light and other upstream offsite drainage basins; methylene chloride detected at 6.5 µg/L</li> <li>○ CDWAA: Located just south of the Power Plant Test Center</li> <li>○ Aircraft Delivery: Encompassing a large section of the NBF site including Concourses A, B, and C and the Building 3-390 Flight Test Center</li> </ul> <p>Phthalates and phenols were detected in several of the outfall samples as well (Boeing 1994j):</p> <ul style="list-style-type: none"> <li>○ Outfall No. 1 (bis(2-ethylhexyl)phthalate [BEHP] – 3.1 µg/L)</li> <li>○ Offsite No. 1 (BEHP – 5.5 µg/L; di-n-octylphthalate – 1.0 µg/L)</li> <li>○ Offsite No. 2 (BEHP – 1.0 µg/L)</li> <li>○ CDWAA (BEHP – 1.8 µg/L)</li> <li>○ Aircraft Delivery (BEHP – 2.6 µg/L)</li> </ul> <p>PAHs were detected in Offsite No. 3 (Boeing 1994j).</p>
1994	<p>A letter from Boeing dated December 7, 1994, stated that all known sources of NCCW had been eliminated from the site (Boeing 1994k). These sources were either connected to a recirculating loop, or for the smaller intermittent sources, diverted to the sanitary sewer. A compliance inspection on January 24, 1995, indicated that permit cancellation is in order as a result of “elimination of all point source discharges” (Ecology 1995). The facility will continue to operate under the baseline general permit for stormwater, and has an ongoing SWPPP.</p>
1995	<p>Metro discharge permit No. 7594 was renewed on May 10, 1995. At that time, discharges were characterized as rinse waters from coating (alodining) and paint stripping operations; airplane washing and de-icing water; film processing rinse waters and treated solutions; rinse from aqueous degreaser; discharge from oil/water separator; wash water from pavement cleaning; and waters generated from miscellaneous activities (METRO 1995a, 1995b). Permitted discharges included 50,000 gpd categorical discharges, 88,310 gpd noncategorical discharges, 33,650 gpd NCCW, and 150,000 gpd sanitary wastewater, for a total discharge of 271,960 gpd.</p>
1995	<p>According to the permit application, NCCW discharges had been reduced over the past several years, from 54,800 gpd to approximately 33,650 gpd. The initial volume was actually higher because, as</p>



Year	Activity
	Boeing inventoried its discharges, it discovered that several sources of NCCW were being discharged into the storm drain system that had previously been unaccounted for (Metro 1994). Metro gave the company permission to re-route these discharges to the sanitary sewer.
1995	On May 17, 1995, Boeing submitted a request for renewal of coverage under the Industrial General Stormwater Permit No. SO3-000226 (Boeing 1995d). Coverage was renewed by Ecology effective December 18, 1995 (Ecology 1996a), expiring November 18, 2000.
1996	A Notice of Violation for pH at North Boeing Field was issued by the King County Water Pollution Control Division (formerly Metro) on July 18, 1996. This Notice was rescinded on August 22, 1996, due to concerns over the accuracy of the pH meter used by King County (King County 1996).
2000	On May 8, 2000, Boeing submitted a request for renewal of the North Boeing Field Industrial Stormwater Permit, No. SO3-000226 (Boeing 2000). A new permit was issued by Ecology on November 18, 2000 (Ecology 2000), expiring November 18, 2005.
2004	Boeing applied for renewal of the Wastewater Discharge Permit for NBF in November 2004 (Boeing 2004b). The permit covers discharges to the sanitary sewer from Building 3-369 Paint Hangar wastewater, outdoor plane wash stalls, the sweeper dump vault, and Building 7-027 (Aqueous Cleaner Building, to cease operation in mid-2005) (King County 2005c). The permit was reissued and expires in May 2010.
2005	A dry weather inspection was conducted on May 24, 2005, to confirm that all NCCW discharges to the storm drain system had been eliminated (Boeing 1995e). During this inspection, a stray discharge was observed near Building 3-325; Boeing determined that the source of water is from the subsurface and is entering the storm drain through a crack in the pipe. Analytical data reportedly indicate that the source is tap water, possibly from the aging Fire Protection lines that parallel the storm drains for several hundred feet (Boeing 1995e).
2009	Boeing's Industrial Stormwater General Permit for the NBF site (SO3-000226) is effective through December 31, 2009.

#### 4.2.2 History of Spills

No information on spills prior to 1985 was found. A summary of release reports and correspondence is provided below. The potentially affected storm drain (GTSP Flume, KCIA SD#3, I-5 storm drain, or NBF storm drain) is identified if this information was available from the sources cited.

**August 9, 1985:** Employees of FAMCO Transport Incorporated were observed dumping 55-gallon steel drums of an oil product through a Boeing property fence and into a storm drain on Boeing property (Boeing 1986b). Boeing personnel notified EPA and Ecology, and contacted an environmental cleanup contractor to respond immediately and pump out the storm drain. Subsequent testing of the drain system by FAMCO's consultant indicated the presence of PCBs, heavily enveloped in solvent, in Manhole SD-A18-MH. This investigation is described further in Section 4.3.

**March 25, 1986:** Approximately 20 gallons of paint hangar wash water were spilled outside the treatment plant (Building 3-369), as a result of a valve failure. Ten to 15 gallons of the spilled water were contained on site; 5 to 10 gallons spilled to the storm drain. A sample of the tanks from which the leak occurred indicated low levels of chromium, lead, and zinc, and TTO of 3.5 mg/L (Boeing 1986c).

**May 30, 1986:** A compressor oil seal failure caused an unknown quantity (up to 10 gallons) of oil to spill to the GTSP Flume (Boeing 1986e). Booms and absorbent pads were deployed in the flume and Slip 4.

**December 17, 1987:** Approximately 1 gallon of mineral oil was spilled into a storm drain near the east side of Building 3-962 by a contractor working on the chiller (Ecology 1987c).

**June 9, 1988:** Uncured asphalt emulsion roofing material was washed off the roof of Building 3-370 during a rainstorm. Some of the runoff entered the storm drain. The runoff had a pH of 6.0 and oil and grease concentration of 45,500 mg/L. No sheen was detected at Slip 4. No estimate of the volume of contaminated water was made.

**January 2, 1990:** A sanitary sewer overflow from the lift station near Building 3-417 flowed into a nearby stormwater catch basin for approximately 15 minutes (Ecology 1990a). The overflow did not contain industrial waste.

**1990 (Date Unknown):** According to EPA's Toxics Release Inventory (TRI) database<sup>5</sup>, a discharge of Freon 113, MEK, toluene, and xylenes (5 pounds each) to the Duwamish River occurred during 1990. No other information about this release was available.

**November 23, 1991:** Approximately 100 gallons of water with 3 to 6 percent aqueous fire fighting foam (AFFF) FC-783 synthetic firefighting foam were discharged to a nearby storm drain during testing of the sprinkler system at Building 3-380 (Paint Hangar) (Boeing 1991c). The spill occurred due to an unblocked drain pipe from the building. The discharge was immediately diverted to the sanitary sewer and the escape drain was plugged. Samples were taken from two downstream catch basins, which indicated that foaming was not occurring.

**December 12, 1991:** Less than 30 gallons of Jet A Fuel were released from the G Slab area as a result of tank tightness testing (Boeing 1994j). The spill was reported to Ecology.

**December 18, 1991:** Approximately 50 gallons of AFFF (3 percent) were released at the Power Plant Test Center Fuel Test Slab during fire system testing (Boeing 1994j).

**January 30, 1992:** Fuel was detected at the King County Lift Station (Building 3-395) after a heavy rainstorm; the fuel was traced to recent additions to the oil/water separator piping at the Aviation Fuel Farm (Boeing 1992b). Installation of a utility trench at the Fuel Farm required a reroute of the storm lines in the area; an overflow line set in a pre-cast concrete plate was installed near MH-1A to accommodate 100-year storm flows. Upon inspection, Boeing determined that the overflow plate had been improperly sealed, allowing stormwater to flow around the edges of the plate and bypass the oil/water separator. The plate was resealed on February 7, 1992. The duration of the bypass is not clear.

**April 13, 1992:** Eight to 100 gallons of soapy water were improperly discharged to the storm drain at Building 3-380 by a contractor; the job was halted until able to discharge to sanitary sewer (Boeing 1994j).

**April 16, 1992:** Less than 100 gallons of paint wash water were released at Building 3-369 when an overflow switch failed (Boeing 1994j). The spill was reported to Ecology.

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<sup>5</sup> EPA Envirofacts Warehouse: <http://www.epa.gov/enviro/>

**April 16, 1992:** Up to 400 gallons of wastewater were spilled to a bermed containment area when a tank at the wastewater treatment plant overflowed and the shut off valve malfunctioned. Up to 100 gallons were released to the storm drain (Ecology 1992a).

**March 1, 1993:** About 2,000 gallons of hot water were discharged to the storm drain at Building 3-380 during heating, ventilation, and air conditioning maintenance (Boeing 1994j). The spill was reported to Ecology. Two samples were obtained, one at the discharge point into the storm drain and another at the King County lift station. All data were within permit limits (Boeing 1993b).

**March 3, 1993:** About 1,000 gallons of hot water were released to the storm drain at Building 3-380 when a steam valve failed on a process hot water tank (Boeing 1994j). The spill was reported to Ecology. Samples obtained at the storm drain just outside Building 3-380 indicated water quality within permit limits except for copper, which was present at 0.14 mg/L (Boeing 1993c). No samples were collected at Outfall 2.

**February 7, 1994:** During an inspection of the storm drain system, a flow of oily water was observed in a manhole located on the opposite side of the blast fence near the A6 stall on the flightline (Boeing 1994a). This point represents the location of influent waters from businesses located on the northeast side of the Airport. According to KCIA personnel, a malfunction/misoperation of an oil/water separator on the KCIA site was the cause, and the situation was corrected. A sample of water near the A6 stall and at the King County lift station were collected and analyzed for metals and FOG. Results indicated that the influent water contained 35 mg/L FOG and the water discharged through the lift station contained 2.6 mg/L FOG (within NPDES discharge limit of 15 mg/L). The manhole and lift station were resampled on February 16, and FOG concentrations were 3.3 and 2 mg/L, respectively.

**June 15, 1994:** A letter dated June 17, 1994, from Boeing to Ecology described the discovery on June 15 that the Rain Erosion Test Facility, located in the Power Plant Test Center adjacent to Building 3-321, discharges process water to the storm drain system (Boeing 1994f). In this process, water is sprayed onto a coated test panel to accelerate the erosion process; this water is discharged directly to the storm drain. The facility has operated for at least 15 years; operating records since 1991 indicate intermittent usage with a total discharge of 23,400 gallons of water. The amount of primer, consisting of 15 percent strontium chromate, discharged to the storm drain during that period was calculated to be 0.016 pounds (Boeing 1994f). This discharge was diverted to the sanitary sewer system.

**July 13, 1994:** Approximately 20 gallons of wash water were discharged to the storm drain system on the southeast side of Building 3-369 (Boeing 1994g). This material escaped from the building while personnel were washing down the floor of the paint hangar and left a door to the outside open. The wash water is typically collected in the building trenches and pumped to the wastewater treatment plant. The discharged water contained small amounts of metals (cadmium, chromium, copper, lead, nickel, zinc) and organics (MEK, 15.6 µg/L; 1,1,1- trichloroethane [TCA], 1.2 µg/L; chloroform, 1.0 µg/L; benzene and toluene <1 µg/L) (Boeing 1994g). Water remaining in the catch basin was vacuumed out and the catch basin was cleaned.

**July 20, 1994:** Between 100 and 500 gallons of a 3 percent AFFF solution were spilled to the storm drain system in the Power Plant Test Center at NBF, after the fire protection system at the fuel farm was activated by high ambient temperatures (100°F) (Boeing 1994h). Most of the solution was contained within the fuel farm retention tanks. However, one sprinkler head was misdirected outside of the containment area towards temporary plastic film used for painting operations. The discharge went directly into the storm drain system. After the spill was reported, the Lift Station was taken out of service. A small amount was pumped into the river before the shutdown was completed. Booms were placed into the Duwamish at Slip 4 to prevent material from escaping into the Duwamish River. On July 21, the Lift Station was put back on line. Later that day, Slip 4 showed significant amounts of foam. Additional booms were placed in the water to contain the spilled material and the Lift Station was shut off. An environmental contractor was then hired by Boeing to clean out all the lines from the spill area to the lift station; this was completed on July 22.

**February 3, 1996:** Approximately 60 gallons of PS-300, a fuel oil, were spilled near Building 3-374 during unloading into an aboveground storage tank (AST), when a valve located at the tank was inadvertently left closed during the unloading operation (Boeing 1996a). Pressure on the hose when the pump started up caused the hose to fail. The tank and unloading area are within a contained area. PS-300 is a high viscosity petroleum distillate with very low flow characteristics. Cleanup efforts were immediately initiated and no product entered the storm drain system.

**February 6, 1996:** A broken hose caused Bunker fuel oil to be sprayed on pavement (Ecology 1996b). The location of the spill was not documented; however, it was contained at a catch basin. Samples were collected and showed FOG at or near 2.5 mg/kg (0.5 mg/kg over the limit). No sheen was present. The pavement area was steam cleaned. No additional information on this spill was available.

**January 29, 1998:** A spill of waste oil/petroleum occurred near the north end of Building 3-313 (Ecology 1998a). Approximately 2 gallons of the material entered a storm drain during transfer of a drum from a waste cart to the central accumulation area.

**April 30, 1998:** During a subsurface investigation in support of proposed upgrades to the storm drain system, a release of PCBs to soil in the vicinity of Building 3-326 was discovered (Boeing 1998b). This location was previously reported to Ecology following removal of underground storage tank UBF-55. According to Boeing, no known sources of PCBs were associated with Boeing activities (Boeing 1998b). No remedial actions were planned by Boeing.

**January 17, 1999:** Approximately ½ gallon of diesel fuel was spilled outside on the south side of Building 3-380, due to a leaking portable power generator (Boeing 1999). The material entered a storm drain that flows into the lift station. A sample of the wet well water at the lift station was collected and a trace amount of oil or sheen was observed. The Boeing Fire Department inspected the Slip 4 outfall and no visible residue of oil was observed.

**March 7, 2004:** A spill of 30 gallons of Jet A fuel was reported at the Fuel Control Building (Building 3-822). No other information about this spill was available (Boeing 2007).

**June 11, 2004:** A small amount of AFFF (foam) was discharged to Slip 4 from the annual test of the Building 3-333 Fuel Test Facility fire suppression system (Boeing 2004a). Foam was observed discharging to Slip 4 downgradient of NBF. The Fuel Test Facility fire suppression system combines AFFF and water to spray in the event of a fire. To conduct the annual test, the AFFF valve is shut and only water is used. However, typically there is a residual amount of dried AFFF that remains in the system from the last instance of foam spray that is washed out with the test. On June 11, instead of isolating the fire system test water in a retention tank, the water was discharged into the storm drain through an oil/water separator. However, residual AFFF mobilized from fire water sprayed as part of the test was not captured by the separator and made its way to site discharge. The Fuel Test Facility drainage system was cleaned to remove any residual foam.

**December 7, 2004:** Approximately 1 gallon of Jet A fuel spilled at stall C-9 (Boeing 2007). No other information regarding this spill was available.

**January 4, 2005:** Less than 1,000 gallons of potable water spilled at Building 3-397 (Boeing 2007).

**January 13, 2006:** A fuel odor was observed in the oil/water separator at Building 3-818; no other information was available (Boeing 2007).

**January 18, 2006:** An unknown volume of liquid with a milky appearance was observed in the north yard near Building 3-390 (Boeing 2007). No additional information was available.

**June 14, 2006:** Approximately 16 gallons of Jet A fuel was reportedly spilled at the Main Fuel Farm (Building 3-822). No other information was available (Boeing 2007).

### **4.3 Environmental Investigations and Cleanups: Soil and Groundwater**

Numerous investigations and cleanups have been performed at NBF. As described in Section 1.2.2, for the purpose of discussing environmental investigations and cleanups of soil and groundwater, NBF was subdivided into three areas based on areas previously defined by Boeing and historical features: the PEL Area (northern portion of NBF), the Central Area, and the Southern Area (Figure 4-4).

Soil and groundwater investigations in the PEL area are summarized in Section 4.3.1; soil and groundwater investigations in the Central and Southern areas are described in Section 4.3.2 and 4.3.3, respectively.

During 1991/1992, Boeing conducted an underground storage tank testing program (Boeing 1992a). Results are discussed by area below, as relevant.

#### **4.3.1 Propulsion Engineering Labs Area**

The PEL Area includes the buildings around the Fuel Test Slab and extends east to the Green Hornet Area. This area is north of Concourse A and also includes the NBF-GTSP fence line area.

Investigations that have been conducted in the PEL Area are shown in Figure 4-5; sampling locations for specific source areas are shown in figures 4-6 through 4-22. Tables 4-1 through 4-11 list soil and groundwater sampling results for chemicals with detected concentrations above regulatory or screening levels. Tables that list sampling results for all detected chemicals in soil and groundwater at each potential source area are provided in Appendix D.

Information was reviewed and summarized for the following potential source areas within the PEL Area:

- NBF-GTSP fence line area, including former Tank UBF-25, oil/water separator UBF-55 (also known as OWS-186), former Tank UBF-27, Dead Tree investigation area, and the storm drain re-route area between Building 3-332 and the GTSP
- Former Building 3-301
- Fuel Test Facility (Building 3-333, formerly Buildings 3-318 and 3-319)
- Propulsion Test Laboratory (Building 3-335)
- F&G Facility (Building 3-324)
- Former Building 3-304
- Tanks BF-4, BF-5, and BF-6
- Tanks NBF-28 and NBF-29 (Wind Tunnel Area)
- Inlet Development Facility (Building 3-353)
- Green Hornet Area
- Building 3-354

In addition, recent area-wide soil investigations conducted in 2007 and 2008 are summarized below.

#### **4.3.1.1 Area-wide Investigations**

Tables 4-1 and 4-2 summarize soil and groundwater data for analytes detected in the area-wide investigations described below that exceed MTCA cleanup levels and/or soil-to-sediment or groundwater-to-sediment screening levels. Results for all detected chemicals are presented in Appendix D.

##### *PCB Soil Investigation (2007)*

Between March 29 and April 3, 2007, 38 soil borings were drilled in the northern portion of NBF (Figure 4-6) to investigate areas that may have been impacted by PCBs due to activities at the GTSP or historical activities on the NBF site (Landau 2007b).

PCBs were detected in samples from 23 of the 38 boring locations, primarily in the 1- to 2-foot interval. At three locations, PCBs were also detected in the 5- to 6-foot interval. Detected concentrations ranged from 0.042 to 133 mg/kg; six samples contained total PCBs over 1 mg/kg. The highest concentration (133 mg/kg) was detected in the 5- to 6-foot interval in boring SB-36; this is the location of a PCB cleanup conducted in 1998 southwest of the current location of Building 3-333 (see below). High concentrations of PCBs (17.6 to 25.9 mg/kg) were also

detected in the 1- to 2-foot interval at borings SB-30 and SB-31, located adjacent to the fence line which divides the Boeing-leased property and the GTSP (Landau 2007b).

Some soil samples were also analyzed for petroleum hydrocarbons and VOCs. Concentrations of gasoline range hydrocarbons and ethylbenzene exceeded MTCA cleanup levels.

#### Soil Sampling Associated with Storm Drain Replacement (2007)

A total of 36 soil samples were collected from 21 locations along the north storm drain line trench, as shown in Figure 4-7 (Landau 2007c). In addition, two water samples were collected. PCBs were detected in 28 of the 36 samples collected. Concentrations found in soils adjacent to the fence line ranged from <1 mg/kg DW to 2,680 mg/kg DW on the eastern edge of the 2006 interim remedial action excavation (Integral 2006c). PCB concentrations exceeded 10 mg/kg at seven other locations along this portion of the drain line excavation, with a concentration of 1,000 mg/kg DW detected along the north side of Building 3-323 (Landau 2007). A thick, black tar-like material and bricks, concrete debris, and asphalt pieces were observed at this location. Soil samples were collected along the northwest side of Building 3-323; PCB concentrations in this area were less than 2 mg/kg DW. Petroleum hydrocarbons were also detected in some samples at concentrations below MTCA cleanup levels.

#### Investigation of PCB Sources to Slip 4 (2008)

Six soil samples (and one duplicate sample) were collected from five soil borings (NBF08-2, NBF08-8, NBF08-13, NBF08-14, SB08-22, and SB08-36) on NBF southwest of GTSP (Figure 4-8). Boring SB08-22 was advanced at the southern corner of Building 3-334, boring SB08-36 was advanced north of Building 3-335 and the remaining borings were advanced near the property line between NBF and GTSP. PCBs were detected in all of the soil borings except NBF08-2. Total PCB concentrations in the samples collected from the borings near the property line ranged from 0.43 to 880 mg/kg. The total PCB concentrations in soil borings SB08-22 and SB08-36 were 4.6 and 270 mg/kg, respectively (Landau 2008a). Concentrations of Aroclor 1254 and total PCB exceeded MTCA cleanup levels.

Selected samples were to be analyzed for the full suite of 209 PCB congeners (Exponent 2008). The remaining samples were to be frozen. Results were not available at the time this Data Gaps Report was prepared.

### **4.3.1.2 North Boeing Field-GTSP Fence Line Area**

Investigations conducted in the area of NBF that is adjacent to and near the NBF-GTSP property line is discussed below, including the buildings immediately west of the fence line (Figure 4-5). Table 4-3 summarizes soil data for analytes detected in the NBF-GTSP fence line area investigations described below that exceed MTCA cleanup levels and/or soil-to-sediment screening levels. Results for all detected chemicals are presented in Appendix D.

#### Tank UBF-25 Removal (1989)

In September 1989, Boeing removed UST UBF-25, a 500-gallon gasoline UST located west of Building 3-323. The UST was in good condition when removed. TPH, toluene, and total xylenes

were detected in the soil samples collected from the excavation (Figure 4-9). All concentrations were below MTCA cleanup levels (Hart Crowser 1990c).

#### *Oil/Water Separator UBF-55 and Tank UBF-27 (1997)*

According to Boeing, this location bordered an old SCL transformer storage area (AGI 1998b). To the north of the site is the fence line between NBF and GTSP, as described in Section 3.4.6 above. The site is bounded by a gas meter to the northwest, the air-gas dryer area to the southwest, and Buildings 3-322 and 3-326 to the southwest and southeast, respectively.

SCL conducted a PCB cleanup in fall 1985 in this area, which included soils on SCL's side of the fenced boundary (discussed in Section 3.4.6) (Boeing 1986f).

#### **UST Removal (1986)**

A 3,000-gallon underground fuel oil storage tank (UBF-27) was located near the northwest corner of Building 3-326 (Figure 4-10). The tank was removed in May 1986; a sample of fluid from the tank was analyzed prior to excavation and did not contain PCBs (Boeing 1986f). Boeing collected soil samples during the tank excavation and analyzed them for PCBs (Boeing 1986d). A composite sample from the upper 4 feet of soil indicated 40 mg/kg Aroclor 1248. A sample collected from beneath the tank at a depth of 8 feet contained 13 mg/kg Aroclor 1248 (Boeing 1986f). Approximately 30 cubic yards of PCB-contaminated soil were removed from an excavation measuring 13 feet long by 8 feet wide by 12 feet deep (Boeing 1986g). Composite samples were collected after excavation at a depth of 12 feet at two locations: 3 feet from SCL property (43 mg/kg Aroclor 1254), and 18 feet from SCL property (15 mg/kg Aroclor 1242/1254). The excavation was backfilled with crushed rock and covered with asphalt; no further remedial actions were planned (Boeing 1986f).

#### **Soil Investigation (1997)**

In September 1997, AGI Technologies conducted a site investigation for the oil/water separator designated as UBF-55 (Figure 4-10). This oil/water separator, currently identified as OWS-186, was located in the northwest portion of North Boeing Field, near the northeast corner of Building 3-322, adjacent to UBF-27, and near the GTSP low-lying area described previously. The 5,000-gallon capacity steel oil/water separator was reported to have been installed in 1976 (AGI 1998b), however Boeing drawings indicate that this separator was installed in the mid-1950s (Bach 2009c).

The purpose of the investigation was to determine the horizontal and vertical extent of potential contamination. Subsurface soil samples were collected at 18 locations, based on a grid centered on the oil/water separator (Figure 4-10). Samples were analyzed for TPH, PCBs, VOCs, and/or SVOCs. Samples were typically collected from an upper interval (1 to 1.5 feet thick) just below the asphalt, and a second interval (usually 2 feet thick) directly above the water table (AGI 1998b). After samples were collected, the sampling locations were backfilled with bentonite chips and sealed at the surface with concrete patch.

Fill was encountered immediately below the asphalt; this material was highly variable in type and thickness (up to 4 feet), and included poorly graded sand (0.5 to 3.5 feet thick); pea gravel



(near the former location of UBF-27; to a depth of 4.2 feet); sandy silt (0.5 to 1 foot); well-graded sandy gravel; clean, poorly graded gravel; and graded sand. Below the fill material, native alluvial sediments consisting of poorly graded sand were encountered to the base of the sample probes. At some locations, interbedded layers of silt were present. Groundwater was encountered at depths of 4.1 to 4.3 feet below grade.

Field screening of soil samples was conducted. Staining was observed in the lower sample interval (4.1 to 7.1 feet bgs) from probe P16. Organic vapor screening indicated the presence of VOCs in both the fill and native soils. The highest readings in the fill were located at P6 and P3 (9.9 and 57.5 ppm, respectively). The highest organic vapor reading in the alluvium was 174.6 ppm at P16.

Only four of the 18 upper interval samples were analyzed for PCBs. These were the locations closest to the oil/water separator (P6, P7, P16, and P17). Detected Aroclors were primarily 1248 and 1254. Total PCBs ranged from 0.09 to 1,540 mg/kg PCBs (AGI 1998b). The highest concentrations (172 mg/kg to 1,540 mg/kg) were found at sample locations P16 and P7, located immediately to the south and north of UBF-55, in both upper and lower sample intervals. PCB concentrations above 10 mg/kg were also detected in P2, P3, P4, and P9, which are the sample locations closest to the gas meter and GTSP. No operational source for this PCB contamination has been identified.

Maximum detected gasoline, diesel, and motor oil concentrations were 150, 1,900, and 550 mg/kg, respectively. The highest concentrations were detected in P3 and P16. One sample (P3) contained gasoline-range petroleum hydrocarbons at a concentration above the MTCA cleanup level.

Four samples were analyzed for VOCs and SVOCs. Two VOCs were detected: acetone (two samples; 0.016 to 0.030 mg/kg); and toluene (one sample; 0.002 mg/kg). Four SVOCs were also detected: phenanthrene (one sample, 0.11 mg/kg); pyrene (one sample, 0.2 mg/kg); BEHP (three samples, 0.11 to 0.24 mg/kg); and chrysene (two samples, 0.11 mg/kg) (AGI 1998b).

No cleanup actions were identified.

#### Dead Tree Investigation (1990)

Several small juniper trees planted along the NBF/GTSP border died shortly after they were planted in 1989. An environmental investigation was performed to determine if soil contamination caused the plants to die. Nine soil borings were advanced along the fence line and a sample was collected from a catch basin at the perimeter of the site (Figure 4-9). Analytical results indicated the presence of TPH at low concentrations in soil; these low concentrations did not appear to contribute to juniper tree death. TPH was detected at a concentration of 3,800 mg/kg in the catch basin sample. Runoff to the catch basin appeared to originate on the SCL property (GTI 1990e).

#### Storm Drain Re-Route (2006)

A total of 15 soil samples were collected from 5 soil borings (SLR-1 through SLR-5) along the proposed storm drain re-route between building 3-332 and the GTSP in November 2006 (Figure

4-11). Results for detected chemicals are presented in Table 4-3. PCBs were detected in all samples; petroleum hydrocarbons, VOCs, and metals were also detected in some samples (Landau 2007a). Concentrations of PCBs (Aroclor 1254) were up to 260 mg/kg, above MTCA cleanup levels.

Summary of Chemicals in Soil and Groundwater at NBF-GTSP Fence Line Area

Summary of Chemicals in Soil and Groundwater at NBF-GTSP Fence Line Area Above MTCA and/or Screening Levels			
Chemical Class	Chemical	Soil	GW
PCBs	PCB, total	◆■	◆■
Petroleum Hydrocarbons	Gasoline Range Hydrocarbons	◆	
VOCs	Ethylbenzene	◆	
	TCE	◆	

- ◆ Exceeds MTCA Soil or Groundwater Cleanup Level
- Exceeds draft Soil-to-Sediment or Groundwater-to-Sediment screening level (SAIC 2006)

**4.3.1.3 Building 3-301 (1994)**

Soil samples were collected from six locations, HA-1 through HA-6, around the perimeter of Building 3-301 (Figure 4-12). The building was scheduled to be demolished; the investigation was performed to assess the potential for workers to be exposed to TPH and PCBs during demolition activities. Soil borings were advanced to 3 feet bgs, the anticipated maximum depth of excavation required to demolish the building. TPH and PCBs were not detected in the soil borings (SECOR 1994g).

**4.3.1.4 Fuel Test Facility (Building 3-333, Vicinity of former Buildings 3-318 and 3-319) (1986 – 1987, 1991 – 1997)**

Investigations were conducted in the area of former Buildings 3-318 and 3-319 and current Building 3-333 (Figure 4-13), as described below. Tables 4-4 and 4-5 summarize soil and groundwater data for analytes detected in the Building 3-333 investigations that exceed MTCA cleanup levels and/or soil-to-sediment or groundwater-to-sediment screening levels. Results for all detected chemicals are presented in Appendix D.

Hydrocarbon Recovery System (1986-1987)

A subsurface hydrocarbon recovery system began operation at this location on May 23, 1986 (Boeing 1987a). The system did not recover any free (floating) fuel product in the recovery well. Ecology granted permission to terminate the recovery program, but requested that monitoring of site conditions continue until December 1986 with testing of the well prior to closure. A groundwater sample collected in January 1987 contained no detectable concentrations of BTEX (Boeing 1987a).

### *Building 3-318 Methylene Chloride UST System Sampling (1994-1995)*

Low levels of methylene chloride were detected in the first flush grab sample and flow-weighted composite sample from the Power Plant Test Center, and in the flow-weighted composite sample from the main storm drain outfall (Outfall 001) collected on September 14, 1994 (Boeing 1994j). Methylene chloride was stored in a 10,000-gallon tank inside Building 3-318; this material was used as a coolant and was piped to a test pad located just south of the building. Boeing hypothesized that trace amounts of methylene chloride escaped into the storm drain system during demolition of sections of this test pad between July and September 1994. An additional grab sample was collected during the first flush of a storm event on October 1, 1994; methylene chloride was detected at 19.5 µg/L (Boeing 1994j). The pad surface and storm drain lines were subsequently pressure washed, the wash water isolated, collected, and disposed of via the sanitary sewer.

Follow-up sampling was conducted during October 1994 through February 1995. Samples collected from Manhole 7-A (near Building 3-350) and Manhole 13-A (near Building 3-626) showed methylene chloride concentrations from 4.5 to 482 µg/L and 1.3 to 62.5 µg/L, respectively (Boeing 1995c). Low levels of toluene, ethylbenzene, 1,1,1-TCA, and 1,1-DCA were detected in some samples. Boeing conducted a thorough investigation of the site, which revealed no leaks or breach of integrity of the methylene chloride system. Although the storm lines had been cleaned, trace amounts of methylene chloride still remained (Ecology 1995).

### *Building 3-333 Pre-Construction Site Assessments (1994)*

In August 1994, 12 soil borings, HA-1 through HA-12, were advanced around Buildings 3-318, 3-319, 3-320, 3-321, and 3-287 to assess soil conditions within the planned footprint of Building 3-333 and a proposed utilidor (Figure 4-13). Soil borings were advanced to approximately 6.5 feet bgs, the approximate depth to groundwater in each boring. Soil samples were collected from each boring and analyzed for TPH and PCBs. Petroleum hydrocarbon concentrations exceeded MTCA Method A cleanup levels in borings HA-6, HA-10, and HA-11. Aroclor 1254 (0.1 to 400 mg/kg) was detected in 9 of the 12 borings and Aroclor 1260 (0.042 to 0.15 mg/kg) was detected in 4 of the 12 borings. The total PCB concentration in boring HA-11 (400 mg/kg) exceeded the MTCA soil cleanup levels for total PCBs (SECOR 1994h).

In November and December 1994, 22 hollow-stem auger borings, SB-1 through SB-22, were drilled to 8.5 feet bgs (Figure 4-13). Soil samples were analyzed for PCBs and hydrocarbon identification (HCID). Samples containing hydrocarbons were analyzed for TPH and gasoline- and diesel-range hydrocarbons; two samples were analyzed also for VOCs. During drilling, two wood samples were extracted from the sampler and analyzed for HCID, VOCs, SVOCs, and metals. In addition, one groundwater monitoring well (MW-1) was installed at 15 feet bgs and sampled. Groundwater samples were collected in December 1994 and January 1995 and analyzed for TPH, gasoline- and diesel-range hydrocarbons, BTEX, and PCBs (SECOR 1995c).

The MTCA Method A soil cleanup level for PCBs was not exceeded in the Phase I construction area, which included Buildings 3-318 and 3-319 and the area between these buildings and the fuel test slab. In the Phase II construction area, which consisted of Buildings 3-320, 3-287, and 3-321, gasoline- and diesel-range hydrocarbons in soil exceeded MTCA Method A cleanup

standards only in well boring MW-1. Well MW-1 was located between Buildings 3-287 and 3-321. PCBs in soil also exceeded the MTCA cleanup levels. PCB concentrations in soil exceeded MTCA Method A cleanup levels in MW-1 (510 mg/kg) and borings SB-12 (8.0 mg/kg) and SB-14 (1.0 mg/kg), which were located between Buildings 3-287 and 3-321 (SECOR 1995c).

The two wood samples were collected from a portion of what was assumed to be the former wooden flume; one sample contained 0.57 mg/kg PCBs (Aroclor 1254). This wood sample also contained detectable concentrations of xylenes, naphthalene, 2-methylnaphthalene, BEHP, cadmium, chromium, copper, lead, mercury, nickel, and zinc (SECOR 1995c). The contamination was attributed to aircraft fuel testing activities over a period of 40 years; according to Boeing, company records indicated no evidence of PCB-related activity at this location (Boeing 1995b).

In groundwater (MW-1), gasoline- and diesel-range hydrocarbons and PCBs (Aroclor 1254) exceeded MTCA Method A cleanup levels. Benzene, toluene, and ethylbenzene were detected at concentrations below the cleanup levels (SECOR 1995c).

#### *Oil/Water Separator Remedial Excavation (1996)*

During preparations for Phase I construction of Building 3-333, Boeing conducted an independent remedial action at this area to remove an oil/water separator located at the southwest corner of the fuel test slab (Figure 4-13). In March 1996, an estimated 200 cubic yards of soil were removed around the oil/water separator to a depth of approximately 5 feet (about 6 inches beyond the depth to groundwater). The oil/water separator collected stormwater runoff from the fuel test slab area (Boeing 1996b).

A total of 18 soil samples were collected, including 12 samples from the sides of the excavation (S-1 through S-6 and S-8 through S-13), one test pit sample (S-7), and five soil stockpile samples (Figure 4-13). In addition, the groundwater monitoring well MW-1 was abandoned (SECOR 1996b). Soils within the remediation area (collected from the sides of the excavation) contained gasoline-, diesel-, and heavy oil-range hydrocarbons at concentrations up to 4,700, 9,900, and 14,000 mg/kg, respectively (SECOR 1996b). Of the 12 excavation samples, results indicated gasoline- and diesel-range hydrocarbons concentrations in soil exceeded the MTCA Method A soil cleanup standards in the vicinity of the oil/water separator. No exceedances were reported for the test pit. None of these samples were analyzed for PCBs.

Five samples of stockpiled soil from the excavation were analyzed for PCBs, metals, and VOCs in addition to TPH. PCBs were detected in all five stockpile soil samples, at concentrations ranging from 0.91 to 1.6 mg/kg (SECOR 1996b, Boeing 1996b). VOCs (including acetone, chloroform, and 2-butanone) were detected in four of the stockpile soil samples at concentrations up to 0.014, 0.0054, and 0.078 mg/kg, respectively. Barium (23.2 to 25.3 mg/kg), chromium (9.6 to 14.9 mg/kg), lead (5 to 7 mg/kg), mercury (0.05 mg/kg) and silver (0.3 to 0.4 mg/kg), were detected in one or more of the stockpile soil samples. Arsenic, cadmium, and selenium were below detection limits. All five samples contained gasoline- and diesel-range hydrocarbons; two samples contained heavy oil-range hydrocarbons.

TPH impacts appeared to be localized near the groundwater surface. A sheen was observed on groundwater that accumulated in the excavation. TPH-impacted soil at concentrations above MTCA Method A soil cleanup standards remained in place along the north, south, and east sides of the excavation at the groundwater interface (SECOR 1996b).

*Building 3-333 Phase I Construction Interim Remedial Actions (1996)*

During Phase I construction in September 1996 (Figure 4-14), PCB-contaminated soil was encountered in the excavation for the north wing of Building 3-333. Twenty-two soil samples (333-1 through 333-22) were collected from the bottom of the excavation and PCBs above MTCA Method A cleanup levels were present at the northeastern corner of the excavation (to 84 mg/kg). The soil samples were also analyzed for VOCs. Several VOCs (1,1,1-TCA, TCE, trichlorotrifluoroethene, and trichlorofluoromethane) were detected; however, no VOCs were detected above MTCA cleanup levels. Additional soil samples (333-23 through 333-31) were collected in the northeastern corner of the excavation to determine the lateral and vertical extent of PCB contamination. Approximately 3.8 cubic yards of PCB-containing soil were removed from the site (Figure 4-14). Soil samples were not obtained from the final excavation limits because the bottom of the excavation was in groundwater and the sidewalls were defined by the samples collected during the initial sampling (Equipose 1997). The placement of the excavation and the soil samples are not clear from the documents reviewed by SAIC.

*Building 3-333 Phase II Construction Site Assessments (1997)*

Prior to Phase II construction (the west wing of Building 3-333) in 1998 (Boeing 1998a), a supplemental investigation was conducted to more clearly define the vertical and lateral extent of contamination within the boundaries of the Phase II construction, at the former location of Buildings 3-321, 3-287, and 3-320 (Figure 4-15; AGI 1997). The investigation included collection of subsurface soil samples from 29 locations (P1 through P29) and analysis for TPH, PCBs, and methylene chloride (included because this compound had historically been used and stored onsite at this location). In general, the highest TPH and PCB concentrations were localized in the area between Buildings 3-321 and 3-287. Maximum TPH concentrations were 7,800 mg/kg and 7,600 mg/kg for gasoline-range and diesel-range, respectively. These were detected in samples collected from just above the water table around former monitoring well MW-1. The maximum PCB concentration (1,600 mg/kg) was detected in a boring located approximately 10 feet from the former well (AGI 1997). Methylene chloride concentrations did not exceed MTCA Method A cleanup levels.

Remedial action was conducted to excavate subsurface soils with concentrations exceeding MTCA Method A industrial soil cleanup levels to the depth of the water table. Excavation was conducted during August and September 1997, including the removal of a visibly stained concrete drain trough in the floor slab along the north edge of the former Building 3-320 and concrete pavement between former Buildings 3-321 and 3-287, and the southwest corner of the Building 3-287 floor slab. The southwest side of the current Building 3-333 is now at this location. Onsite laboratory analysis included 62 samples analyzed for PCBs and 40 samples analyzed for TPH (AGI 1998a). In addition, 23 confirmation samples were analyzed for PCBs and 25 samples were analyzed for TPH.

Numerous active and abandoned utilities were encountered during excavation, including electrical conduits, sanitary sewer lines, storm drain lines, water mains, compressed air lines, and “pipes of unknown origin” (AGI 1998a). Near the north sidewall of the excavation, an 8-inch diameter ductile iron pipe with the end broken off was discovered. Approximately 1 inch of a black oily substance was located inside the pipe; tests indicated that this substance contained PCBs (to 25,300 mg/kg) and TPH (to 25,500 mg/kg). The broken end of the pipe was located about 3 feet from former well MW-1, and may be a source of the elevated PCBs found near the former well (AGI 1998a). The open west end of the pipe terminated near a north-south trending concrete storm drain pipe; excavations on the west side of the storm drain did not locate a continuance of the ductile pipe. According to drawings supplied by Boeing, the ductile iron pipe may have been connected to floor drains in Buildings 3-320 and 3-287 and to a nearby catch basin (AGI 1998a). Similar ductile iron pipe was found near the northwest corner of Building 3-320; two pipes were found that terminated where they encountered utility pipes connected to the existing storm drain at the northwest corner of Building 3-320. Analysis of samples collected from the interiors of these pipes and invert subgrades did not show PCB levels above MTCA Method A cleanup levels (AGI 1998a).

Excavation soil samples found PCBs above the MTCA Method A soil cleanup level (10 mg/kg) at 3.4 to 5.2 feet bgs with a maximum concentration of 4,150 mg/kg (near the ductile iron pipe described above) and diesel range TPH to 7,730 mg/kg.

Confirmation samples (after excavation) were collected from upper and lower sampling intervals along each sidewall. Results indicate that elevated PCB concentrations (above MTCA Method A cleanup levels) remain on the east wall of the excavation (to 51 mg/kg) and on the bottom of the MW-1 excavation (below the water table; to 380 mg/kg). Residual PCB concentrations in other locations ranged from nondetect to 6.3 mg/kg (Aroclor 1254) (bottom of excavation) and to 3.2 mg/kg Aroclor 1260 (drainage trough drain under Building 3-320) (AGI 1998a). Elevated TPH concentrations (diesel-range to 4,300 mg/kg, gasoline-range to 1,200 mg/kg, and heavy oil-range to 260 mg/kg) were found in these same locations. No further action was taken.

#### *PCB Soil Investigation (2007)*

As described in Section 4.3.1.1 above, several soil borings were drilled near Building 3-333 in March/April 2007 (Figure 4-6). The highest concentration of PCBs (133 mg/kg) was found in boring SB-36, located to the southwest of Building 3-333, in the 5- to 6-foot depth interval. This is in close proximity to the location of the broken pipe identified during the Phase II Site Assessment described above.

#### *Soil and Catch Basin Investigation (2008)*

In November 2008, two soil borings, NBF-SD31 and NBF-SD32 were advanced to the east of Building 3-333 (Figure 4-8). Two soil samples were collected from each boring. PCBs were not detected in the soil samples (Landau 2008b).

#### 4.3.1.5 Propulsion Test Laboratory, Building 3-335 (1998)

Table 4-6 summarizes soil data for analytes detected in the Building 3-335 investigations described below that exceed MTCA cleanup levels and/or soil-to-sediment screening levels. Results for all detected chemicals are presented in Appendix D.

Contaminated soil was encountered during the construction of Building 3-335 in 1998. AGI performed a site investigation to determine the extent of contaminated soil. Thirteen test pits were excavated in and around the footprint for Building 3-335 and between former Buildings 3-287 and 3-320, and Building 3-333 (Figure 4-16). Based on soil sample analytical results, approximately 24 cubic yards of soil was excavated and removed from the northeast portion of the Building 3-335 footprint and utility corridors between Buildings 3-333 and 3-335. Boeing excavated four additional test pits in the building footprint and collected soil samples from discolored soil and a soil stockpile. Petroleum hydrocarbons, metals, and Aroclor 1254 were detected in these soil samples. Aroclor 1254 concentrations ranged from 0.37 J to 0.71 mg/kg (AGI 1999).

#### 4.3.1.6 Former F&G Facility, Building 3-324 (1986, 1991 – 1994)

This facility is located in the northern portion of the NBF site at an elevation of approximately 5 feet above mean sea level (MSL) (Figure 4-5). Eight jet fuel USTs, identified as UBF-10 through UBF-17, were located at this facility. UBF-10 through UBF-13 were situated side-by-side on the “F” slab at the south end of the facility; UBF-14 through UBF-17 were situated side-by-side on the “G” slab at the north end of the facility (SEACOR 1994a). Building 3-324 was constructed following F&G demolition.

Table 4-7 summarizes soil data for analytes detected in the Building 3-324 investigations described below that exceed MTCA cleanup levels and/or soil-to-sediment screening levels. Results for all detected chemicals are presented in Appendix D.

##### Monitoring Well Installation (1986)

Hydrocarbon-contaminated soil adjacent to the USTs was encountered in 1985. Landau Associates installed seven groundwater monitoring wells, FG-5 through FG-11, at depths of 22.5 to 24.0 feet bgs, around slabs F and G in 1986 (Figure 4-17). One soil sample was collected from each well boring for analysis; TPH was reported in three of the seven wells, JP-4 was not detected in the soil samples. TPH and Jet Fuel A were present in groundwater (Landau 1986b).

##### Quarterly Groundwater Monitoring (1991-1994)

Quarterly groundwater monitoring and sampling in wells FG-5 through FG-11 began in December 1991 (Figure 4-17); data indicate that TPH within the diesel range was detected at concentrations above the analytical method detection limit in wells FG-5 and FG-11 (SEACOR 1994a). Benzene was also detected in FG-11 at slightly above the method detection limit. TPH in diesel range exceeded the MTCA Method A cleanup level in four of nine quarterly sampling events between 1991 and 1993. Groundwater movement beneath the F&G Facility was generally to the west at a gradient of approximately 0.003 feet per foot. An additional well (FG-MW1), downgradient of FG-11, was installed by SEACOR in 1994.

### Preclosure Site Assessment (1993)

Two of four USTs at this location (UBF-14 and UBF-15) failed a leak test in late 1991. The tanks were emptied and groundwater in the vicinity was sampled; no contamination was detected (Boeing 1992c). The tanks were to be removed concurrent with a facility upgrade in 1994.

A preclosure site assessment investigation was conducted by SEACOR at this site in November 1993 (SEACOR 1994a). Twenty-nine soil samples were collected from 16 soil borings (SB1 through SB16), ranging from 4 to 9 feet in depth (Figure 4-17). Petroleum hydrocarbon-impacted soil was identified at three locations within the deeper soils: on the east side of the investigation area; between the “F” and “G” slabs; and on the south side of the “F” slab (south of UBF-13). The impacted soil between the slabs suggests that the gasoline- and diesel-range hydrocarbons detected in this area may be associated with the underground product pipeline located west of the borings (SEACOR 1994a). The petroleum hydrocarbons detected in soil south of UBF-13 were within the heavy oil-range. A groundwater sample collected from FG-MW1 did not indicate the presence of petroleum hydrocarbons at this location.

The eight USTs at this site were scheduled to be excavated and removed prior to the construction of a new office building (Building 3-324) at this location (SEACOR 1994a). The eight monitoring wells at this site location were decommissioned in April 1994 (SEACOR 1994c).

### UST Removal (1994)

In May/June 1994, the eight USTs and associated piping were removed and approximately 375 cubic yards of soil were excavated. A total of 44 soil samples, including 37 samples from the excavation and 7 stockpile soil samples, were collected (SEACOR 1994c). Nineteen samples were collected from the “G” excavation area, 14 samples from the “F” excavation area, and 4 samples from the floor of the two product pipeline trench excavations (Figure 4-17). Samples were analyzed for TPH; stockpile soil samples were also analyzed for BTEX, TCLP metals, and PCBs.

Analytical results from the final excavation limits indicated that all TPH-impacted soil had been excavated (SEACOR 1994c). In the stockpile samples, diesel-range hydrocarbons were detected in one sample. BTEX were not detected. PCBs were detected in four of the stockpile samples. Aroclor 1254 and Aroclor 1260 were detected at concentrations below MTCA cleanup levels (SEACOR 1994c). Ecology’s LUST database reports a release as cleaned up at this location in June 1995.

#### **4.3.1.7 Former Building 3-304 (2000–2001)**

Table 4-8 summarizes soil data for analytes detected in the Building 3-304 investigations described below that exceed MTCA cleanup levels and/or soil-to-sediment screening levels. Results for all detected chemicals are presented in Appendix D.

Former Building 3-304 was located in the northwest portion of NBF. Prior to demolition and installation of a new utility corridor, a site investigation was conducted to evaluate soil conditions. The site investigation, which was completed in October 2000, evaluated the vertical and lateral extent of potential contaminants in soil to be excavated, and specifically included



areas to be excavated for the new utility trench and footings (CDM 2000). After coring through existing concrete, soil borings at nine locations were hand augered and sampled for VOCs, PCBs, TPH, and total metals (Figure 4-18). Fill was encountered at some locations immediately below the concrete flooring and was generally 3 to 6 inches thick. Analytical results indicated low concentrations of 2-hexanone, toluene, and xylenes, all below MTCA Method A cleanup levels. PCBs were detected in one sample (SS-3304-1, 1-foot depth) at 1.5 mg/kg total PCBs (CDM 2000). Petroleum hydrocarbons were detected in seven of nine borings at concentrations ranging from 11 to 300 mg/kg (diesel-range hydrocarbons) and 16 to 730 mg/kg (heavy oil-range hydrocarbons). Barium (to 65.4 mg/kg), cadmium (to 1.6 mg/kg), chromium (to 34.6 mg/kg), lead (to 81 mg/kg), mercury (to 5.1 mg/kg), and silver (to 0.5 mg/kg) were also detected in the soil samples (CDM 2000). TPH and mercury were present above MTCA cleanup levels in one sample location each, in the southwest area of Building 3-304; all other analytes were below MTCA cleanup levels.

During excavation of the new utility trench within the north end of Building 3-304, an apparently abandoned concrete structure was discovered approximately 4 feet below the floor slab (CDM 2001). The structure measured approximately 3 feet high by 6 feet in length, was filled with concrete debris, and a concrete pipe attached to the south end had been plugged with poured concrete. The actual function of the structure was unknown, but it may have been an oil/water separator serving the building, which was abandoned in place. Upon removal of the structure, a sheen was noted on the groundwater in the excavation, and the soils had a fuel-hydrocarbon-like odor (CDM 2001).

A soil assessment was conducted in November 2001 to document the concentration of fuel compounds and other chemicals in soil at the edges and base of the excavation. Five samples were collected from the sidewalls and base of the excavation on November 5, 2001. Petroleum hydrocarbons were detected in samples S4 and S5 (north sidewall and base of excavation, respectively). Gasoline-range hydrocarbons ranged from 67 to 1,100 mg/kg, diesel-range hydrocarbons ranged from 160 to 300 mg/kg, and heavy oil-range hydrocarbons ranged from 81 to 130 mg/kg (CDM 2001). Ethylbenzene, xylenes, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, isopropylbenzene, n-propylbenzene, sec-butylbenzene, 4-isopropyltoluene, and n-butylbenzene were detected at low levels in sample S5. Carcinogenic PAHs were not detected. PCBs were detected in sample S4 at 1.8 mg/kg (Aroclor 1254). Arsenic (to 11 mg/kg), chromium (to 12.4 mg/kg), lead (to 19 mg/kg), and mercury (2.68 mg/kg) were also detected (CDM 2001). Mercury exceeded the MTCA cleanup levels.

#### **4.3.1.8 Former Tanks BF-4, BF-5, and BF-6 (2006)**

Tanks BF-4, BF-5, and BF-6 were located to the south of the southeast corner of Building 3-626 (Figure 4-6). The tanks were historically used to provide fuel to an engine testing laboratory (Building 3-306). Tank BF-4 was a 10,000-gallon UST and was used to store excess fuel prior to recycling. Tanks BF-5 and BF-6 were 5,000-gallon USTs and used to store Jet A fuel and JP-4, respectively. Product piping connecting the UST complex to the former testing laboratory was installed in a 100-foot-long utility vault. The USTs were installed in 1986. The bottoms of the USTs rested at approximately 11.5 feet bgs and may be in contact with groundwater (EFI Global 2006).

The UST system was temporarily closed in late 2005 or early 2006. To extend the temporary closure status beyond 12 months, a site investigation, consisting of 11 soil borings (B-1 through B-11) around the USTs and utility vault was completed in October 2006. Fourteen soil samples were analyzed for petroleum hydrocarbons. Heavy oil-range hydrocarbons were detected below MTCA Method A cleanup levels between 4 and 4.5 feet bgs, 7 feet bgs, and 9 feet bgs. Diesel-range hydrocarbons below MTCA Method A cleanup levels were detected at 4.5 feet bgs (EFI Global 2006). These tanks were removed during 2008 (Bach 2009); it is not known whether additional samples were collected at that time.

#### **4.3.1.9 Former Tanks NBF-28 and NBF-29 (Wind Tunnel Area) (1985-1986)**

Tanks NBF-28 and NBF-29 were located at the western end of the wind tunnel test facility and north of Building 3-311 (Figure 4-19). The 5,000-gallon USTs were reportedly used to store jet fuel. The USTs were abandoned and filled with sand prior to the mid-1960s.

Soil samples collected in 1985 indicated the presence of hydrocarbons in soil adjacent to the USTs. In 1986, the USTs were removed from the site. During the removal activity, some evidence of floating hydrocarbons was observed on groundwater within the UST excavation. A recovery well was installed in the excavation. A groundwater sample collected from the well did not contain any floating product; the sample was analyzed for benzene, toluene, and xylenes, but these chemicals were not detected. Landau recommended decommissioning of the recovery well (Landau 1986a). Additional information regarding this area of NBF was not available for review.

#### **4.3.1.10 Inlet Development Facility, Building 3-353 (1989-1990)**

Table 4-9 summarizes soil data for analytes detected in the Building 3-353 investigations described below that exceed MTCA cleanup levels and/or soil-to-sediment screening levels. Results for all detected chemicals are presented in Appendix D.

##### Preconstruction Site Assessment (1989)

In 1989, a site assessment was performed prior to the construction of Building 3-353 (Figure 4-20). Five soil borings (SB-1 through SB-5) and three groundwater monitoring wells (GT-1114-1 through GT-1114-3) were advanced between Buildings 3-315 and 3-368 (the planned location for Building 3-353). Borings SB-1 through SB-4 were located within the planned foot print of Building 3-353 and boring SB-5 and the groundwater monitoring wells were located outside the planned foot print of the building. TPH was present in all five soil borings and the three groundwater monitoring wells between 2.5 and 10.5 feet bgs. In general, TPH concentrations exceeded 100 mg/kg in the soil samples collected at 3.0 feet bgs and above. PCBs were reported in one soil sample at a concentration of 2.9 ppm (SB-3 at 5.5 feet bgs). Arsenic, barium, cadmium, chromium, copper, lead, nickel, silver, and zinc were reported in the 2.5 feet bgs sample from each soil boring; but were not detected in the groundwater monitoring well borings. The groundwater monitoring wells were sampled in November 1989 and February 1990. TPH was not detected in the groundwater samples from either sampling event (GTI 1990c). On the figure accompanying the site assessment report, two sample locations, 1A and 2A, are shown; there is no explanation as to the purpose of these sample points.

### Remedial Excavation (1990)

In July 1990, a release of petroleum hydrocarbons occurred during excavation associated with construction of an Inlet Development Facility at NBF (Boeing 1990d). Eight soil samples (KH706A and KH706B and KH710A through KH710F) were collected from a utility trench for jet fuel lines located near an electrical transformer, and an underground vault (Figure 4-20) (GTI 1990b). Results indicated TPH concentrations of 30 to 77 mg/kg in the walls and bottom of the excavation, and 350 mg/kg in a pile of soil excavated from the vault area. One sample was analyzed for BTEX; these were not detected. None of the samples were analyzed for PCBs. Approximately 10 cubic yards of petroleum hydrocarbon-impacted soil were removed (Boeing 1990d).

#### **4.3.1.11 Green Hornet Area (1985-1986, 1992-1994)**

The Green Hornet Area tank farm was located near Buildings 3-311, 3-312, and 3-313, in the northern portion of NBF (Figure 4-21). The site was the location of three 12,000-gallon USTs (UBF-7, UBF-8, and UBF-9) associated with the Green Hornet Wind Tunnel Facility; they were used to store jet A fuel.

Tables 4-10 and 4-11 summarize soil and groundwater data for analytes detected in the Green Hornet Area investigations described below that exceed MTCA cleanup levels and/or soil-to-sediment or groundwater-to-sediment screening levels. Results for all detected chemicals are presented in Appendix D.

### Groundwater Monitoring Well Installation (1986)

Norton Corrosion advanced shallow soil borings around the three USTs in 1985 and encountered relatively high concentrations of hydrocarbons at the western ends of tanks UBF-7 and UBF-8. Lower concentrations of hydrocarbons were encountered on the eastern ends of tanks UBF-8 and UBF-9. In 1986, Landau installed four groundwater monitoring wells, GH-1 through GH-4 (one on each side of the UST pad). One soil and one groundwater sample was collected from each of the well borings, TPH was detected in all soil and groundwater samples and jet fuel was detected in three of the four soil samples. Kerosene was detected in all four groundwater samples. Benzene and xylene were also reported in the groundwater sample from well GH-2 (Landau 1986c).

### UST Removal and Remedial Action (1993)

The tanks, which were installed in 1950, failed a leak test in early 1992 (Boeing 1992f) and the fuel levels were immediately lowered to below the suspected leak area. On July 28, 1992, Boeing notified Ecology of their intent to permanently close the tanks (Boeing 1992f); the tanks were to be replaced with a single AST (Boeing 1992c).

These tanks were partially above and partially below the ground surface beneath a rectangular raised area, the surface of which was about 8 feet above the surrounding grade. The fueling facility at the Green Hornet Area was decommissioned in 1993; a site investigation conducted during the removal of the tanks found hydrocarbon-impacted soil (i.e., diesel-range hydrocarbons above MTCA Method A soil cleanup levels) in soil samples from the southern and western

sidewalls and floor of the excavation (SEACOR 1994b). Floating non-aqueous phase liquid (NAPL) was observed in well GH-4 (SEACOR 1994b). Following the completion of UST removal activities, wells GH-1 through GH-4 were decommissioned (SEACOR 1993e).

In September 1993, Boeing conducted an independent soil remedial action (Figure 4-21). Approximately 1,250 cubic yards of soil and a concrete oil/water separator were removed from the vicinity of the former Green Hornet tank farm (Figure 4-21; SEACOR 1994f). Petroleum-impacted soil was removed to the extent feasible; however, impacted soil was not removed if existing structures would have been compromised, or where soil impacts were apparently related to the fluctuation of hydrocarbon-impacted groundwater. A visible hydrocarbon sheen was observed on groundwater (observed at approximately 5 feet bgs), which accumulated in the excavation (SEACOR 1994b). Groundwater was indicated to be towards the east at a gradient from 0.010 to 0.031 feet per foot.

Soil samples collected from the sides of the excavation detected the following chemicals above MTCA soil cleanup levels: petroleum hydrocarbons (gasoline-range, diesel-range, total recoverable petroleum hydrocarbons [TRPH]), benzo(a)anthracene, chrysene, benzo(b)fluoranthene, and benzo(a)pyrene. Three samples were analyzed for PCBs, which were not detected. Analysis results show that TPH-impacted shallow soil remains on the southeast and south sides of the excavation perimeter. In addition, impacted deeper soils (i.e., > 4 feet bgs) remain on the northeast, east, and west excavation perimeters (SEACOR 1994f).

#### *Supplemental Site Assessment (1993)*

A supplemental site assessment investigation was conducted in November–December 1993 (SEACOR 1994b). Six monitoring wells were installed (GH-MW1 through GH-MW6), and soil and groundwater samples were collected (Figure 4-21). Soil samples from three of the borings contained petroleum hydrocarbons (gasoline- and diesel-range); one sample contained low levels of total xylenes. Samples from borings GH-MW2 and GH-MW3 contained gasoline- and diesel-range hydrocarbons at concentrations above the MTCA Method A soil cleanup level (500 mg/kg and 1,600 mg/kg, respectively).

In groundwater, well GH-MW4 contained gasoline-range hydrocarbons, TRPH, and total xylenes (3.2 mg/L, 8.8 mg/L, and 36 µg/L, respectively) above the MTCA groundwater cleanup level. Well GH-MW5 contained diesel-range hydrocarbons (5,000 µg/L) above the MTCA groundwater cleanup level. These wells are located to the east of the former Green Hornet tank farm. In contrast to the 1992/1993 groundwater monitoring, this investigation indicated groundwater flow is to the west-southwest at a gradient of approximately 0.001 feet per foot, and therefore the MTCA cleanup level exceedances are located upgradient of the site (SEACOR 1994b).

The investigation concluded that, although petroleum-impacted soil and groundwater are present at this location, their extent is limited, the area is paved with asphalt, and the area is not accessible to the general public, and therefore the site poses a low environmental risk (SEACOR 1994b). Groundwater monitoring for diesel-range hydrocarbons continued until at least 1998 (Boeing 1998c); results indicated continuing detections of diesel-range hydrocarbons in GH-MW4.

Ecology's LUST database lists a release as "Reported Cleaned Up" in June 1995 at this location.

### 4.3.1.12 Building 3-354 (1991-1992)

A potential release was identified during a pre-construction environmental exploration of a site for proposed Building 3-354 (Boeing 1991b). The site is located on the north side of the Apron A blast fence in the Power Plant Test Area. Eight soil borings, SB-1 through SB-8, were drilled in October 1991, to depths of 5.5 to 7 feet (Figure 4-22). Samples were analyzed for TPH, VOCs, metals, and PCBs. TPH concentrations ranged from 10 to 560 mg/kg. VOCs were not detected. PCBs (Aroclor 1260) were detected in two samples (SB-1 at 0.3 mg/kg and SB-4 at 0.1 mg/kg) (GTI 1991a). Metals concentrations were low. TPH exceeded the MTCA Method A cleanup level in samples from borings SB-3, SB-4, and SB-5, located around the perimeter of a concrete slab near the center of the proposed building (GTI 1991a). The area around these three samples was subsequently excavated. Based on a sample of the excavated material, Boeing concluded that the earlier TPH results were inaccurately interpreted as a release, and were more likely the result of asphalt debris in the samples (Boeing 1992e).

### 4.3.1.13 Summary of Chemicals in Soil and Groundwater at PEL Area

Summary of Chemicals in Soil and Groundwater at PEL Area Above MTCA and/or Screening Levels			
Chemical Class	Chemical	Soil	GW
Metals	Arsenic	◆	
	Chromium	◆	
	Mercury	◆■	
PAHs	Benzo(a)anthracene	■	
	Benzo(a)pyrene	◆	
	Fluorene	■	
	Naphthalene	◆■	
	cPAHs, total	◆	
Phthalates	BEHP	■	
Other SVOCs	2-Methyl naphthalene	■	
	Dibenzofuran	■	
	Hexachloro-butadiene	■	
PCBs	PCB, total	◆	◆■
Petroleum Hydrocarbons	TPH-diesel	◆	◆
	TPH-gasoline	◆	◆
	Jet Fuel	◆	◆
	Kerosene		◆
	TPH	◆	◆
VOCs	Benzene		◆
	Methylene Chloride	◆	
	TCE	◆	
	Xylenes, total	◆	

◆ Exceeds MTCA Soil or Groundwater Cleanup Level

■ Exceeds draft Soil-to-Sediment or Groundwater-to-Sediment screening level (SAIC 2006)

Note: Orange shading indicates that the chemical was detected in soil; however, the soil containing these chemicals was removed from the site through remedial excavation.

### 4.3.2 Central Area of North Boeing Field

The Central Area of NBF encompasses Concourse A at the northern end and the Main Fuel Farm at the southern end. The western boundary of the area is East Marginal Way S and the eastern boundary is Concourse C. Investigations that have been conducted in the Central Area are shown in Figure 4-23; sampling locations for specific source areas are shown in Figures 4-24 through 4-40. Tables 4-12 through 4-28 list soil and groundwater sampling results for chemicals with detected concentrations above regulatory or screening levels. Tables that list sampling results for all detected chemicals in soil and groundwater at each potential source area are provided in Appendix E.

Information was reviewed and summarized for the following potential source areas within the Central Area:

- Concourse A
- Former Buildings 3-360 and 3-361 and Building 3-365
- Buildings 7-027-1, 7-027-2, and 7-027-3 (Markov Property)
- Building 3-380
- Building 3-390
- Building 3-369
- Former UBF-22 and UBF-23
- Flight Test and Delivery Center (Building 3-800)
- Flight Test Engineering Lab (Building 3-801)
- Main Fuel Farm
- Building 3-818
- Concourse B
- Concourse C Flight Line Utility Corridor

#### 4.3.2.1 Concourse A

Tables 4-12 and 4-13 summarize soil and groundwater data for analytes detected in the Concourse A area investigations described below that exceed MTCA cleanup levels and/or soil-to-sediment or groundwater-to-sediment screening levels. Results for all detected chemicals are presented in Appendix E.

##### Utilidor Project (1990)

In June 1990, petroleum-impacted soil was encountered during a linear excavation for a utilidor of approximately 1,000 feet long and varying in depth from 6 to 8 feet (Figure 4-24). A ground penetrating radar (GPR) survey was conducted along the utilidor route; several suspect areas were identified, which could have been underlain by buried tanks (GTI 1990a).

Suspect soils encountered during utility relocation were stockpiled to the northeast of the Apron A blast fence; the pile was subsequently moved to the Building 3-380 construction area for aeration.

One area was underlain by a “French drain” or flume; the drain was filled with gravel and sludge, and the wooden sides were coated with tar (GTI 1990a). Tar, sludge, and surrounding soil were sampled and analyzed for TPH, PCBs, PAHs, and metals. Low levels of PAHs including phenanthrene, fluoranthene, pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, and benzo(a)pyrene were detected. Benzo(b)fluoranthene was detected in one sample at 0.17 mg/kg, which is above the current MTCA Method B cleanup level of 0.14 mg/kg. PCBs were not detected.

Another area contained six abandoned pipes, and a third area was underlain by a large concrete wall or foundation structure. Soils to the immediate east of the concrete appeared to contain hydrocarbons; this soil was stockpiled at the east end of the utilidor. Soil samples indicated the presence of TPH to 23,000 mg/kg.

Stockpile samples were analyzed for TPH; a subset of samples was analyzed for BTEX, PAHs, and PCBs. No PCBs were detected. Approximately 200 cubic yards of soil containing TPH above 200 mg/kg were disposed of (Boeing 1990c).

#### Oil/Water Separator Preconstruction Assessment (1996)

During facility upgrade activities, Boeing planned to install four oil/water separators on Concourse A. Four soil borings, A2, A4, A5, and A6, were advanced in the proposed areas for oil/water separators on Concourse A (Figure 4-25). Soil and groundwater samples were collected from borings A5 and A6. Impenetrable subsurface concrete prevented soil and groundwater sampling from boring A2 and A4. Gasoline- and diesel-range hydrocarbons exceeded MTCA Method A cleanup levels in boring A5. BTEX constituents were present below cleanup levels in boring A5. In boring A6, TPH was reported at 18.00 mg/kg and BTEX was not present. PCBs were not detected in either boring. TPH, toluene, 1,2,3-trimethylbenzene, PAHs, phthalates, 2-methylnaphthalene, and metals were present in the groundwater samples (SECOR 1996d).

#### Storm Drain Repair, Apron A/B Flight Line Areas (Fall 2008)

A video inspection revealed the presence of a degraded corrugated metal pipe that was rusting through in the Apron A/B flight line areas (Bach 2008d). A section of corrugated metal storm drain pipe was repaired and relined (Figure 4-41b). The pipe was located in an area that required excavation and involved removal of a portion of the corroded metal pipe. Soils excavated during this activity were stockpiled on site, and samples of the stockpiled soil were analyzed for PCBs. PCBs were detected at concentrations of 2.2 to 7.5 mg/kg in a 25- to 50-cubic yard soil stockpile that originated from storm drain repair (Bach 2008b). The stockpiled soil was cleared for landfill disposal and was removed from the site (Bach 2008c). Approximately 40 tons of soil was removed (Bach 2008e).

Summary of Chemicals in Soil and Groundwater at Concourse A

Summary of Chemicals in Soil and Groundwater at Concourse A Above MTCA and/or Screening Levels			
Chemical Class	Chemical	Soil	GW
Metals	Arsenic		◆
	Cadmium		◆■
	Chromium		◆■
	Copper		◆■
	Lead		◆■
	Manganese		◆
	Selenium		◆
	Vanadium		◆
	Zinc		■
SVOCs	2-Methyl naphthalene	■	◆■
	BEHP		◆■
Petroleum Hydrocarbons	TPH-diesel	◆	
	TPH-gasoline	◆	
	TPH		◆
VOCs	Benzene	◆	

- ◆ Exceeds MTCA Soil or Groundwater Cleanup Level
- Exceeds draft Soil-to-Sediment or Groundwater-to-Sediment screening level (SAIC 2006)

**4.3.2.2 Former Buildings 3-360 and 3-361 and Building 3-365 (1991, 1993-2003)**

Tables 4-14 and 4-15 summarize soil and groundwater data for analytes detected in the Building 3-360/3-361/3-365 area investigations described below that exceed MTCA cleanup levels and/or soil-to-sediment or groundwater-to-sediment screening levels. Results for all detected chemicals are presented in Appendix E.

This area consists of approximately 1.8 acres of property encompassing Buildings 3-360, 3-361, and 3-365, and the employee parking lot north of Building 3-365 (Figure 4-26). It is bounded by S Willow Street to the north, S Myrtle Street to the south, Occidental Avenue to the east, and Ellis Avenue S to the west. The site is at an elevation of approximately 12 feet above MSL; topography is relatively level with a slight slope toward the west. Groundwater was encountered at depths from 7.5 to 11 feet bgs. Groundwater flow direction is consistently toward the south.

Former Building 3-360 was used as a metals laboratory in the 1960s and 1970s. Boeing plans indicate that the building also housed a paint room, photograph laboratory, and a dark room. X-ray equipment, optics, electron microscopes, and heat treating equipment were used in the building. A boiler and heating oil tank were removed from the building in August 1987. The building was later used for tool storage until it was demolished in December 2001 (Landau 2002b). In May 2002, the area was paved and used for outdoor tool storage (Landau 2002c).



Pre-Construction Site Assessment (1991)

A pre-construction environmental investigation was conducted at this location in November 1991 (SEACOR 1992a). During the investigation, 14 soil borings (SB-1 through SB-8 and MW-1 through MW-4) were advanced and 4 groundwater samples were collected and submitted for chemical analysis (Figure 4-26). Soil borings were drilled to depths ranging from 7.5 to 20 feet. Four soil borings were converted to groundwater monitoring wells MW-1 through MW-4. TPH, acetone, methylene chloride, and metals were detected in soil samples; none of the analytes exceeded their respective MTCA Method A soil cleanup levels. TPH, 1,2-dichloroethene (DCE), methylene chloride, tetrachloroethene (PCE), TCE, copper, nickel, and zinc were detected in groundwater. TPH (1,000 to 4,600 µg/L) and TCE (1,000 µg/L) were detected above the MTCA Method A groundwater cleanup levels (SEACOR 1992a). TCE was detected at a concentration 200 times greater than the cleanup level. PCBs were not detected; however, only three soil samples and two groundwater samples were analyzed for PCBs. In addition, the detection limit for PCBs in groundwater was 10 times higher than the MTCA Method A cleanup level.

Groundwater Monitoring Well Installation (1995)

Four additional monitoring wells, MW-5 through MW-8 were installed in 1995 (Figure 4-26). Groundwater was encountered between 7.5 and 10 feet bgs. Well screens were installed between 5 and 20 feet bgs. Soil samples were screened for VOCs using a photoionization detector (PID). The PID readings did not indicate the presence of VOCs in the soil samples; therefore, no soil samples were submitted for laboratory analysis (SEACOR 1995b).

In 1995, three more monitoring wells, MW-9 through MW-11, were installed to identify the source area for VOC contamination within the Building 3-360 site. Seventeen soil samples were screened for VOCs and three were submitted for laboratory analysis; however, VOCs were not detected in the soil samples, indicating that a soil-to-groundwater VOC source was not present in the investigation area. Cis-1,2-DCE, TCE, and PCE were present in groundwater collected from wells MW-9 through MW-11; TCE concentrations exceeded the MTCA Method A cleanup level in all three wells. Additional investigation to the east of well MW-11 was recommended to define the boundaries of the VOC plume (SEACOR 1996c).

Catch Basin Repair and Remedial Excavation (2002)

During repair activities to Catch Basin No. 122 (at the northeast corner of former Building 3-360) in early 2002, VOC-contaminated soil was discovered near the location of former Building 3-360. VOCs in soil included cis-1,2-DCE and TCE. Boeing excavated approximately 6 cubic yards of soil during the catch basin repair activities (Landau 2002b).

An interim remedial action was performed in March 2002 to remove the VOC-contaminated soil adjacent to the former Building 3-360 foot print and around Catch Basin No. 122. Approximately 165 cubic yards of soil were excavated and removed from an area covering 584 sq ft. The lateral extent of the excavation was limited to the north and east by the presence of underground utilities. The maximum depth of the excavation was 9.5 feet bgs. Groundwater was encountered in the excavation between 8 and 9 feet bgs; which limited the vertical extent of the excavation. Six samples were collected from the excavation and analyzed for VOCs, TPH, and metals. Concentrations of cis-1,2-DCE and TCE that exceeded MTCA cleanup levels appear to have

been left in place on the north, west, and south sides of the excavation. All other chemicals were either not detectable or were detected at concentrations below cleanup levels. Three trenches were dug out at the bottom of the excavation. Prior to backfilling the excavation, the trenches were filled with approximately 300 pounds of Hydrogen Releasing Compound (HRC) to promote biodegradation of VOCs (Landau 2002b).

#### *Supplemental Site Assessment (2002)*

In May 2002, thirteen direct-push borings, DP-1 through DP-13, were advanced to depths between 30 and 112 feet bgs (Figure 4-26). Continuous soil samples were collected in the vadose zone from each boring and screened for VOCs with a PID. Only one soil sample, DP-1 from 8-10 feet bgs, was submitted for laboratory analysis; cis-1,2-DCE and TCE were reported at 0.034 and 0.2 mg/kg in the sample. Soil samples were collected in the saturated zone from borings DP-9 and DP-10 and were also screened with a PID; this screening indicated that VOCs were not present in the saturated zone soil. Discreet groundwater samples were collected at 15-foot intervals beginning at 15 feet bgs from each boring and analyzed for VOCs. In general, the greatest VOC concentrations were reported in the 15 feet bgs sample and decreased by at least one order of magnitude in the 30 feet bgs sample. Concentrations in groundwater below 30 feet bgs were generally nondetectable or equal to the 30 feet bgs concentration. In the 15 feet bgs samples, cis-1,2-DCE and TCE concentrations were generally greater than 100 µg/L. Concentrations of other VOCs were typically less than 10 µg/L and frequently less than 1 µg/L (Landau 2002c).

Another objective of the May 2002 investigation was to confirm the presence or absence of an aquitard at 50 feet bgs. The direct-push probes, some of which extended as deep as 112 feet bgs, did not encounter the aquitard (Landau 2002c).

#### *Groundwater Monitoring Well Installation (2002)*

Monitoring well NGW212 was installed in October 2002 to help evaluate the effectiveness of the HRC in reducing VOC concentrations in groundwater. The well was installed downgradient of the May 2002 excavation and boring DP-1. Soil samples were screened for VOCs using a PID, but no samples were submitted for laboratory analysis (Landau 2003).

#### *Groundwater Monitoring (1993 to Present)*

Quarterly monitoring was performed from 1993 to 1995 and was changed to semi-annual monitoring during 1996. Groundwater monitoring continues to be performed at this location. TCE above the MTCA Method A cleanup level was detected in most wells during all sampling events. Cis-1,2-DCE and vinyl chloride were consistently detected above MTCA cleanup levels (Landau 2002b).

Boeing personnel sampled the site wells in February 2002. Cis-1,2-DCE and TCE were detected above MTCA Method A cleanup levels in one or more site wells (Landau 2002a).

Wells MW-1 through MW-11 were renamed NGW201 through NGW211 at some time between 1996 and 2002. Additionally, well NGW205 (former MW-5) was abandoned, possibly during the excavation activities performed in 2002.

Wells NGW209 and NGW212 were sampled in December 2002 and January 2003. Well NGW209 was selected to represent background groundwater conditions as the well was close to, but cross-gradient from the May 2002 excavation and well NGW212; therefore, it was expected to be outside the area of groundwater that may be affected by the HRC. Results were also compared to the 15 feet bgs groundwater sample collected from boring DP-1 to determine the effectiveness of the HRC. Comparison of the groundwater sample results from well NGW212 and DP-1 indicated a decrease in TCE concentrations and an increase in cis-1,2-DCE and vinyl chloride (TCE breakdown products) concentrations, indicating that the HRC was enhancing reductive dechlorination of TCE in groundwater. TCE concentrations in well NGW209 were consistent with previous results (Landau 2003).

Summary of Chemicals in Soil and Groundwater Near Buildings 3-360, 3-361, and 3-365

Summary of Chemicals in Soil and Groundwater Near Buildings 3-360, 3-361, and 3-365 Above MTCA and/or Screening Levels			
Chemical Class	Chemical	Soil	GW
Metals	Arsenic	◆	◆
	Cadmium		◆■
	Chromium		◆
	Lead		◆■
	Mercury		■
	Zinc		■
Petroleum Hydrocarbons	TPH		◆
VOCs	Chloroform		◆
	cis-1,2-DCE		◆
	Methylene Chloride	◆	◆
	PCE		◆
	TCE	◆	◆
	Vinyl Chloride		◆

◆ Exceeds MTCA Soil or Groundwater Cleanup Level  
 ■ Exceeds draft Soil-to-Sediment or Groundwater-to-Sediment screening level (SAIC 2006)

**4.3.2.3 Buildings 7-027-1, 7-027-2, and 7-027-3, Markov Property (1991)**

Tables 4-16 and 4-17 summarize soil and groundwater data for analytes detected in the Building 7-027-1 / 7-027-2 / 7-027-3 area investigations described below that exceed MTCA cleanup levels and/or soil-to-sediment or groundwater-to-sediment screening levels. Results for all detected chemicals are presented in Appendix E.

The area consists of approximately 1.2 acres of property encompassing Building 7-027-1 and former Buildings 7-027-2, 7-027-3, and 3-300, located on the northwest side of NBF (Figure 4-27). A 1,000-gallon AST, used to temporarily store processing water and fluorescent dye, is located along the north side of Building 7-027-1. A drum storage shed is present at the western corner of the building. A containment dike is in place around the storage shed (Landau 2002a).

The site is bounded by a parking lot to the north, East Marginal Way S to the south, Occidental Avenue to the east, and a concrete ditch and hotel to the west. The asphalt area south of Building

7-027-1 is the location of a former service station (SEACOR 1992a). The site is at an elevation of approximately 12 feet above MSL; topography is relatively level with a slight slope toward the west. Groundwater was encountered at depths from 7.5 to 11 feet bgs. This area is referred to as the Markov Property and Building 7-027-1 is also known as the Markov Building.

From 1949 to 1990, Vic Markov Tire operated on the property. The facility included a fuel service station and garage with two hydraulic hoists. Three 10,000-gallon and two 1,000-gallon USTs, product and vent lines, and dispenser islands and pumps were removed from the property in 1987 by King County. No soil analyses were performed. However, the area appeared to be free of contamination. The USTs reportedly contained leaded gasoline and aviation fuel (Landau 2002a).

Boeing apparently subleased a portion of the property from Markov from November 1986 to 1990 and began leasing the property from King County in 1990 (Landau 2002a).

Boeing used Buildings 7-027-2, 7-027-3, and 3-300 to store aircraft parts used in testing. No chemicals were stored in these buildings. Buildings 7-027-2, 7-027-3, and 3-300 were demolished in December 2001 (Landau 2002a).

Building 7-027-1 housed an x-ray room and film developing area, an ultrasound parts testing tank, magnaflux unit, parts washer, dye penetrating unit and dry powder developer, black light inspection area, satellite hazardous waste accumulation area, and a flammable materials storage closet. Hazardous materials inventories indicated that the following materials were stored in the building:

- Daraclean 282 (alkaline parts cleaner), 60 gallons
- ZL-60C Water Washable Penetrant, 55 gallons
- Kodak Developer and Fixer, 5 gallons of each
- Various paints, adhesives, greases, and lubricants, small quantities between 12 ounce and 1 gallon
- Various cleaners, penetrants, emulsifiers, sealers and finishers, small quantities between 3 ounces and 5 gallons (Landau 2002a)

Wash water, detergents, and water from the ultrasound parts testing tank are discharged to the sanitary sewer under the NBF waste discharge permit. Water from the ultrasound tank is treated with a green algae inhibitor before discharge. Wastewater and dye stored in 1,000-gallon AST is transported annually to the NBF wastewater treatment plant to be treated prior to discharge to the sanitary sewer. Used mineral oil and iron oxide from the magnaflux unit is temporarily stored in 55-gallon drums and powder and filters from the dry powder developer and black light room are collected at the building. Boeing Facilities Maintenance personnel pickup and arrange for proper disposal of the wastes (Landau 2002a).

### Pre-Construction Site Assessment (1991)

A pre-construction environmental investigation was conducted at this location in November 1991 (Figure 4-27) (SEACOR 1992a).<sup>6</sup> During the investigation, 16 soil and 4 groundwater samples were collected and submitted for chemical analysis. Soil borings SB-1 through SB-8, MW-1 through MW-4, HA-1, and HA-2 were drilled to depths ranging from 7 to 21.5 feet. TPH, benzene, and metals were detected in soil samples; none of the analytes exceeded their respective MTCA Method A soil cleanup levels. TPH, benzene, ethylbenzene, methylene chloride, toluene, TCE, xylenes, copper, lead, and zinc were detected in groundwater. TPH (1,700 to 2,000 µg/L), ethylbenzene (100 µg/L), TCE (24 µg/L), and total xylenes (380 µg/L) exceed MTCA Method A groundwater cleanup levels (SEACOR 1992). PCBs were not detected; however, only two soil samples and one groundwater sample were analyzed for PCBs. In addition, the detection limit for PCBs in groundwater was 10 times higher than the MTCA Method A cleanup level.

### Supplemental Site Assessment (1993)

A supplemental site investigation was conducted in February 1993 to assess subsurface soil and groundwater conditions at the site relative to select chemicals and to supplement previously collected data (SEACOR 1993b). Five soil borings, SB-9A through SB-13A were advanced (Figure 4-27). Ten subsurface soil samples and four groundwater samples were collected and analyzed for gasoline- and diesel-range hydrocarbons; in addition, a subset of soil and groundwater samples were analyzed for BTEX and/or VOCs. Contaminants in groundwater were below MTCA Method A cleanup levels with the following exceptions: gasoline-range hydrocarbons, ethylbenzene, and xylenes in MW-2; vinyl chloride and TCE in MW-3; vinyl chloride in MW-4. Vinyl chloride and TCE were detected at concentrations to 1.2 µg/L and 22 µg/L, respectively (SEACOR 1993b). Data indicate that groundwater was moving to the south at a gradient of 0.0016 feet per foot. Contaminants in soil were below MTCA Method A cleanup levels.

### Remedial Excavation (2002)

During demolition activities and grading/paving activities from December 2001 to February 2002, rubber shavings were encountered at Building 7-027-3. Approximately 25 cubic yards of soil were removed and disposed of off site. Approximately 190 cubic yards of contaminated soil were removed from the northern portion of the property, including approximately 50 cubic yards of contaminated soil around well MW-4. Soil samples were not collected from the bottom or side walls of the excavation. Stockpile soil samples contained TPH concentrations ranging from 163 to 16,500 mg/kg (in soil removed from the northeast corner of the property) and TCE concentrations ranging from 1.44 to 4.30 mg/kg. The northern area of the property has been paved (Landau 2002a). The excavation limits are unknown.

### Groundwater Monitoring (2002)

In January and February 2002, Boeing personnel sampled the site wells. Four groundwater samples were analyzed for TPH and VOCs. TCE was the only chemical detected above MTCA

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<sup>6</sup> The copy of this report available for review by SAIC did not include data tables.

Method A cleanup levels. TPH, BTEX, and vinyl chloride were not detected in any of the groundwater samples. Groundwater flow direction was to the south-southwest. This was the first sampling event since 1993 (Landau 2002a).

Summary of Chemicals in Soil and Groundwater at Buildings 7-027

Summary of Chemicals in Soil and Groundwater Above MTCA and/or Screening Levels			
Chemical Class	Chemical	Soil	GW
Metals	Arsenic	◆	
	Copper	■	
	Lead		◆ ■
	Zinc	■	
Petroleum Hydrocarbons	TPH-gasoline		◆
	TPH		◆
VOCs	Benzene	◆	◆
	Methylene Chloride	◆	
	TCE		◆
	Vinyl Chloride		◆

- ◆ Exceeds MTCA Soil or Groundwater Cleanup Level
- Exceeds draft Soil-to-Sediment or Groundwater-to-Sediment screening level (SAIC 2006)

**4.3.2.4 Building 3-380 (1989-1990)**

Building 3-380 is a paint hangar that was constructed between late 1990 and 1993 (Figure 4-28). The building replaced Buildings 3-370 through 3-373, which were demolished in late 1989 or early 1990 (GTI 1990d). Prior to the construction of Building 3-380, two environmental assessments were performed in 1989 and 1990.

Tables 4-18 and 4-19 summarize soil and groundwater data for analytes detected in the Building 3-380 area investigations described below that exceed MTCA cleanup levels and/or soil-to-sediment or groundwater-to-sediment screening levels. Results for all detected chemicals are presented in Appendix E.

Pre-Construction Site Assessment (1989)

During the 1989 assessment, four groundwater monitoring wells, GT-1 through GT-5, were installed in and around the planned footprint for Building 3-380 (Figure 4-28). The wells were installed at approximately 16.5 feet bgs. Soil and groundwater samples collected from the wells were analyzed for VOCs and metals. VOCs were not detected in the samples. Metals were detected in soil and groundwater. In soil, metals concentrations did not exceed background levels provided by the King County Health Department. In groundwater, arsenic, chromium, and mercury concentrations exceeded drinking water standards (GTI 1989a).

### Pre-Construction Site Assessment (1990)

The site wells were sampled and 25 soil borings and 10 test pits were advanced within the planned footprint for Building 3-380 in 1990 (Figure 4-28). Groundwater samples were collected from each well and analyzed for TPH, VOCs, SVOCs, and metals. TPH, VOCs, and SVOCs were not detected in the groundwater samples. Arsenic, chromium, copper, and zinc were detected at concentrations less than or equal to the EPA maximum contaminant limit (MCL). Wells GT-2 through GT-5 were abandoned during the soil investigation. Well GT-1 was not abandoned due to the presence of a large stockpile, which covered the well (GTI 1990d).

Soil borings were advanced to 6 feet bgs. Discreet soil samples and composite soil samples were collected for laboratory analysis. Composite soil samples were composed of soil from two adjacent borings. Since an uneven number of borings was advanced, the sample from Boring 4 was not combined with another boring. Twenty-six soil samples were submitted for laboratory analysis; 13 discreet soil samples were analyzed for TPH, VOCs and SVOCs; 13 composite soil samples were analyzed for PCBs; and four of the 13 composite samples were analyzed for metals. TPH, benzoic acid, benzo(a)pyrene, and arsenic were detected in some of the soil samples. Concentrations of these chemicals were below Federal and State cleanup standards (GTI 1990d).

Soil samples from the 10 test pits were field screened for VOCs using a PID. PID readings indicated that VOCs were not present in the soil (GTI 1990d).

### Soil Remediation Activities (1990)

In May 1990, approximately 900 cubic yards of diesel-contaminated soil was removed from the new Flight Test Center (Building 3-800) and treated at the Building 3-380 construction site. The soil was bioremediated over a period of four months to reduce diesel concentrations to under 200 mg/kg. Approximately 350 cubic yards of the treated soil was used as fill material at North Boeing Field. The remaining soil was disposed of at Coal Creek Landfill in King County, Washington (Hart Crowser 1990e).

### Potential PCB Sources to Slip 4 Study (2008)

In September 2008, an environmental investigation was performed at GTSP and NBF to identify potential PCB sources to Slip 4 (Figure 4-8). Fifteen soil samples (and one duplicate sample) were collected from 15 soil borings (SD08-01 to SD08-15) adjacent to a new storm drain line, which runs perpendicular to the western side of Building 3-380, then jogs north and runs approximately parallel to the GTSP Flume. PCBs were not detected in any of the soil samples collected along the new storm drain line (Landau 2008a).

### Soil and Catch Basin Investigation (2008)

In November 2008, 14 soil borings (NBF-SD16 through NBF-SD22 and NBF-SD24 through NBF-SD30) were advanced between soil borings SD08-01 through SD08-15, which were advanced along the new storm drain line during the September 2008 potential PCB sources study (Figure 4-29). Twenty-seven soil samples and one duplicate sample were collected from the soil borings. PCBs were detected in 10 of the 27 samples, with total PCB concentrations ranging

from 0.037 to 0.6 mg/kg. PCBs were detected in borings NBF-SD20 through NBF-SD22, NBF-SD24, and NBF-SD26 through NFB-SD29 (Landau 2008b).

Summary of Chemicals in Soil and Groundwater at Building 3-380 Area

Summary of Chemicals in Soil and Groundwater Above MTCA and/or Screening Levels			
Chemical Class	Chemical	Soil	GW
Metals	Arsenic	◆	◆
	Chromium		◆
	Mercury	■	
	Zinc		
PAHs	Benzo(a)pyrene	◆	
	Total cPAHs	◆	
PCBs	PCB, total	◆	

◆ Exceeds MTCA Soil or Groundwater Cleanup Level  
 ■ Exceeds draft Soil-to-Sediment or Groundwater-to-Sediment screening level (SAIC 2006)

**4.3.2.5 Building 3-390 (1989-1991)**

In 1986, two fuel USTs were removed from the area north of Building 3-390 that was along a planned utilidor route. In March 1990, a site assessment was performed at the former UST area prior to trenching the utilidor. Five soil borings, B-1 through B-5, were advanced to depths between 8 and 13.5 feet bgs in the former UST area (Figure 4-30). Soil samples were collected from each boring and field screened for VOCs using a PID; no VOCs were detected by the PID. Four soil samples were submitted to a laboratory for hydrocarbon screening. The analytical results did not indicate the presence of hydrocarbons in the soil samples (GTI 1990d).

A third UST, UBF-30, was removed from the area north of Building 3-390 in September 1989. The 120-gallon diesel UST was in good condition when removed. TPH concentrations in the excavation sidewall and bottom samples ranged from 100 to 380 mg/kg. Additional soil was removed from the excavation. TPH concentrations in the final sidewall and bottom samples ranged from nondetectable to 140 mg/kg (Hart Crowser 1990c).

**4.3.2.6 Building 3-369 (1989-1991)**

Building 3-369 was built in 1967 and is used as a paint hangar. The hangar is equipped with a water wash paint system. Paint, wash water, and cleaning compounds accumulate in plenum sumps underlying the hangar floor (GTI 1989b). A wastewater treatment plant is included in this building.

Table 4-20 summarizes soil data for analytes detected in the Building 3-369 area investigations described below that exceed MTCA cleanup levels and/or soil-to-sediment screening levels. Results for all detected chemicals are presented in Appendix E.



Soil and Groundwater Assessment (1989)

An environmental site assessment was performed in 1989 to determine if soil or groundwater contamination was present due to potentially leaking sumps. Three groundwater monitoring wells, GT88-1 through GT88-3, were installed around the perimeter of the building (Figure 4-31). The wells were installed at 14 feet bgs, with approximately 10 feet of well screen. Groundwater flow direction was to the north. Soil samples from the well borings were screened for VOCs using a PID. Soil samples were archived with a laboratory; however, no laboratory analyses were performed. Groundwater samples were collected from the wells and analyzed for VOCs and metals. VOCs were detected only in well GT88-2; ethylbenzene and total xylenes were the only VOCs reported in the sample. Well GT88-2 is the downgradient well. Antimony, chromium, copper, mercury, nickel, thallium, and zinc were present in low concentrations (GTI 1989b). Chemical concentrations for VOCs and metals were below MTCA Method A cleanup levels.

Pre-Construction Environment Assessment (1991)

In 1991, a pre-construction environmental assessment was performed on the southwest side of Building 3-369 prior to UST installation activities (Figure 4-31). A groundwater sample was collected from GT88-1 and analyzed for total oil and grease, TTO, cyanide, and metals. Cyanide was not detected in the sample and metals and TTO concentrations were below METRO discharge limits; however, cadmium, chromium, and lead concentrations exceeded MTCA cleanup levels. During the UST installation activities, a field geologist screened excavated soil for VOCs with a PID and collected soil samples for laboratory analysis. PID screening did not indicate the presence of VOCs in soil; therefore, no laboratory analyses were performed. Approximately 150 cubic yards of soil were removed and hauled off site. An 8,000-gallon UST was installed in the excavation (GTI 1991c).

Summary of Chemicals in Groundwater at Building 3-369 Area

Summary of Chemicals in Groundwater Above MTCA and/or Screening Levels			
Chemical Class	Chemical	Soil	GW
Metals	Antimony		◆ ■
	Chromium		◆ ■
	Copper		◆ ■
	Mercury		■
	Zinc		■

◆ Exceeds MTCA Soil or Groundwater Cleanup Level  
 ■ Exceeds draft Soil-to-Sediment or Groundwater-to-Sediment screening level (SAIC 2006)

**4.3.2.7 UBF-22 and UBF-23, Building 3-374 (1995)**

Four groundwater monitoring wells, BF-OW22A through BF-022D, were installed on the western and eastern sides of the USTs in June 1986 (Figure 4-31). The wells were decommissioned and the well casings removed in November 1992 (SEACOR 1993a).

During decommissioning and removal of two 20,000-gallon #6 fuel oil USTs (UBF-22 and UBF-23), located near Building 3-374 and used for storage of backup fuel, odor and soil staining were observed, which indicated the potential presence of petroleum hydrocarbon contamination. An investigation and corrective action was conducted, which included the removal of approximately 135 cubic yards of soil (Boeing 1995a). Excavated soil showed up to 440 mg/kg TPH, all within the diesel range. Soil contamination did not extend to the water table, and a site assessment confirmed removal of all TPH-impacted soil (SEACOR 1994e). None of the soil samples were analyzed for PCBs. The release was reported cleaned up in January 1995, according to Ecology's LUST database.

#### **4.3.2.8 Flight Test and Delivery Center, Building 3-800 (1989–1993)**

Building 3-800, the Flight Test and Delivery Center, is located immediately north of Building 3-818 and northeast of Building 3-801. The building was constructed in the location of former Building 3-810 (Hart Crowser 1990b).

Tables 4-21 and 4-22 summarize soil and groundwater data for analytes detected in the Building 3-800 area investigations described below that exceed MTCA cleanup levels and/or soil-to-sediment or groundwater-to-sediment screening levels. The assessment location is shown in Figure 4-32. Results for all detected chemicals are presented in Appendix E.

##### UST Removal and Site Assessment (1989)

In September 1989, prior to construction of Building 3-800, a 2,000-gallon heating oil UST was removed from the construction area. A 300-gallon UST was discovered next to the 2,000-gallon UST and removed (Figure 4-32). The larger UST appeared rusted and pitted; the small UST was rusted and crushed. Diesel-range hydrocarbon concentrations in soil exceeded MTCA cleanup levels, which led to additional environmental investigations of the building site.

The investigations included excavation of 46 test pits (TP-1 through TP-40, 810N, 810E, 810S, and 810W) and five monitoring wells (MW-1 through MW-5). TPH was detected above the MTCA Method A cleanup level in soil samples from eight test pits located in the southwestern portion of the proposed building and adjacent to the former UST (Hart Crowser 1989 and 1990a). Low concentrations of VOCs were present in groundwater samples collected from the five groundwater monitoring wells. TPH was not reported in the groundwater samples (Hart Crowser 1990a).

##### Remedial Excavation (1989)

From September to December 1989, remedial excavations were performed to remove diesel-contaminated soil (Figure 4-32). Approximately 1,980 cubic yards of soil containing TPH above MTCA Method A cleanup levels were excavated from the construction site in four events: 1,280 cubic yards from the "tank excavation," 300 cubic yards from the "boring B-5 area," 120 cubic yards from the high pressure steam line (this excavation connected the tank excavation and boring B-5 area excavations), and 400 cubic yards from the "sewer line" (see below). Verification samples collected from the excavations indicated that all soil containing TPH above MTCA Method A cleanup levels were removed (Hart Crowser 1990b). Boring B-5 was originally installed by GeoEngineers in late 1987 or early 1988; a copy of GeoEngineers' report

documenting the investigation was not available for review (GeoEngineers, February 22, 1988, as cited in Hart Crowser 1989).

While excavating the boring B-5 area, an abandoned sewer line was encountered. Approximately 1 gallon of free product was present in soil adjacent to the former sewer line. The former sewer line was connected to an active sewer line north of the Building 3-800 construction site and ran northwest to southeast across the construction site. Approximately 200 feet of the abandoned sewer line was removed from the site. The removed portion of the sewer line extended from the active sewer line to the southeast corner of planned footprint for Building 3-800. The sewer line was plugged at the southeast corner of the building. (Hart Crowser 1990b).

During construction of the building, approximately 900 cubic yards of diesel-contaminated soil was removed from the construction area and bioremediated near the Building 3-380 construction site (Hart Crowser 1990e). The remediation activity is discussed in Section 4.3.2.4.

#### Septic Tank Removal and Environmental Assessment (1990)

In February 1990, Boeing notified Ecology that they had discovered an underground concrete structure during construction of Building 3-800 (Boeing 1990a). Boeing records indicated that this structure was a septic tank, which was removed from service sometime in 1955. Sludge and water inside the structure were found to contain low-levels of metals, VOCs and SVOCs. The concrete tank, approximately 12 feet long by 8 feet wide by 6 feet deep, located approximately 160 feet northeast of the proposed Building 3-800 location, was removed in early 1990. Soil excavated around the tank contained cis-1,2-DCE, PCE, and TCE. Contaminated soil was removed from the area. A sample from the bottom of the tank excavation contained PCE at a concentration above the MTCA Method A cleanup level (Hart Crowser 1991). Further excavation was not conducted due to concerns of undermining and possibly damaging adjacent structures (SEACOR 1992f).

Six borings (B-1 through B-6), four shallow wells (MW-1 through MW-3, and MW-6) (11.5 to 13 feet bgs), and five deep groundwater monitoring wells (MW-2A through MW-6A) (29 to 35 feet bgs) were installed and sampled. Results indicated low levels of VOCs in soil. In groundwater, 1,2-DCE, chloroform, vinyl chloride, TCE, and/or PCE were present above MTCA Method A groundwater cleanup levels in three wells. Water level data indicated that groundwater was moving toward the west at a gradient of 0.001 to 0.002 feet per foot. Little or no vertical gradient was observed (Hart Crowser 1991).

#### Additional Site Assessment (1992)

In 1992, a site assessment investigation was performed at the location of the former concrete septic tank, adjacent to Building 3-800, to further assess the presence of VOCs, SVOCs, and metals in this area. The investigation area was relatively flat, with a slight slope to the south toward several storm drains that lie adjacent to Building 3-800. The area is paved with asphalt. Five 15-foot deep wells, MW101A through MW105A, and three 40-foot deep wells, MW101B through MW103B were installed. Wells MW-1, MW-2, MW-2A, MW-3, MW-3A, and MW-5A were abandoned and wells MW-4A, MW-6, and MW-6A were repaired and renamed MW107B, MW106A, and MW106B, respectively, as part of the investigation (SEACOR 1992f).

Soil sampling results indicated that VOCs, SVOCs, and most metals were either not detected or were detected at concentrations below MTCA cleanup levels. Beryllium was detected at 0.23 mg/kg, above the MTCA Method B cleanup level. VOCs were detected in all soil borings, although the most frequent detections (carbon disulfide, cis-1,2-DCE, chloroform, vinyl chloride, 2-butanone, TCE, and toluene) were associated with two soil borings (MW-103B and MW-104A) located northwest of the former concrete underground tank. SVOC detections (benzoic acid, diethyl phthalate, fluoranthene, pyrene, benzo(a)anthracene, BEHP, chrysene) were limited to two soil borings (MW-101B and MW-103B), located north and west of the former concrete underground tank (SEACOR 1992f).

In groundwater, vinyl chloride, TCE, PCE, cis-1,2-DCE, BEHP, arsenic, chromium, lead, and beryllium exceeded their respective MTCA cleanup levels. Impacted wells are located hydraulically lateral to or downgradient from the former underground concrete tank (SEACOR 1992f). Most VOC detections were associated with shallow groundwater wells, although vinyl chloride was detected above MTCA Method A cleanup levels in both shallow and deep wells. Those VOCs with densities greater than water (i.e., TCE, PCE) do not appear to have migrated to deeper water bearing zones at these locations (SEACOR 1992f). Detected SVOCs (acenaphthene, fluoranthene, benzo(a)anthracene) were generally below MTCA cleanup levels, except for BEHP, which was detected at 18 µg/L in a single sample (Well MW-102B). Metals were detected in both shallow and deep wells at concentrations exceeding MTCA Method A or B cleanup levels.

None of the samples were analyzed for PCBs.

Independent Soil Remedial Action

An independent soil remedial action was conducted for an underground storage tank at this location in 1993. A report was submitted to Ecology on May 10, 1993 (Boeing 1998c); however, this report was not found in the files. Apparently, this report indicated that remedial actions were complete. Buildings now occupy this location.

Groundwater Monitoring Well Installation and Repair

In January 1994, well repair, abandonment, and re-installation activities were performed due to damage the wells suffered during a utility installation. Wells MW103A through MW105A were abandoned and replaced with wells RMW103A through RMW105A. VOCs and metals were present in soil samples at concentrations below MTCA Method A cleanup levels. The well casing of wells MW101A, MW-101B, and MW103B were repaired and the utility conduit was re-routed (SEACOR 1994i).

Summary of Chemicals in Soil and Groundwater at Building 3-800 Area

Summary of Chemicals in Soil and Groundwater Above MTCA and/or Screening Levels			
Chemical Class	Chemical	Soil	GW
Metals	Arsenic	◆	◆
	Chromium	◆	◆■
	Copper	■	■

Summary of Chemicals in Soil and Groundwater Above MTCA and/or Screening Levels			
Chemical Class	Chemical	Soil	GW
	Lead		◆■
	Mercury	■	◆■
	Silver		■
	Zinc	■	■
PAHs	Benzo(a)pyrene	◆■	
	cPAHs, total	◆	◆
Other SVOCs	BEHP		◆■
	Phenol		■
Petroleum Hydrocarbons	TPH	◆	
VOCs	1,2-DCE		◆
	Bromodichloro-methane		◆
	cis-1,2-DCE		◆
	Dibromochloro-methane		◆
	Methylene Chloride		◆
	PCE	◆	◆
	TCE	◆	◆
	Vinyl Chloride		◆

- ◆ Exceeds MTCA Soil or Groundwater Cleanup Level
- Exceeds draft Soil-to-Sediment or Groundwater-to-Sediment screening level (SAIC 2006)

#### 4.3.2.9 Flight Test Engineering Lab, Building 3-801 (1991–1992)

The site is approximately 100 feet by 200 feet in size, and is located immediately west of the Flight Test and Delivery Center (Building 3-800). A satellite dish and electrical substation lie within and immediately adjacent to the northwest corner of the proposed building pad. The site slopes slightly toward the east toward several storm drains that lie between Building 3-800 and Building 3-801. A storm drain line is located within the site, and a UST is located just off the northwest corner immediately east of the substation. The tank presumably contained fuel for a generator that supplied auxiliary power for the substation (SEACOR 1991a).

Tables 4-23 and 4-24 summarize soil and groundwater data for analytes detected in the Building 3-801 area investigations described below that exceed MTCA cleanup levels and/or soil-to-sediment or groundwater-to-sediment screening levels. Results for all detected chemicals are presented in Appendix E.

##### Pre-Construction Site Assessment (1991)

A pre-construction environmental investigation was conducted at the location of proposed Building 3-801 (Flight Test Engineering Laboratory) (SEACOR 1991a) in 1991.

During the investigation, 21 soil borings (SB-1 through SB-21) were drilled and four monitoring wells (MW-1 through MW-4) were installed (SEACOR 1991a). The boring locations are shown

in Figure 4-33; however, due to the poor quality of the reproduced figure supplied to SAIC the boring identification numbers could not be determined. Groundwater was encountered between 7 and 8 feet bgs. Twenty-four soil samples and five groundwater samples were collected and analyzed for TPH; a subset of samples was analyzed for VOCs, and/or priority pollutant metals. Elevated concentrations of metals were observed: arsenic and cadmium exceeded current MTCA Method A cleanup levels. Petroleum hydrocarbons were detected in soil borings at concentrations up to 17,000 mg/kg. Low levels of TCE (to 0.4 mg/kg), PCE, and xylenes were detected in one boring. In addition, MW-4 contained arsenic above the MTCA Method A groundwater cleanup level of 5 µg/L.

King County requested that the source of arsenic in groundwater be investigated, and that MW-3 be sampled for priority pollutant metals, and indicated that remediation of TPH contamination would be required (King County 1991a).

#### *Supplemental Site Assessment (1991)*

In September 1991, a supplemental pre-construction environmental investigation of the proposed Building 3-801 site was conducted. The purpose of the investigation was to assess the potential presence of priority pollutant metals in groundwater from Well MW-3 and to verify the previously detected concentrations of priority pollutant metals in Well MW-4 (SEACOR 1991b). Analytical results of groundwater samples indicated the presence of antimony (21 µg/L) and arsenic (6.4 µg/L) in MW-3 above MTCA groundwater cleanup levels; antimony (57 µg/L), arsenic (6.5 µg/L), chromium (92 µg/L), and lead (8.1 µg/L) were detected in MW-4 at concentrations above MTCA groundwater cleanup levels (SEACOR 1991b).

In addition, four soil borings, SB-1A through SB-4A, were drilled and sampled radially from well MW-4. Samples collected from a depth of 3 and 8 feet in each boring indicated the presence of arsenic in all four borings at concentrations ranging from 0.94 to 7.5 mg/kg. The report indicates that these concentrations are below MTCA Method A cleanup levels.<sup>7</sup> The study concludes that soil in the vicinity of MW-4 is unlikely to be the source of arsenic in groundwater at this location (SEACOR 1991b). A potential source of arsenic could not be identified.

A subsequent letter from King County to Boeing indicated that the supplemental pre-construction environmental investigation report did not fully respond to their earlier letter (King County 1991b).

#### *Independent Soil Remedial Action (1992)*

During March 1992, Boeing conducted an independent soil remedial action at the proposed Building 3-801 location (SEACOR 1992e). Petroleum-impacted soil was removed within and near the southeast portion of the proposed building location; additional excavation for a utility trench was performed in May 1992 at the northern end of the building footprint. Fifty-three excavation soil samples were collected in areas where potentially impacted soil was observed, and at select locations to confirm that potentially impacted soil was not present or had been

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<sup>7</sup> Detected arsenic concentrations exceed the MTCA Method B cleanup level, but may be within the range of background levels in the Puget Sound region.

removed (Figure 4-33). In addition, 16 stockpile soil samples, one test pit soil sample, and five excavation water samples were collected. All samples were analyzed for TPH only. Petroleum-impacted soils remain at along a portion of the eastern perimeter of the excavation at depths between 5 ½ feet and 8 feet bgs (SEACOR 1992e). These soils were not excavated due to the potential for compromising the integrity of existing structures. No samples were analyzed for PCBs.

Wells MW-2 and MW-4A were abandoned in March 1993 to avoid potential damage to the wells from ongoing construction activities (SEACOR 1993g).

Summary of Chemicals in Soil and Groundwater at Building 3-801 Area

Summary of Chemicals in Soil and Groundwater Above MTCA and/or Screening Levels			
Chemical Class	Chemical	Soil	GW
Metals	Antimony		◆
	Arsenic	◆	◆
	Cadmium	◆	
	Chromium		◆
Petroleum Hydrocarbons	TPH-diesel		◆
	TPH	◆	
VOCs	TCE	◆	

◆ Exceeds MTCA Soil or Groundwater Cleanup Level  
 ■ Exceeds draft Soil-to-Sediment or Groundwater-to-Sediment screening level (SAIC 2006)

**4.3.2.10 Main Fuel Farm (1986, 1991–1994)**

The Main Fuel Farm is located in the central portion of NBF adjacent to and south of Building 3-818. The Main Fuel Farm site includes Building 3-822, two 30,000-gallon ASTs near the northwest site boundary, a concrete oil/water separator and a 6,000-gallon AST near the northeast site boundary, and a fuel island near the western portion of the site (SEACOR 1992c). The eastern margin of the fuel farm is bounded by a 20-foot high concrete blast wall (SEACOR 1994d).

Three USTs (UBF-1, UBF-2, and UBF-3) were formerly located at the Main Fuel Farm; these were 40,000-gallon steel tanks used for kerosene storage (Landau 1986d).

Tables 4-25 and 4-26 summarize soil and groundwater data for analytes detected in the Building Main Fuel Farm area investigations described below that exceed MTCA cleanup levels and/or soil-to-sediment or groundwater-to-sediment screening levels. Results for all detected chemicals are presented in Appendix E.

Groundwater Monitoring Well Installation (1986)

Eight monitoring wells, MF-12 through MF-19, were installed around the UST pad (which included UBF-1, UBF-2, and UBF-3) in 1986 in order to evaluate the extent of petroleum hydrocarbon contamination in soil and groundwater at the site (Figure 4-34). The wells were installed at depths between 19 and 29 feet bgs. Hydrocarbon odors were reported in all eight soil

borings during drilling. Twelve soil samples were collected for laboratory analysis for petroleum hydrocarbons. Kerosene was present at concentrations exceeding the MTCA Method A cleanup levels in wells MF-13 and MF-19. In groundwater TPH and kerosene concentrations exceeded MTCA Method A cleanup levels in wells MF-12 and MF-14, TPH and kerosene were also detected in wells MF-13, MF-18, and MF-19. Benzene was present in well MF-12 at a concentration below the MTCA Method A cleanup level (Landau 1986d).

#### *UST Environmental Assessment (1991)*

In December 1991, the three USTs (UBF-1, UBF-2, and UBF-3) failed a leak test. According to the ERT System report, product was seeping out of the concrete (Ecology 1991b). Also in December, SEACOR (1992g) collected a NAPL sample from each of the existing monitoring wells that contained measurable NAPL (MF-13 and MF-14), collected a NAPL sample from an onsite temporary holding tank used to contain fluid removed from a trench located immediately adjacent to the northeast corner of the Main Fuel Farm, and collected a groundwater sample from each monitoring well that did not contain measurable NAPL (MF-12 and MF-15 through MF-19) (Figure 4-34). The NAPL samples collected from MF-13, MF-14, and the holding tank were similar in composition. BTEX compounds were detected in the holding tank and MF-14. They were not detected in MF-13; however, this sample reported highly elevated detection limits. Approximately 4 gallons of NAPL were bailed from each well; NAPL thickness was reduced from 3.18 feet and 2.44 feet in MF-13 and MF-14, respectively, to an unbroken sheen (approximately 0.05 inch) (SEACOR 1992g). BTEX compounds were not detected in the groundwater samples; however, TPH was detected above the MTCA Cleanup Level in MF-12 (1,200 mg/L) and MF-18 (49,000 mg/L).

#### *Main Fuel Farm Site Assessment (1992)*

Nine 15-foot soil borings were drilled and monitoring wells (MW-20 through MW-28) were installed in March 1992 (Figure 4-35). Thirty-five soil samples from the nine soil borings and 15 groundwater samples from existing and newly installed wells were collected and analyzed for TPH and BTEX (SEACOR 1992c). Depth to groundwater ranged from 6.95 to 8.74 feet. Dissolved hydrocarbons were detected in groundwater at concentrations to 58,000 µg/L TPH and 20 µg/L benzene. Concentrations exceeded MTCA Method A cleanup levels in wells MF-12, MF-18, MF-19, MW-20, and MW-28, located immediately north of the jet fuel USTs. Floating NAPL was found in two wells (MF-13 and MF-14) located south and east of the jet fuel USTs. In soil, TPH was detected in five of the soil borings; one sample (MW-20, 430 mg/kg at 8.5 feet bgs) exceeded the MTCA Method A cleanup level for TPH (SEACOR 1992c). BTEX was not detected in the soil samples. None of the samples were analyzed for PCBs.

#### *Light Non-Aqueous Phase Liquid Removal (1992)*

Quarterly groundwater monitoring data during 1992 indicated the presence of light non-aqueous phase liquid (LNAPL) in three wells: MF-13, MF-14, and MW-20. These wells were located south of the oil/water separator and east of the USTs. Between July 21, 1992, and October 5, 1992, an LNAPL extraction system was installed and operated by Boeing (SEACOR 1994d). During this time, approximately 450 gallons of LNAPL were recovered. Recovered groundwater



was treated by granular activated carbon (GAC) and discharged to the sanitary sewer under Metro Discharge Authorization No. 362 (SEACOR 1992d).

UST Removal Activities (1992)

Wells MF-12 through MF-17, MW-19, MW-20, and MW-22 were decommissioned in November 1992 prior to UST removal activities (SEACOR 1993f).

In December 1992, UBF-1, UBF-2, and UBF-3 were decommissioned by excavation and removal. LNAPL was observed overlying the groundwater during the decommissioning activities; which limited the extent of the excavation (SEACOR 1993f). Soil samples analyzed during soil boring and well installation activities and UST decommissioning indicated that TPH as diesel above MTCA Method A cleanup levels were present at locations southwest of the oil/water separator, and along the northeastern side of the UST excavation, adjacent to the former location of tank UBF-1 (SEACOR 1993f).

Site Assessment and Independent Soil Cleanup Action (1994)

In June 1994, the concrete oil/water separator, located in the northeast portion of the investigation area, was removed as part of a subsurface site assessment and independent soil cleanup action conducted by Boeing (Figure 4-35) (SEACOR 1994d). Due to structural concerns associated with the blast wall, the east wall of the oil/water separator was left in place. An estimated 3,500 cubic yards of soil were removed from the area south and west of the oil/water separator; an additional 200 yards of soil were removed from the area north of the oil/water separator, which formerly contained an LNAPL recovery trench (which was operated in July and October 1992). The average depth of the excavation was 9.5 feet.

Thirty-four confirmation soil samples were collected from the excavation sidewalls, as well as 19 stockpile characterization samples, including concrete and soil stockpile samples (Figure 4-35). Samples were analyzed for gasoline- and diesel-range hydrocarbons, and TRPH, and some samples were also analyzed for BTEX, PCBs, SVOCs, and TCLP metals.

Results indicated that residual petroleum-hydrocarbon impacted soil is present at limited areas in shallow soil (less than 5.5 feet bgs) on the east side of the excavation, beneath the blast wall (SEACOR 1994d). In addition, residual impacted soils may remain beyond the lateral extent of the excavation in deeper soil (greater than 5.5 feet bgs) on the north, south, and east sidewalls. Impacted areas were generally within 1 foot above the observed depth to groundwater (i.e., within the capillary fringe). In addition to TPH, a variety of organics were detected. In the excavation soil samples, low levels of VOCs were detected. PAHs were detected in all five samples for which SVOCs were analyzed. Two samples (WW-19 and SW-21), located near the former UST area, contained PAHs: chrysene (0.28 and 7.3 mg/kg), benzo(b)fluoranthene (0.20 and 6.0 mg/kg), benzo(k)fluoranthene (0.26 and 2.8 mg/kg), and benzo(a)pyrene (0.19 and 4.3 mg/kg) (SEACOR 1994d). Total cPAHs in both samples exceeded MTCA cleanup levels. PCBs were analyzed in five samples; Aroclors 1016/1242, 1248, and 1254 were reported in sample SW-21 at 0.15 to 0.31 mg/kg. A “Y” data qualifier (raised detection limit due to interference) was applied to these results; while the text of the site assessment report identifies these as detections, they should have been identified as non-detects (SEACOR 1994d). No other PCB detections were reported in the confirmation samples.

A wide variety of volatile and semivolatile organics were detected in the stockpile samples, including BTEX, PAHs, and phthalates.

Groundwater Monitoring Well Installation (1994)

Five additional groundwater monitoring wells, MW-29 through MW-33, were installed at the Main Fuel Farm in November 1994. One soil sample was analyzed for TPH. TPH was not detected in the sample. Sheen was observed on the groundwater extracted from wells MW-31 and MW-32 during well development. Groundwater samples were not collected from the newly installed wells (SECOR 1995a).

Groundwater Monitoring (1994 to Present)

Groundwater monitoring has been conducted in a biannual basis since 1994 and is currently ongoing. The last monitoring event was performed in August 2008. Concentrations of benzene, diesel-range hydrocarbons, and Jet Fuel A were detected in groundwater above MTCA cleanup levels.

Summary of Chemicals in Soil and Groundwater at Main Fuel Farm

Summary of Chemicals in Soil and Groundwater Above MTCA and/or Screening Levels			
Chemical Class	Chemical	Soil	GW
PAHs	2-Methylnaphthalene	■	
	Acenaphthene	■	
	Benzo(a)anthracene	■	
	Benzo(a)pyrene	◆	
	Fluorene	■	
	Naphthalene	◆■	
	Phenanthrene	■	
	cPAHs, total	◆	
Petroleum Hydrocarbons	TPH-diesel	◆	◆
	TPH-gasoline	◆	
	Jet Fuel	◆	◆
	Kerosene		◆
	TPH	◆	◆
VOCs	Benzene		◆
	Methylene Chloride	◆	

- ◆ Exceeds MTCA Soil or Groundwater Cleanup Level
- Exceeds draft Soil-to-Sediment or Groundwater-to-Sediment screening level (SAIC 2006)

**4.3.2.11 Building 3-818 (1993)**

In February 1993, two 15-foot deep monitoring wells, NBF-3-818-MW1 and NBF-3-818-MW2 were installed east of Building 3-818 to evaluate soil and groundwater conditions prior to the installation of an oil/water separator (Figure 4-36). Four soil and two groundwater samples were analyzed for TPH and BTEX. No analytes were detected in the samples (SEACOR 1993c).

Wells MW-21, MW-25, NBF-3-818-MW1 and NBF-3-818-MW2 were abandoned in October 1993 (SEACOR 1993h).

### 4.3.2.12 Concourse B

Table 4-27 summarizes groundwater data for analytes detected in the Concourse B area investigations described below that exceed MTCA cleanup levels and/or groundwater-to-sediment screening levels. Results for all detected chemicals are presented in Appendix E.

#### Well Installation (1993)

One groundwater monitoring well, NBF-OWS-B11-MW1, was installed between Concourse B11 and a proposed oil/waster separator location in April 1993 (Figure 4-25). The well was sampled following development. Boeing indicated that turbidity in the sample was high. In May the well was redeveloped; however, turbidity could not be reduced to an acceptable level (SEACOR 1993d). The well was abandoned in October 1993 (SEACOR 1993h).

#### Concourse B Oil/Water Separator Preconstruction Assessment (1996)

During facility upgrade activities, Boeing planned to install two oil/water separators on Concourse B. Two soil borings, B4 and B8, were advanced in the proposed oil/water separator locations (Figure 4-25). Soil and groundwater samples were collected from both borings. TPH was present in both borings at concentrations below the MTCA Method A cleanup level. BTEX, SVOCs, and PCBs were not reported in the soil borings. TCE, PCE, phthalates, and metals were present in the groundwater samples (SECOR 1996d).

#### Summary of Chemicals in Soil and Groundwater at Concourse B

Summary of Chemicals in Soil and Groundwater Above MTCA and/or Screening Levels			
Chemical Class	Chemical	Soil	GW
Metals	Arsenic		◆
	Cadmium		◆■
	Chromium		◆■
	Copper		◆■
	Lead		◆■
	Manganese		◆
	Mercury		◆■
	Selenium		◆
	Vanadium		◆
	Zinc		◆■
Phthalates	BEHP		■
Petroleum Hydrocarbons	TPH		◆
VOCs	PCE		◆
	TCE		◆

- ◆ Exceeds MTCA Soil or Groundwater Cleanup Level
- Exceeds draft Soil-to-Sediment or Groundwater-to-Sediment screening level (SAIC 2006)

#### 4.3.2.13 Concourse C Flight Line Utility Corridor (1990–1992)

The Flight Line Utility Corridor near Concourse C was approximately 10 feet wide and contained a variety of subsurface utilities including a fire main, water line, foam water line, foam line, air line, refuel/defuel lines, and a 30-inch storm drain line (SEACOR 1992b). Two power stations, a water vault, and an air/water vault are also located along the corridor. The Main Fuel Farm is located to the west of the Utility Corridor.

Table 4-28 summarizes soil data for analytes detected in the Building Concourse C area investigations described below that exceed MTCA cleanup levels and/or soil-to-sediment screening levels. Results for all detected chemicals are presented in Appendix E.

##### Utilidor Pre-Construction Site Assessment (1990)

Prior to the construction of the utilidor, eight geotechnical soil borings were advanced. Diesel-range hydrocarbons were present in boring B-1, which was located near the Main Fuel Farm. Groundwater was encountered between 7 and 8 feet bgs during drilling (Dames & Moore 1990).

##### Phase I Soil Assessment (1991)

A Phase I soil assessment investigation was conducted at this location in 1991 (Figure 4-37). Eight soil borings, B-1 through B-8 were drilled to a depth of approximately 8.5 feet; 31 samples were collected from these borings and analyzed for diesel-range hydrocarbons and VOCs (SEACOR 1991c). In addition, 21 hand auger borings (HA-1 through HA-21) were completed and 31 samples were collected and analyzed for diesel-range hydrocarbons. In addition, one sample of stockpiled soil generated during the removal of the concrete apron at Concourse C was analyzed for diesel-range hydrocarbons, VOCs, and PCBs.

Diesel-range hydrocarbons, methylene chloride, acetone, total xylenes, benzene, toluene, ethylbenzene, 2-butanone, and 1,1,1-TCA were detected in borehole samples (SEACOR 1992b). Diesel-range hydrocarbons were detected at 15 to 2,500 mg/kg; diesel-range hydrocarbons in boring B-2 exceeded the MTCA Method A cleanup level of 2,000 mg/kg. Methylene chloride exceeded the MTCA Method A cleanup level in borings B-1 and B-2. The other compounds were present at concentrations below the Method A cleanup level. The hand auger borings indicated the presence of diesel-range hydrocarbons above Method A cleanup levels in four borings, at concentrations ranging from 220 to 4,400 mg/kg. In the stockpile soil sample, diesel-range hydrocarbons were detected at 1,600 mg/kg and acetone was detected at 1.2 mg/kg. No PCBs were detected at a detection limit of 0.10 mg/kg (SEACOR 1992b).

##### Remedial Excavation (1991-1992)

Based on results of the Phase I investigation and field observations in conjunction with the removal of existing subsurface utilities and installation of a utilidor, impacted soil was excavated along the Concourse C Flight Line during November 1991 through January 1992 (Boeing 1991a, SEACOR 1992b). The excavation area covered approximately 330 linear feet immediately west of airplane positions C3 and C4 at Concourse C, and followed the course of the existing subsurface utilities. Installation of the utilidor required an area of about 15 feet wide by 10 feet deep along the 330 linear foot area. Over-excavation was conducted in areas where impacted soil

was anticipated based on the Phase I sampling results and where field evidence of petroleum-affected soil was observed. A total of 18 confirmation samples were collected and analyzed for diesel-range hydrocarbons; one sample was also analyzed for BTEX (not detected). Diesel-range hydrocarbons was present in 6 of the 18 confirmation samples, at concentrations below the MTCA Method A soil cleanup level (SEACOR 1992b).

However, hydrocarbon-like odors and elevated PID readings were observed in the northeast corner of the excavation area and may represent residual hydrocarbon-impacted soil. In addition, diesel-range hydrocarbons at 220 mg/kg was observed in hand auger boring HA-13 (at a depth of 3 feet bgs), a location that was not included in the utilidor excavation. The Independent Cleanup Action Report concludes that due to the lateral distance between HA-13 and the utilidor excavation, it is unlikely that the detected TPH in this boring is related to hydrocarbons observed within the excavation area, and may represent a localized occurrence of low levels of TPH (SEACOR 1992b).

Boeing subsequently filed a notice to close the USTs adjacent to this area (Boeing 1992g).

Summary of Chemicals in Soil and Groundwater at Concourse C

Summary of Chemicals in Soil and Groundwater Above MTCA and/or Screening Levels			
Chemical Class	Chemical	Soil	GW
Petroleum Hydrocarbons	TPH-diesel	◆	
VOCs	Benzene	◆	
	Methylene Chloride	◆	

- ◆ Exceeds MTCA Soil or Groundwater Cleanup Level
- Exceeds draft Soil-to-Sediment or Groundwater-to-Sediment screening level (SAIC 2006)

Note: Orange shading indicates that the chemical was detected in soil; however, the soil containing these chemicals was removed from the site through remedial excavation.

**4.3.3 Southern Portion of North Boeing Field**

The southern portion of NBF includes the area between the southern boundary of the Main Fuel Farm and Building 3-840 (Figure 4-38). Investigations that have been conducted in the Southern Area are shown in Figure 4-38; sampling locations for specific source areas are shown in figures 4-39 and 4-40. Tables 4-29 through 4-30 list soil and groundwater sampling results for chemicals with detected concentrations above regulatory or screening levels. Tables that list sampling results for all detected chemicals in soil and groundwater at each potential source area are provided in Appendix F.

**4.3.3.1 UST Removal (1989)**

Boeing removed UST UBF-61, a 3,000-gallon gasoline UST in October 1989 (Figure 4-39). Concentrations of BTEX below MTCA cleanup levels were present in the sidewall and bottom samples collected from the UST excavation (Hart Crowser 1990c). The former UST was located on the western side of Building 3-470.

#### **4.3.3.2 Former Building 3-830/3-831/3-832 (1987, 1989, 1990, 1997)**

Former Buildings 3-830, 3-831, and 3-832 were located on approximately 1.6 acres immediately east of East Marginal Way S, west of Concourse B and south of Concourse C (Figure 4-39). The LDW is approximately 600 feet to the west. The buildings were used to support avionics development and facility maintenance shops. A power substation was located near the northwest side of Building 3-830 (Weston 1997).

A groundwater monitoring well was installed near the southeast corner of Building 3-830; the date of well installation is not known. Two groundwater monitoring wells, HC-MW1-830NE and HC-MW2-830NE, were installed north of Building 3-830; the date of well installation is unknown (Weston 1997). Current site plans for North Boeing Field do not show these three groundwater monitoring wells and it is assumed the wells have been abandoned.

Tables 4-29 and 4-30 summarize soil and groundwater data for analytes detected in the former Building 3-830 / 3-831 / 3-832 area investigations described below that exceed MTCA cleanup levels and/or soil-to-sediment or groundwater-to-sediment screening levels. Results for all detected chemicals are presented in Appendix F.

##### UST Removal (1987)

Two USTs were removed in May 1987, a 2,000-gallon UST (UBF-24) used to store PS-200 oil and a 300-gallon UST (UBF-42) used to store heating oil. Diesel-range hydrocarbons were present in soil above MTCA Method A cleanup levels (Weston 1997). In September 1989, Boeing replaced UBF-40, a 110-gallon gasoline UST. Low concentrations of BTEX were detected in soil in the UST excavation (Hart Crowser 1990c).

##### UST Abandonment (1990)

UBF-60 was formerly located east of Building 3-830 and south of Concourse C (Figure 4-39). The 5,000-gallon UST was used to store wash water from equipment cleaning. In January 1990, the UST was abandoned-in-place by filling the tank with approximately 30 cubic yards of cement (Hart Crowser 1990d).

Three groundwater monitoring wells, MW-1 through MW-3, and two soil borings, B-1 and B-2, were installed around the former UST (Figure 4-39). Five soil samples were analyzed for VOCs, two soil samples were analyzed for TPH and metals. Low concentrations of acetone, toluene, and MEK were present in the soil. Metals were below MTCA Method A cleanup levels and/or the TCLP limit. Groundwater samples were collected from the wells in November 1989 and analyzed for VOCs. Cis-1,2-DCE, benzene, toluene, and xylenes were detected at concentrations below MTCA Method A cleanup levels. Low concentrations of acetone and chloroform were also detected (Hart Crowser 1990d).

##### Pre-Demolition Site Assessment (1997)

Prior to demolishing the buildings, an environmental investigation was performed. Three borings, SB-83001 through SB-83003, were advanced around the former UBF-24/UBF-42 UST pit (Figure 4-39). Six soil samples were analyzed for TPH. TPH was reported in four samples at

concentrations ranging from 13 to 23 mg/kg. Three borings, SB8308 through SB83010, were advanced around the UBF-60 UST area. Six soil samples were analyzed for VOCs and TPH. Low concentrations of VOCs and TPH were present in the soil. Two hand auger borings, SB83004 and SB83005, were advanced near the former power substation. Four soil samples were analyzed for PCBs. PCBs were reported in two soil samples at concentrations of 0.065 mg/kg (Aroclor 1254) and 0.1 mg/kg (Aroclor 1260) (Weston 1997).

Summary of Chemicals in Soil and Groundwater at Former Buildings 3-830, 3-831, and 3-832

Summary of Chemicals in Soil and Groundwater Above MTCA and/or Screening Levels			
Chemical Class	Chemical	Soil	GW
Metals	Arsenic	◆	
	Mercury	■	
VOCs	Benzene		◆
	Methylene Chloride	◆	

- ◆ Exceeds MTCA Soil or Groundwater Cleanup Level
- Exceeds draft Soil-to-Sediment or Groundwater-to-Sediment screening level (SAIC 2006)

**4.3.3.3 Tent Hangar Construction (2008)**

Boeing requested a building permit to construct two aircraft fabric hangar buildings (approximately 24,842 sq ft total) near stalls C-11 and C-12, and the relocation of a modular office building (Figure 4-40). The new hangars will be used for customer inspection of fueled aircraft prior to delivery. Construction activities included fire flow water main improvements, removal of old foundations, and excavation for new building foundations, utility trenching, and installation of an industrial wastewater system. King County issued a Mitigated Determination of Non-Significance (MDNS) for the project in July 2008 (Perlman 2008). The project area is in close proximity to an area of KCIA known as the Boeing EMF/EMF Plume (Perlman 2008). The MDNS required the testing and reporting of detectable VOCs in areas of ground disturbance for the proposed new hangars, as well as testing, reporting and remediation of contaminated soils within the project area, if any.

Boeing began construction of the fabric tent hangars in late 2008. Calibre’s work plan indicates that excavated soil was to be field screened for potential contamination (Calibre 2008). Excavations were performed to prepare the area for the tent hangar foundations and new utility lines. Approximately 25 soil stockpiles were generated during the excavation activities. Soil samples were collected from the stockpiles for waste characterization purposes. As of December 8, 2008, all soil excavated and stockpiled during this construction has met applicable MTCA standards and was cleared for reuse (Bach 2008b, 2008c).

**4.4 Environmental Investigations and Cleanups: Storm Drain System**

Extensive sampling of solids from storm drain structures including catch basins, manhole access locations, and oil/water separators throughout the Boeing-leased property has been conducted between 1984 and the present. A chronology of sampling and cleanup activities between 1984 and 2006 is provided below. Information listed below is as presented in the source documents; a

comprehensive analysis of storm drain sampling data is beyond the scope of this document. Further evaluation of storm drain system data will be performed in conjunction with site characterization activities during the NBF-GTSP RI. Storm drain system sampling locations are shown in Figures 4-41a through 4-41d.

Year	Activity
August 1984	A map showing samples collected at NBF in August 1984 provided results of sampling for PCBs along the NBF storm drain line that parallels the fence line between the Boeing-leased property and the GTSP. Six samples were collected; all but one contained total PCBs in the range of 360 to 600 mg/kg (Boeing 1984a). Detected PCBs were primarily Aroclors 1242 and 1254 (Boeing 1984b). Boeing proposed to clean the PCB-contaminated storm drain, which is tributary to the GTSP Flume. Boeing was granted permission to discharge pre-treatment cleanup water to the sanitary sewer.
November 1985	SCL notified Boeing that they had completed the cleanup of the GTSP site, flume, and portion of the Boeing stormwater system contaminated with PCBs.
August-October 1985	On August 9, 1985, FAMCO Transport employees were observed dumping 55-gallon drums of oily material through a Boeing property fence and into a storm drain on Boeing property (west side of GTSP). Subsequent testing of the drain system by FAMCO's contractor reportedly indicated the presence of PCBs, heavily enveloped in solvent, in manhole SD-A18-MH (Boeing 1986b). An investigation to identify the source of PCBs was subsequently conducted by Boeing. On October 4, 1985, sediments from manholes SD-A18-MH, SD-A2-MH (downstream of SD-A18-MH), and the storm drain near FAMCO (between SD-A26-MH and SD-A20-MH) were analyzed. SD-A18-MH is located on the eastern edge of the GTSP Flume near Building 3-323. PCBs were not detected in the storm drain near FAMCO, but were found at concentrations of 905 and 18.8 mg/kg in SD-A18-MH and SD-A2-MH, respectively (Boeing 1986b).
1985	Further sampling was conducted upstream from Boeing-leased property (on Air National Guard and King County property) to determine whether PCBs were migrating from another source. Low concentrations of PCBs (0.03 to 0.07 mg/kg) were detected. In addition, acetone, toluene, and xylenes were detected in the Air National Guard site sample at concentrations of 0.16 mg/kg, 0.11 mg/kg, and 0.049 mg/kg, respectively (Boeing 1986b).
1985	Further sampling to identify the source of the PCBs was subsequently conducted. An upstream manhole sediment sample contained 0.86 mg/kg PCBs. Manhole SD-A18-MH (located closest to FAMCO) contained 99 mg/kg PCBs, while the downstream sample from manhole SD-A2-MH contained 160 mg/kg PCBs (Boeing 1986b). PCBs were mainly Aroclor 1254. From these results, Boeing concluded that PCB-laden solvent had been dumped into SD-A18-MH; although Boeing maintained that they had not caused this release, they agreed to clean the storm drain to prevent further spread of PCBs into the environment (Boeing 1986b). The following cleanup actions were planned: (1) hydroblasting of storm drain piping beginning at manhole SD-A20-MH to manhole SD-A1-MH; and (2) cleaning of two oil/water separators, which had collected sediment due to tidal influence back flushing (Boeing 1986b).
1986	Follow-up sampling was conducted on December 2, 1986, from manhole SD-A18-MH and a location downstream of manhole SD-A-5 (located southwest of Building 3-315). PCB concentrations were 8.9 mg/kg and 4.9 mg/kg, respectively (Boeing 1986h).
1992	In 1992, during scheduled maintenance cleaning of the storm drain system, Boeing discovered PCBs and TPH in concentrations exceeding MTCA Method A cleanup levels in soils/sediments that had accumulated in the storm drain piping system (Boeing 1993e). An investigation was subsequently conducted (Landau 1993a).
July-August 1992	In July 1992, soil was collected from 25 storm drain manholes and catch basins at main branch point locations in those portions of the system that drain to Slip 4. Two soil samples were also collected from the GTSP Flume, one sample from an oil/water separator, and one sample from the lift station. The sampling locations were concentrated at the north end of NBF. In August 1992, two locations were re-sampled and samples were collected at five additional locations (Landau 1993a). Invert elevations (the lowest point at the sampling location in which water can flow) were measured at most sampling locations to determine elevation trends in the storm drain lines.



Year	Activity
	Soil samples were analyzed for PCBs, TPH, and TOC. Concentrations of up to 526 mg/kg PCBs and 14,000 mg/kg TPH were detected in sediments at the north end of the facility, near the GTSP; concentrations up to 1,240 mg/kg <sup>8</sup> PCBs and 3,000 mg/kg TPH were observed in the flight line area (Boeing 1992h). Aroclors 1254 and 1260 were the predominant contaminants. TOC values ranged from 0.6 percent to 13.3 percent.
September 1992	In a letter to Ecology dated September 23, 1992, Boeing pointed out that the adjacent SCL property is higher in elevation than NBF and is known to have extensive PCB contamination of soils, and therefore the presence of contaminated sediment in storm drains at the northern end of NBF is most likely due to stormwater run-on from the SCL property (Boeing 1992h). In addition, the letter indicates that although there are no apparent sources of PCBs in the flight line area, these storm drains were, until 1990, directly connected to Slip 4 and subject to tidal back flushing from the slip (Boeing 1992h). An Ecology memorandum dated October 2, 1992, indicates that the pattern of PCB contamination and the proposed stormwater run-on route from the GTSP to NBF are inconsistent (Peck 1992).
October 1992	An Ecology memorandum dated October 2, 1992, indicates that the pattern of PCB contamination and the proposed stormwater run-on route from SCL to Boeing are inconsistent (Peck 1992).
October-December 1992	Between October and December 1992, accessible soils/sediment were removed from the storm drain system by pumping water under high pressure into isolated segments of the system. The resulting solid/liquid mixture was dewatered, and both the dewatered soil and decanted water were sampled for chemical characterization (Landau 1993b). Some storm lines, catch basins, and manholes could not be cleaned because of excess water in the system, blockage problems, obstructed access to catch basins or manholes, or the angle of the storm line. Approximately 90 percent of the manholes and 81 percent of the catch basins were cleaned; approximately 60 percent of the estimated 7 miles of piping was cleaned (Landau 1993b). A total of 130 cubic yards of dewatered soil (six 40-cubic yard drop boxes) were transported for disposal to a licensed Arlington, Oregon facility for disposal as TSCA regulated material. PCB concentrations in the soil samples ranged from 5.1 to 160 mg/kg (Landau 1993b). Wastewater was processed at the Boeing wastewater treatment plant and then discharged to the Metro sewer. PCBs in the water samples ranged from 8 to 280 µg/L. The cleanup of soils/sediments was completed on December 22, 1992.
April 1993	In a letter to Ecology on April 30, 1993 (Boeing 1993e), Boeing stated that no PCB transformers or PCB equipment were known to be in use at North Boeing Field at that time. Boeing claims that “there is no known evidence of Boeing PCB materials that could have been responsible for the concentrations found in the storm drain system.” (Boeing 1993e).
September 1993	In a letter to Ecology dated September 13, 1993, Boeing asserted that potential environmental impacts from any remaining soils/sediments in the storm system are minimal because migration pathways are limited to loose pipe joints and/or small cracks, PCBs were found in the sediments only (not in the water), and the physical characteristics of the sediments (i.e., grain size and density) would preclude movement of these sediments through small cracks or loose pipe joints (Boeing 1993h).
1996-1998	Additional sampling was conducted in October 1996; September 1997; and August 1998. Storm drain samples collected during 1996 through August 1998. Samples contained PCBs ranging from 0.25 to 234 mg/kg; the highest PCB concentrations were found in OWS-186 <sup>9</sup> (234 mg/kg), CB370 (158 mg/kg), CB224 (145 mg/kg), and OWS-483B (110 mg/kg).

<sup>8</sup> Note: Analytical results for a sample collected from MH-8B (MH-17-2) showed total PCBs of 1,240 mg/kg; however, a duplicate sample at this location (MH-17-3) contained 328 mg/kg. A sample at this location collected one month earlier (MH-17-1) contained 287 mg/kg total PCBs. The poor replication of results was attributed to sample inhomogeneity, small sample volumes, and dilution.

<sup>9</sup> OWS-186 is also known as UBF-55.

Year	Activity
March-August 2000	Additional storm drain system sampling was conducted in March 2000 and May through August 2000. Samples contained PCBs ranging from 0.2 to 342 mg/kg; the highest PCB concentrations were found in MH-483A (342 mg/kg), CB584 (213 mg/kg), OWS-186 (199 mg/kg), CB228F (161 mg/kg), and CB384 (130 mg/kg). (Note that CB584 is no longer Boeing-leased property.)
July-August 2004	<p>In 2004, Boeing collected suspended solids from the King County lift station, which discharges to Slip 4 (Landau 2004b). A filtration system was installed on the inlet side of the lift station; a 20-inch bag filter housing and 5-micron rated polypropylene felt filter bags were used. Two samples were collected: one during dry weather (afternoon of July 19 to morning of July 20, 2004), and the other during a period of light rainfall (morning of August 25 to afternoon of August 26, 2004). Filtration was discontinued in both cases when the filter was found to be clogged. A total of approximately 2,484 and 2,456 gallons, respectively, were collected during the two events. The filter bags were analyzed for PCBs. Aroclor 1254 was detected at concentrations of 76 to 270 µg per kg of filter fabric; Aroclor 1260 was detected in one of the samples at 120 µg per kg of filter fabric (Landau 2004b).</p> <p>Based on these results, Landau Associates calculated total PCB concentrations in the filtered solids of 0.18 mg/kg and 1.18 mg/kg in the two samples. Using an average TOC value for Slip 4 surface sediments (3.2%), OC-normalized PCB concentrations of 6 mg/kg and 36 mg/kg were calculated for the two filter samples (Landau 2004b).</p>
November-December 2004	Additional filtration and PCB testing was conducted in November and December 2004, using the same methodology described above (Boeing 2005b). A sample from CB-178 contained 90 µg/kg filter material PCBs (Aroclor 1254); samples from CB-461 and CB-482 contained 40 µg/kg and 127 µg/kg filter material total PCBs, respectively (approximately equal proportion Aroclors 1254 and 1260). These values correspond to filtered solids concentrations of 0.30 mg/kg, 0.067 mg/kg, and 0.17 mg/kg total PCBs, respectively. OC-normalized concentrations ranged from 2.1 to 9 mg/kg PCBs (Boeing 2005b).
February 2005	<p>On February 16, 2005, SPU conducted a site visit to NBF to select locations for installation of inline sediment traps. Inline grab samples were collected (and split with Boeing) at locations where sediment had accumulated in the lines (MH-100, MH-221A, MH-229A, and MH-363) (Bach 2005b, Integral 2006a).</p> <p>MH-100 (1.82 and 1.98 mg/kg DW PCBs) is located at the downstream end of the GTSP Flume, prior to crossing under East Marginal Way S. MH-221A (1.0 and 1.49 mg/kg DW PCBs) is located on north central lateral, one of the main drain lines serving the flight line areas. MH-229A (0.31 and 5.6 mg/kg DW PCBs) is also on the north central lateral, but is upstream of MH-221A; this section of the storm drain serves KCIA. MH-363 (7 and 31 mg/kg DW PCBs) is on the north lateral near the PEL just above the confluence with the north central lateral.</p> <p>PCBs were detected in all four manholes at concentrations ranging from 0.3 mg/kg (MH-221A) to 31 mg/kg (MH-363); OC-normalized PCB concentrations were 7.1 to 2,793 mg/kg OC (SPU and King County 2005b). Other detected analytes included arsenic (8 to 30 mg/kg), copper (45.1 to 102 mg/kg), lead (50 to 155 mg/kg), mercury (0.07 to 0.7 mg/kg), zinc (218 to 1,130 mg/kg), diesel range hydrocarbons (36 to 200 mg/kg), motor oil (140 to 1,100 mg/kg), and BEHP (0.43 to 2.2 mg/kg; 30 to 76 mg/kg OC). In addition, a variety of SVOCs were detected in MH-229A; these included cPAHs (over 20 mg/kg total), non-cPAHs, di-n-octyl phthalate, dibenzofuran, and carbazole (Bach 2005a).</p>
March 2005	A sediment sample was collected from the flume on March 25, 2005, adjacent to a capped 15-inch pipe entering the east side of the flume at the downstream end of the GTSP discharge tunnel contained 92 mg/kg (1,746 mg/kg OC) of PCBs (SPU and King County 2005b). This pipe formerly drained portions of the NBF site bordering the GTSP.
March 2005	An active 8-inch pipe draining from NBF into the flume approximately 790 feet from the upstream end of the flume was observed during a 2005 inspection of the flume (SPU and King County 2005b). This discharge was permitted prior to 1987 for discharge of 100 gpm of non-contact cooling water.

Year	Activity
March 2005	Also in March 2005, SPU installed sediment traps at nine locations at NBF and KCIA, including locations along each of the four main lateral storm drain lines passing through NBF (Figure 7) (SPU and King County 2005b). Traps were installed upstream and downstream of NBF on each lateral to track where PCBs entered the system. Sediment trap sampling is discussed in more detail in Section 4.4.4.
April 2005	In April 2005, another filter sample was collected at the King County lift station; 310 µg/kg filter of PCBs were detected. This corresponds to calculated PCB concentrations in filtered solids of 0.52 mg/kg DW, or 16 mg/kg OC. This is within the range of the earlier samples (collected in July and August of 2004). Two additional samples, from CB-130 and CB-114, were collected in October 2005. Results indicated the presence of Aroclors 1248, 1254, and 1260; total PCBs ranged from 1,170 to 1,420 µg/kg filter material (Boeing 2005b). Calculated PCB concentrations in filtered solids were 2.2 mg/kg DW, 68.3 mg/kg OC in CB-130, and 1.4 mg/kg DW, 42.7 mg/kg OC in CB-114 (Boeing 2005b).
May-June 2005	During May and June 2005, 13 storm drain structures were sampled for PCBs. Twelve of these structures were identified for sampling due to elevated PCB detections discovered during prior sampling events. Sample results for the 12 structures from July and August 1991 to August 2000 had PCB detections ranging from 17 to 342 mg/kg (Bach 2005c, 2005d). Results from May and June 2005 ranged from 3.5 to 50 mg/kg DW.
August 2005	In August 2005, SPU and Boeing removed and redeployed the sediment traps for the winter wet season (Bach 2005b). Chemicals that exceeded SMS include mercury, zinc, BEHP, and PCBs. Results are discussed in Section 4.4.4.
September – November 2005	During September 2005 through November 2005, Boeing conducted an investigation to determine the source of PCBs in the north storm drain line (where PCBs were detected in sediment at 24 mg/kg DW). Samples were obtained from nine catch basins and PCBs were detected from 0.07 mg/kg to 1,310 mg/kg DW (Bach 2006o). The highest PCB concentrations were found in CB173 (1,310 mg/kg in September, 400 mg/kg in October). In addition, filter bag samples were collected from CB173 (510 mg/kg), CB130, and CB114 (ARI 2005a).
September – November 2005	In order to determine whether infiltration of PCB-contaminated soil to storm drains from breaks or gaps in the piping system is occurring in the vicinity of CB-173 (the catch basin with 1,310 mg/kg DW PCB), Boeing removed accumulated sediment from the lines leading to this catch basin and conducted a video inspection. The system appeared to be in good condition with no visual gaps or breaks in the piping (Cargill 2005b). The line had been last cleaned in 1992 (Bach 2005f). During an inspection to identify potential PCB sources, Boeing personnel observed soil entering the NBF drainage from the GTSP property; soil was entering the drainage system along gaps in the Jersey barrier retaining wall (near the location of the former low-lying area at GTSP) (Cargill 2005b). Boeing collected samples of the soil; the concentrations of total PCBs ranged from 0.049 mg/kg DW to 2,400 mg/kg DW, with concentrations in 7 of 20 samples exceeding 1 mg/kg (Bach 2005e).
September – November 2005	In addition, samples were collected from six manholes and two oil/water separators during this time period. Manhole sediment PCB concentrations ranged from 0.11 mg/kg to 84 mg/kg (in MH-193). Sediments in oil/water separators OWS-132 and OWS-186 contained 12 and 49 mg/kg PCBs, respectively (Boeing 2005b).
2006	During 2006, investigation efforts were focused on the evaluation of structures where PCBs had historically been detected at concentrations above 10 mg/kg. These samples showed PCBs ranging from 1.0 to 1,200 mg/kg, with highest detections in OWS-186 (1,200 mg/kg), MH-193 (191 mg/kg), and CB173 (110 mg/kg in March, 122 mg/kg in May) (Bach 2006n).
March 2006	In-line sediment traps were removed and sampled in March 2006 (Bach 2006f).
March 2006	Catch basin filter inserts were installed on two catch basins (CB182 and CB185) along the storm drain line near the GTSP-NBF fence line to limit potential infiltration of solids into the catch basins during rainfall events. In March 2006, Boeing collected samples from these filters (Bach 2006c). Results showed Aroclor 1254 at concentrations of 14.0 and 5.5 mg/kg, respectively. In addition, Boeing resampled catch basin CB-173, which receives drainage from CB-182 and CB-185, as well as from other areas around Building 3-323 (Bach 2006d); sediment in this catch basin contained Aroclor 1254 at a concentration of 110 mg/kg (Bach 2006c). The samples from

Year	Activity
	<p>CB-182 and CB-185 consisted of solids obtained from catch basin filters that had been installed to prevent soil from entering the catch basins along the GTSP fenceline (Bach 2006d). These filters are not designed to capture fine particulates, so it is not clear how much of the PCB-contaminated particulates passed through the filters (Bach 2006d). The CB-173 sample was collected from the bottom of the manhole.</p>
<p>April 2006</p>	<p>On April 26, 2006, Boeing sampled storm drain lines leading to CB173 for PCBs (Bach 2006e, ARI 2006). Samples were collected from the base of CB182 (6.1 mg/kg) and CB185 (11 mg/kg), the catch basins with insert filter fabric located near the fence line between GTSP and NBF. Results were similar to those from filter material samples collected previously, which indicates that fine soil particulates may be passing through the filters. A solids sample was collected from a 6-inch concrete pipe entering CB179 (34 mg/kg); this pipe enters CB179 from the north (parallel to the fence line) (Bach 2006e). One sample (labeled as CB173) was actually collected from the pipe leading from CB174 (29 mg/kg). An accumulation of dark fine sand had collected in this pipe. Groundwater appears to be infiltrating to this line from an unsealed pipe connection; the fine sand is likely being transported by that infiltration (Bach 2006e). A solids sample was also collected from CB175 (3.2 mg/kg), one of the other three influent sources to CB173.</p>
<p>May 2006</p>	<p>In May 2006, Seattle City Light conducted an interim soil cleanup action to remove PCB-contaminated soil near the fence line between the GTSP and NBF (SCL 2006). Boeing had installed a temporary sandbag dam on the 15-inch drain line at CB173 that receives drainage from MH-179, MH-179A, CB175A, CB175, CB174, CB174A, and the GTSP fence line catch basins. The dam allowed Boeing to collect a solids sample from CB173 prior to conducting a cleanout of the storm drain lines. This sample contained 122 mg/kg total PCBs (Bach 2006h).</p>
<p>May 2006</p>	<p>On May 31, immediately after Seattle City Light completed the interim soil cleanup action, Boeing cleaned the storm drain lines and catch basins flowing into CB173 (Bach 2006h). After the cleanout, two 6-inch storm drain lines entering MH-179 and MH-179A from the north were plugged; these drain lines appeared to be abandoned. Boeing collected samples from CB173 both before and after the cleanout (May 30, 2006, and June 22, 2006) (Bach 2006h,i). Approximately ½-inch of solids had accumulated since the cleanout on May 31. The results indicated the presence of total PCBs at 26 mg/kg. This was very similar to the April 26 result for the pipe leading from CB174 (see above). Based on this, Boeing postulated that groundwater infiltration to the unsealed pipe location may be transporting and contributing PCBs to CB173 (Bach 2006i). Boeing temporarily plugged and bypassed the line with the unsealed pipe connection; drainage would be re-routed directly from CB173 to CB174, with a sump pump installed in CB174. Boeing planned to clean CB173 again and later resample.</p>
<p>July 2006</p>	<p>In July 2006, samples of storm drain solid material were collected from catch basins, manholes, and oil/water separators throughout NBF that historically have detected over 10 mg/kg PCBs (Bach 2006h). Concentrations generally ranged between 1 and 10 mg/kg in most structures sampled. Higher concentrations of PCBs were detected in the following structures (Bach 2006i): OWS-186 (1,200 mg/kg); MH-193, which drains to OWS-186 (191 mg/kg); MH-179 (47 mg/kg); CB-372 (32.8 mg/kg) and CB-370 (28 mg/kg), in the central area of NBF; CB-225 (27.9 mg/kg); and CB-193, CB-194, CB-416, MH-226, MH-249, and OWS-226A (all between 10 and 20 mg/kg). In addition, a sample collected from CB-113 on July 7 contained 31.7 mg/kg PCBs; a re-sample collected on July 25 did not detect PCBs.</p> <p>OWS-186 appeared to be quite old; it is a steel underground tank formerly known as UBF-55. The outflow from this unit was blocked, and stormwater apparently filled the separator and then backflowed out of the inflow pipe (Bach 2006m). The line between CB-174 and CB-173 (with the unsealed pipe connected) remained temporarily plugged; Boeing planned to repair this section of the storm drain in the near future.</p>
<p>July 2006</p>	<p>Selected structures on the south drain line were also sampled by Boeing in July 2006 (approximately 25 to 30 locations). BEHP was detected at concentrations ranging from 0.75 to 42 mg/kg. Butylbenzyl phthalate, di-n-butyl phthalate, and di-n-octyl phthalate were also detected in several samples; the highest concentration was 34 mg/kg of di-n-octyl phthalate in OWS-1C.</p>

Year	Activity
August 2006	In August of 2006, Boeing cleaned out OWS-640 on the south lateral (Bach 2006j). The clean-out took about one week to complete. The separator holds approximately 20,000 gallons of water and has multiple sets of coalescing plates that were pressure washed. Solids removed from this unit were combined with those from other catch basins and the north storm drain line which were cleaned at the same time, therefore no samples specific to OWS-640 were collected. (A sample collected in January 2006 contained 2.6 mg/kg PCBs.)
August/October 2006	<p>In August and October 2006, Boeing cleaned out over 1,700 feet of the north drain line (Figure 4-41a) as well as catch basins in various locations at NBF, including the following:</p> <ul style="list-style-type: none"> <li>▪ South Lateral: OWS-640</li> <li>▪ South-Central Lateral: CB-415, CB-416, CB-418, CB-419, CB-420, CB-370</li> <li>▪ North-Central Lateral: MH-249, CB-372, MH-226, MH-227</li> <li>▪ North Lateral: the north storm drain line from CB-173 to the King County lift station was cleaned out, including CB-113, CB-173, CB-174, CB-193, CB-194, CB-364A, MH-108, MH-130, MH-179, MH-179A, MH-187, MH-193, OWS-153, and OWS-186.</li> </ul> <p>A total of approximately 500 feet of the north drain line were cleaned, including OWS-186 (which contained elevated PCBs), before reaching the capacity in the treatment system holding tanks (Bach 2006p, 2006q). This clean-out included at least 20 feet of any side drain lines that connected to manholes along the north storm drain line (Bach 2006j), as well as drain lines associated with OWS-186 (Bach 2006f).</p>
October 2006	OWS-186 was plugged with inflatable pipe plugs on October 11 (Bach 2006p). In early November, Boeing personnel observed an increase in water level in OWS-186, even though the inflow and outflow lines to this separator had been plugged. On November 2, a Boeing field engineer pumped water out of OWS-186 to avoid a potential overflow; a slight sheen was observed on the surface of the water in the separator (Bach 2006q). A grab sample collected from the water at the top of the separator (including the surface sheen) was analyzed for PCBs and contained 47 µg/L (Aroclor 1242). Due to heavy rain, it was necessary to continue pumping water out of this structure. Boeing ultimately removed the downstream plug, thus allowing the oil/water separator to drain (Bach 2006q).
November 2006	On November 8, Boeing identified another line that leads to OWS-186 (Bach 2006r); on November 14, the inflow tube was cut off, allowing the installation of a temporary plug from the inside of this unit. The separator was completely pumped out at that time (Bach 2006s).
November 2006	On November 17, soil samples were collected to characterize this area prior to construction of the new drain lines (Bach 2006s). Also on November 17, sediment samples were collected from two catch basins that drain to OWS-186 from the airfield side of the blast fence. CB-1 sediments contained 0.57 mg/kg PCBs; CB-188 sediments contained 0.39 mg/kg PCBs (Bach 2006t).
December 2006	Another set of sediment samples from 15 catch basins was collected on December 8, 2006 (Bach 2006u). PCB concentrations in these samples ranged from 1.2 to 107 mg/kg. The highest concentrations (107 mg/kg) were found in CB-363 (located at the downstream end of the north drain line, near the northeast corner of Building 3-380). PCBs were also high in MH-187 (64 mg/kg), which is downstream of OWS-186, and CB-194 (28 mg/kg). CB-173 was also re-sampled and contained 43.2 mg/kg PCBs.

#### 4.4.1 Recent Storm Drain Investigations and Cleanups: 2007 to February 2009

In January 2007, Boeing conducted a storm drain video inspection to assess the condition of the storm drain piping in the northern portion of NBF (Landau 2007d). There had been signs of groundwater infiltration into the storm drain pipes in this area, including water flow during periods of dry weather and orange staining that appears to be the result of iron bacteria. Two types of cameras were utilized during the investigation: a motorized camera unit for lines of 6-

inch diameter or larger, and a push camera on smaller lines or in tight areas where the motorized camera would not fit. Some portions of the north area storm drain lines could not be investigated by video camera due to a high level of standing water, blockage by solids, or blockage by pipe configuration. Detailed results of the video inspection are provided in Landau 2007d.

Boeing continued to clean and upgrade the storm drain system in 2007, particularly in the northern portion of the site (Figure 4-41a through 4-41d). Activities conducted in 2007 included the following:

- Replacement/rerouting of storm drain lines in June through September 2007
- Lining of storm drain lines with cured-in-place pipe (CIPP) in November 2007
- Cleaning of storm drain lines by pipe-jetting (October through December 2007)

Storm drains near the NBF-GTSP fence line were replaced in June/July 2007 (Figure 4-41a). The work was conducted in three phases (Landau 2007c). Soil samples were collected in the trench along the new storm drain alignment, as discussed in Section 4.3.1.1. The first phase involved partial removal and abandoning in place of existing storm drain system piping, and installation of new piping between catch basin CB-187 and manhole MH-181. OWS-186 was abandoned in place and filled with concrete grout. Two new catch basins were installed: CB-187A downstream of CB-187, and CB-182A between CB-182 and MH-181.

The second phase of storm drain system line replacement involved removal and installation of approximately 50 feet of storm drain line east and upstream from the new catch basin CB-187A. Two new catch basins were installed: CB-188B was installed just off the northwest corner of Building 3-326, and CB-188A was installed at the junction between CB-188 and the roof drain line that flows into CB-188B.

The third phase of the stormwater system line replacement involved abandoning and replacing portions of the stormwater system between MH-179A and CB-173, and between CB-174 and CB-173. During this phase of the repairs, catch basin CB-175 was removed and replaced. A new manhole (MH-179B) was also placed in this portion of the run (Landau 2007c).

In late February 2008, manholes MH-172 and MH-173 and catch basin CB-188 were injection grout sealed. A significant amount of water was found to be leaking into MH-173, and the injection grouting was successful in stopping the leak (Bach 2008h). During the injection grout around MH-172, some of the grout was observed to migrate through cracks in the GTSP Flume. The flume is located a short distance from this manhole, so the grout appears to have been successful in filling voids in the immediate area around this manhole (Bach 2008h).

In September 2008, eight samples were collected from catch basins and manholes on NBF as part of a study to identify potential sources of PCBs to Slip 4 (Landau 2008a). The following catch basins and manholes were sampled: CB-224, CB-225, CB-228F, CB-372, CB-372A, CB-384B, CB-415, and MH-229A. Sample results are presented in Table 4-31; sample locations are shown on Figures 4-41a through 4-41d.

PCBs were detected in all of the samples, with total PCB concentrations ranging from 0.074 mg/kg in MH-229A to 22 mg/kg in CB-228F. Additionally, MH-226 and MH-247 were investigated, but no solid materials were present in the manholes, precluding sample collection.

Selected samples were to be analyzed for the full suite of 209 PCB congeners (Exponent 2008). The remaining samples were to be frozen. In addition, two solids samples from the catch basins were sent to the University of Maryland for solids particle characterization. Results were not available at the time this Data Gaps Report was prepared.

In November 2008, Landau Associates collected soil samples from 16 borings (discussed above in Sections 4.3.1.4 and 4.3.2.4) and collected solids samples from eight catch basins along a new storm line installation near the GTSP Flume (Landau 2008b, 2008d). The new storm line was installed to divert NBF runoff away from the flume, in advance of the City's project to replace the flume. Split samples were collected by Integral Consulting where sufficient solid material was available.

Five catch basins (CB-104, CB-106, CB-423A, CB-427, and CB-429) located near Building 3-380 were sampled and analyzed for PCBs and mercury. PCBs were detected in each of the catch basin solids samples. Total PCB concentrations ranged from 0.044 mg/kg in CB-106 to 0.31 mg/kg in CB-427. Mercury was detected in CB-427 and CB-429 at concentrations of 0.06 and 0.15 mg/kg respectively (Landau 2008b).

Three catch basins (CB-165, CB-167, and CB-184) located near Building 3-322 were also sampled. PCB were detected in all three samples. Total PCB concentrations ranged from 0.71 mg/kg in CB-165 to 2.2 mg/kg in CB-184. Mercury was also detected in all three catch basins, with concentrations ranging from 0.59 mg/kg in CB-167 to 1.1 mg/kg in CB-165 (Landau 2008b).

Aroclor 1254 was detected in all eight catch basin samples; Aroclor 1260 was detected in three of the samples, and Aroclor 1248 was detected in three other samples.

Sediment trap samples were again collected in early December 2008. Results showed a continued decrease in total PCB concentration (3.1 mg/kg) at location T5 (MH-363) compared with results from the past two years (Landau 2008c). However, the total PCB concentration downstream at T1 (MH-422) was higher (19 mg/kg) than the concentration at T5, which indicates that there may be a source of PCBs to the storm drain system between sediment trap locations T5 and T1. In December 2008, Landau Associates collected samples of solid material from the portion of the NBF storm drain system downstream of location T5 and upstream of location T1 (Landau 2009), near Building 3-380. Samples from eight catch basins, four manholes, and one oil/water separator were analyzed for the presence of PCBs. Split samples were collected by Integral Consulting on behalf of SPU.

PCBs were detected in all 13 samples, with concentrations ranging from 0.041 mg/kg in MH-428 to 4.6 mg/kg in CB-224. Aroclor 1254 was detected in all 13 samples; Aroclor 1260 was detected in nine of the 13 samples, and one sample also contained Aroclor 1248.

Boeing has continued to clean or replace portions of the storm drain system piping (Figure 41). System cleaning and upgrades in 2008 include (Bach 2008h, Bach 2009a):

- Cleaning of additional storm drain lines by pipe-jetting (April 2008)
- Construction of storm drain line additions in conjunction with the Flume Realignment Project (Summer 2008)

In late 2008, Boeing repaired a section of storm drain line in the Apron A/B flight line areas in the Central NBF Area (Figure 4-41b). This section drains to the north central lateral storm drain line. Re-lining of this section of storm drain pipe was conducted after a video inspection revealed the presence of a degraded corrugated metal pipe that was rusting through (Bach 2008d). Samples of soil removed from this area during the storm drain line repair contained 2.2 to 7.5 mg/kg PCBs (see Section 4.3.2.1).

#### 4.4.2 Sediment Trap Sampling (August 2005 – December 2008)

The potential for sediment recontamination associated with piped outfalls has been evaluated by the installation of sediment traps at stations selected to isolate individual storm drains and subbasins within the larger Slip 4 drainage basin. Traps are installed for a 4- to 6-month period to passively collect samples of suspended sediment present in the stormwater runoff. Because it is difficult to collect adequate volume of sediment, chemical analyses were prioritized as follows: PCBs, metals, SVOCs, TOC, TPH, grain size. In March 2005, SPU installed sediment traps at nine stations in the KCIA SD#3/PS44 EOF and one location in the I-5 storm drain (Figure 4-42):

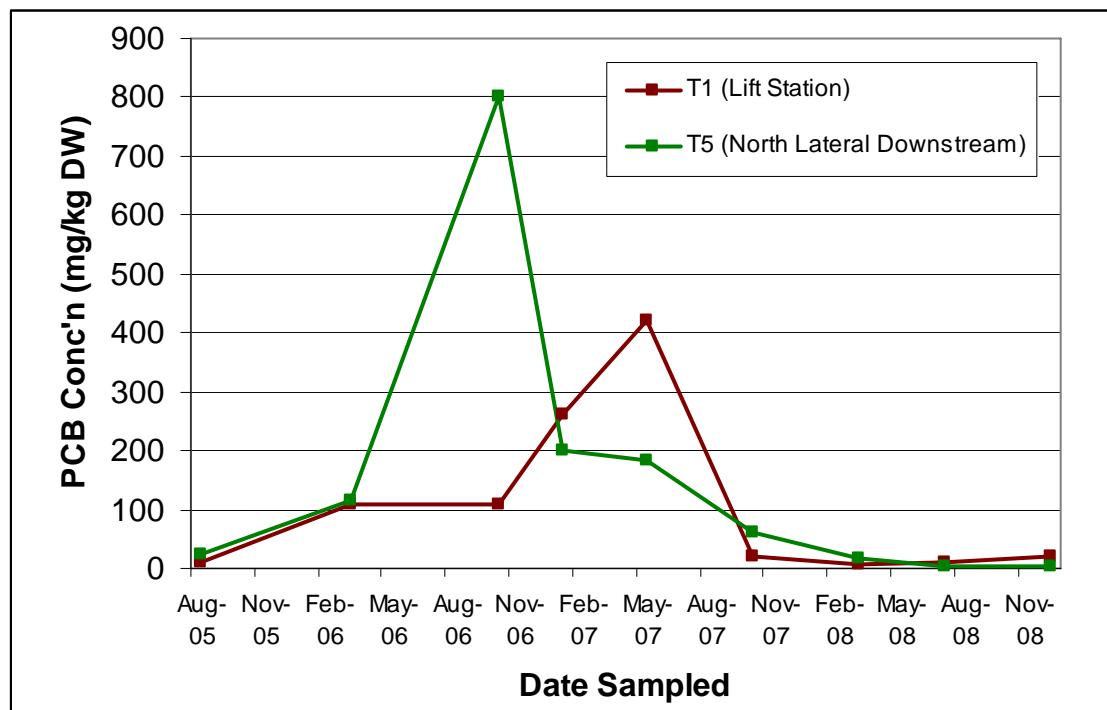
- **T1 (MH-422):** Downstream end of the north and north-central lateral storm drain lines, upstream of the King County lift station (KC Airport SD#3/PS44 EOF)
- **T2 (MH-356) and T2A (MH-482):** Downstream and upstream, respectively, of the Boeing-leased property along the south lateral (KC Airport SD#3/PS44 EOF)
- **T3 (MH-364) and T3A (MH-19C):** Downstream and upstream, respectively, of the Boeing-leased property along south-central lateral (KC Airport SD#3/PS44 /EOF)
- **T4 (MH-221A) and T4A (MH-229A):** Downstream and upstream, respectively, of the Boeing-leased property along the north-central lateral (KC Airport SD#3/PS44 EOF)
- **T5 (MH-363) and T5A (MH-178):** Downstream and upstream, respectively, of the Boeing-leased property along the north lateral (KC Airport SD#3/PS44 EOF)
- **T6:** Intersection of S. Hardy Street and Airport Way S. (I-5 Storm Drain)

As of the end of February 2009, nine rounds of sediment trap sampling have been completed; samples were collected in August 2005, March 2006, October 2006, January 2007, May 2007, October 2007, March 2008, July 2008, and December 2008. Sediment trap locations at NBF/KCIA and PCB sampling results to date are shown in Figure 51 (Bach 2009b). The north drain line (sample location T5) continues to show decreasing trends. PCBs detected in all sediment traps T1 and T5 are predominantly Aroclor 1254; the other sediment traps also contained Aroclor 1260. The remaining sediment traps also continue to show decreasing PCB concentrations.

Sediment trap results are presented in Table 4-31.



Total PCB results in sediment traps T1 and T5, which had the highest concentrations are shown below. Results are summarized in the following sections.



#### 4.4.2.1 T1 – Downstream of North and North-Central Lateral Storm Drain Lines (MH-422)

Total PCBs in sediment trap T1, which is downstream of the north and central lateral drain lines, increased between August 2005 and May 2007 to a peak of 420 mg/kg in May 2007; concentrations dropped significantly to 21.8 mg/kg in November 2008 and 7.6 mg/kg in March 2008 and 19 mg/kg in December 2008. The most recent sample (December 2008) corresponds to a normalized concentration of 477 mg/kg OC, above the SQS (12 mg/kg OC) and CSL (65 mg/kg OC).<sup>10</sup>

Mercury has been detected at T1 at levels above the SQS, with concentrations up to 8.3 mg/kg (October 2006); the most recent sample contained 0.33 mg/kg mercury, below the SQS. Zinc has also been detected at levels above the SQS, with a high concentration of 1,140 mg/kg in October 2006; the most recent (December 2008) sample contained 518 mg/kg zinc, which exceeds the SQS of 410 mg/kg.

Other chemicals that have been detected in storm drain solids at T1 at concentrations above the SQS include BEHP, butylbenzylphthalate (BBP), indeno[1,2,3-cd]pyrene, phenanthrene, benzo(g,h,i)perylene, dibenzo(a,h)anthracene, 2,4-dimethylphenol, 2-methylphenol, 1,2,4-trichlorobenzene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, benzoic acid, benzyl alcohol, and

<sup>10</sup> Data were OC-normalized as described in Section 1.2.4, using TOC data collected for each sample.

hexachlorobutadiene. Benzoic acid (2.6 mg/kg), benzyl alcohol (0.2 mg/kg), and BEHP (2.3 mg/kg) exceeded the SQS in the most recent T1 sediment samples.

#### 4.4.2.2 T2/T2A – South Lateral Storm Drain Line (MH-356/MH-482)

PCB concentrations in both upstream and downstream sediment traps in the south lateral drain line have consistently been relatively low. The most recent data (December 2008) show PCB concentrations below 1 mg/kg DW, within the range of typical urban levels of PCBs. None of the samples collected from T2A, which is upstream of NBF, have contained over 1 mg/kg DW PCBs. Only two samples from T2, which is on the downstream side of the south lateral storm drain line, have exceeded 1 mg/kg DW PCBs (1.46 mg/kg DW in March 2006 and 1.23 mg/kg DW in October 2006).

In the upstream sediment trap (T2A), the October 2006 sample was analyzed for metals and SVOCs. Metals were below the SQS; however, phthalates (BEHP, BBP) and PAHs, including phenanthrene (6.2 mg/kg DW), chrysene (5.5 mg/kg DW), benzo(b)fluoranthene (6.9 mg/kg DW), and benzo(k)fluoranthene (4.9 mg/kg DW), exceeded the SQS. In addition, 4-methylphenol and dibenzofuran were detected above the SQS. A sample was collected at T2A on March 18, 2008; it was analyzed for metals and SVOCs, but results were presented in wet weight, not dry weight.

Zinc (1,560 mg/kg) and mercury (0.60 mg/kg) were detected above the SQS in the downstream sediment trap (T2) in October 2006; concentrations are well below the SQS in the most recent sample collected in October 2007.<sup>11</sup> Phthalates and PAHs were also detected in the most recent (December 2008) sample. However, because no TOC data have ever been collected from any of the sediment trap samples at this location, it is not possible to calculate an OC normalized concentration for comparison to the SQS to determine whether the concentrations of phthalates or PAHs exceed the SQS.

#### 4.4.2.3 T3/T3A – South-Central Lateral Storm Drain Line (MH-364/MH-19C)

The most recent sediment trap samples in this storm drain line (both upstream and downstream) indicate PCB concentrations below 1 mg/kg DW, within the range of typical urban levels of PCBs. PCBs exceeded the SQS in the downstream sediment trap (T3) in March 2006 (1.3 mg/kg DW, 22 mg/kg OC) and January 2007 (0.57 mg/kg DW, 24 mg/kg OC); subsequent samples did not have corresponding TOC data to allow a comparison to the SQS; however, the dry weight concentrations of PCBs were significantly lower in the 2008 samples. Total PCBs in T3 were measured at 0.026 mg/kg DW in December 2008.

In the upstream (T3A) sediment trap, lead exceeded the SQS in March 2006, October 2006, and May 2007, with concentrations ranging from 740 mg/kg DW to 1,070 mg/kg DW during that time period. In addition, zinc exceeded the SQS in October 2006, with a concentration of 418 mg/kg. The only other SQS exceedance reported at this location was 4-methylphenol (3 mg/kg DW) in March 2006. T3A was sampled again in March and August 2008; lead was below the SQS.

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<sup>11</sup> Metals were not analyzed for in the December 3 sediment trap sample from T2.

In the downstream (T3) sediment trap, zinc exceeded the SQS in the October 2006 (293 mg/kg DW) and March 2006 (660 mg/kg DW) sediment trap samples. Lead has been detected at a maximum concentration of 120 mg/kg DW, below the SQS. The most recent sample analyzed for metals (October 2007), did not report any exceedances of the SQS. Phthalates were present at concentrations above the SQS in sediment trap samples collected in March 2006 (di-n-octylphthalate 397 mg/kg OC, BEHP 78 mg/kg OC) and January 2007 (di-n-octylphthalate 462 mg/kg OC, BEHP 151 mg/kg OC). Samples collected in March and December 2008 did not include collection of TOC data and therefore a comparison to the SQS could not be made. However, the DW concentrations of phthalates is significantly lower in the 2008 samples than in the 2007 samples from sediment trap T3 and it is unlikely that they would be above the SQS. In addition, PAHs slightly exceeded the SQS in the January 2007 sample.

#### **4.4.2.4 T4/T4A – North-Central Lateral Storm Drain Line (MH-221A/MH-229A)**

Total PCBs in the upstream sediment trap (T4A) have consistently been below 1 mg/kg DW. PCB concentrations in the downstream sediment trap (T4) have ranged from 0.2 to 2.8 mg/kg DW; concentrations exceeded the SQS in 2005-2007. The most recent sample (December 2008) contained 0.24 mg/kg DW, within the range of typical urban levels of PCBs.

In the upstream sediment trap (T4A), zinc was detected at concentrations above the SQS during 2005 to 2007, with concentrations ranging from 309 mg/kg DW in the October 2007 sample to 1,220 mg/kg in October 2006. No samples from this sediment trap have been analyzed for metals since October 2007. No other metals exceeded the SQS in the upstream sediment trap samples. Phthalates (BEHP, BBP, and di-n-octyl phthalate) exceeded the SQS in the 2005 and 2007 sediment trap samples<sup>12</sup>, as did several PAHs.

In the downstream sediment trap (T4), arsenic, mercury, and zinc have exceeded the SQS in the past. Zinc has ranged from 332 mg/kg DW to 2,460 mg/kg DW; the most recent sample, collected in March 2008, contained 1,080 mg/kg zinc (above the SQS of 410 mg/kg). Mercury exceeded the SQS in 2006/2007 (0.5 to 0.6 mg/kg), but the most recent samples indicate lower concentrations (0.21 mg/kg DW in March 2008).

Phthalates, particularly BEHP and di-n-octyl phthalate, have consistently exceeded the SQS in sediment trap T4, with BEHP concentrations ranging from 0.76 to 9 mg/kg DW and di-n-octyl phthalate concentrations ranging from 6.9 to 11 mg/kg DW; the most recent sample for which TOC data are available (March 2008) showed a BEHP concentration of 2.3 mg/kg DW (52.5 mg/kg OC, above the SQS of 47 mg/kg OC). The December 2008 sediment trap sample contained 5.5 mg/kg DW BEHP; however, no TOC data were available to allow calculation of an OC-normalized concentration.

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<sup>12</sup> The most recent sediment trap sample at T4A for which TOC data are available is January 2007.

#### 4.4.2.5 T5/T5A – North Lateral Storm Drain Line (MH-363/MH-178)

Total PCBs in the upstream sediment trap have consistently been below 1 mg/kg DW and below the SQS. PCB concentrations in the downstream sediment trap have ranged from 24 to 800 mg/kg DW, more than two orders of magnitude higher than the SQS. Concentrations have been decreasing steadily since October 2006, with the most recent sample (December 2008) containing 3.1 mg/kg DW.

4-methylphenol has been present in the upstream sediment trap (T5A) at concentrations ranging from 0.31 to 9.4 mg/kg DW, above the SQS of 0.67 mg/kg DW in five of the seven sediment trap samples that have been collected at this location, including the December 2008 sample. BEHP concentrations have consistently exceeded the SQS in the upstream sediment trap at this location (five of six samples for which TOC data are available), with concentrations from 1.8 to 13 mg/kg DW (28 to 147 mg/kg OC). The most recent sample (December 2008) contained BEHP at 9.8 mg/kg DW (74 mg/kg OC), above the SQS of 47 mg/kg OC.

Zinc has exceeded the SQS in several sediment trap samples during 2006 and 2007, and in the most recent sample (December 2008). Zinc was detected at 691 mg/kg in that sample, above the SQS of 410 mg/kg.

Other chemicals that have exceeded the SQS in the upstream sediment trap (T5A) in the past (although not in the most recent sample) include copper, lead, mercury, butyl benzyl phthalate, di-n-octyl phthalate, fluoranthene, and phenol.

In addition to PCBs, the downstream sediment trap (T5) has consistently shown concentrations of mercury, zinc, and BEHP at concentrations above the SQS. Mercury (0.6 to 5.11 mg/kg) continues to exceed the SQS, although recent concentrations have been lower than during 2006 and 2007, when mercury concentrations in this sediment trap peaked at 5.11 mg/kg (above the SQS of 0.41 mg/kg). The December 2008 sample contained 1 mg/kg mercury. Zinc sediment trap concentrations have ranged from 428 to 1,510 mg/kg (in the December 2008 sample), all above the SQS of 410 mg/kg.

BEHP concentrations have ranged from 2.7 to 19 mg/kg DW (80 to 173 mg/kg OC), above the SQS of 47 mg/kg OC. The most recent sample contained BEHP at 5.9 mg/kg DW. Butyl benzyl phthalate also exceeded the SQS in the December 2008 sample, with a concentration of 0.86 mg/kg DW (7.0 mg/kg OC, above the SQS of 4.9 mg/kg OC).

Other chemicals that have exceeded the SQS in the downstream sediment trap (T5) in the past (although not in the most recent sample) include copper, 4-methylphenol, dibenz(a,h)anthracene, di-n-octyl phthalate, and phenol.

The most recent upstream sediment trap sample (December 2008) contained BEHP, zinc, and 4-methylphenol above the SQS; the downstream sediment trap sample contained copper, mercury, zinc, PCBs, and BBP above the SQS. Concentrations of phthalates and 4-methylphenol in the upstream sediment trap have typically been similar to or higher than the concentrations in the downstream trap, indicating that a potential source of these chemicals may be present at KCIA upstream of sediment trap T5A. The downstream zinc concentration was considerably higher

than the upstream concentration (1,510 mg/kg DW versus 691 mg/kg DW), as were mercury and copper. This implies the presence of potential source(s) of zinc, mercury, and copper within the NBF area.

#### 4.4.2.6 Sediment Trap Sampling Summary

In summary, although concentrations of PCBs in the storm drain system are significantly lower than in 2005-2007, exceedances of sediment regulatory levels for PCBs continue to be detected in sediment trap T5 (north lateral drain line) and T1 (near the King County lift station and downstream of T5). The storm drain system therefore continues to represent a potential ongoing source of sediment recontamination to Slip 4. The level of uncertainty associated with the potential for Slip 4 sediment recontamination associated with PCB contamination in the storm drain system remains high.

Low to moderate exceedances of SQS values in sediment trap samples downstream of KCIA and upstream of NBF have been detected for copper (T5A), lead (T3A), zinc (T3A, T4A, T5A), phthalates (T2A, T4A, T5A) and PAHs (T2A). Moderate exceedances of SQS values have been detected in sediment trap samples downstream of NBF for copper (T5), mercury (T1, T2, T4, T5), zinc (T1, T2, T3, T4, T5), phthalates (T2, T3, T4, T5), and PAHs (T2). Mercury exceedances have occurred frequently at T1, T4, T5A, and T5.

#### 4.4.3 Summary of PCB Contamination in Storm Drains

Although PCB concentrations in the NBF storm drain system have decreased significantly due to the cleaning and upgrading activities that have been performed by Boeing in the last three years, PCBs remain in the storm drain system at concentrations above 1 mg/kg DW. Storm drain sampling results for PCBs are listed in Table 4-31. Sampling results for all detected analytes are provided in Appendix G. Figure 4-43a identifies locations where PCBs have been detected in storm drains above 1 mg/kg in the most recent sample collected; it is apparent from this figure that PCB detections are still widespread throughout the site. Figure 4-43b shows the most recent sampling date for each storm drain structure; many structures have not been sampled in several years.

PCB concentrations are summarized below (presented as DW concentrations) for the areas that drain to each of the four lateral storm drain lines.

##### 4.4.3.1 North Lateral Storm Drain Line

Drainage structures associated with the North Lateral storm drain line have been extensively sampled. Storm drain solids from several of these have contained very high (>100 mg/kg) PCBs, including MH-422 (sediment trap T1), CB-173, CB-184, CB-185, CB-363, MH-108, MH-172, MH-187, MH-193, MH-363, and OWS-186. Structures with PCB concentrations in storm drain solids above 1 mg/kg and the most recent sample date are listed below<sup>13</sup>:

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<sup>13</sup> Note: Yellow shading indicates PCB concentrations between 10 and 100 mg/kg; orange shading indicates concentrations between 100 and 1,000; red shading indicates concentrations over 1,000 mg/kg PCBs.

Sample Location	Highest Detection Reported Total PCBs (mg/kg DW)	Highest Detection Sample Date	Most Recent Sample Total PCBs (mg/kg DW)	Most Recent Sample Date	Comments
CB-113	32	7/7/2000	8.0	3/13/2007	
CB-114	1.6	7/15/1992	0.87	9/26/2005	
CB-165	5.7	3/13/2007	0.71	11/18/2008	
CB-167	11.8	3/13/2007	0.81	11/18/2008	
CB-173	1,310	9/26/2005	94	3/13/2007	Removed and replaced in 2007
CB-174	13.7	10/24/2005	7.2	3/13/2007	
CB-174A	7.2	10/24/2005	0.72	3/13/2007	
CB-175	3.2	4/6/2006	3.2	4/6/2006	
CB-181B	41.3	3/13/2007	41.3	3/13/2007	
CB-182	19	7/16/1992	9.2	12/8/2006	
CB-184	320	3/13/2007	2.2	11/18/2008	
CB-185	220	7/16/1992	8.4	3/13/2007	
CB-188	3.7	7/17/1992	0.39	11/17/2006	Injection grout sealed in 2008
CB-193	79	3/13/2007	79	3/13/2007	
CB-194	28	12/8/2006	9.3	3/13/2007	
CB-221	4.1	8/11/1998	1.3	12/30/2008	
CB-222	2.0	12/30/2008	2.0	12/30/2008	
CB-225	82	8/18/1998	2.0	12/30/2008	
CB-363	230	3/14/2007	230	3/14/2007	
MH-108	6.6	7/25/2006	6.6	7/25/2006	
MH-108A	13	9/19/1997	5.1	5/1/2000	
MH-130	57	3/13/2007	57	3/13/2007	
MH-172	905	10/14/1985	0.46	5/4/2000	
MH-173	49	8/7/1998	49	8/7/1998	Injection grout sealed in 2008
MH-179	33	5/4/2000	0.7	3/13/2007	
MH-179A	3.7	9/26/2005	3.7	9/26/2005	
MH-181A	18	12/8/2006	13	3/13/2007	
MH-187	180	7/17/1992	100	3/13/2007	Downstream of OWS-186; replaced or rerouted in 2007
MH-193	191	7/25/2006	173	3/13/2007	Formerly drained to OWS-186
MH-223	17	5/1/2000	17	5/1/2000	
MH-363 (T5)	800	10/11/2006	3.1	12/3/2008	
MH-652	8.2	2/26/2007	8.2	2/26/2007	
OWS-132	47	5/1/2000	10	3/15/2007	
OWS-186	1,200	7/15/2006	105	3/13/2007	Abandoned in place; filled with grout (2007)

#### 4.4.3.2 North-Central Lateral Storm Drain Line

Drainage structures associated with the North-Central Lateral storm drain line have also been extensively sampled; however, data gaps remain in areas where caulk data showed elevated levels of PCBs. Storm drain solids from several of the storm drain structures in this area have

contained very high (>100 mg/kg) PCBs, including CB-224, CB-228F, MH-142, and MH-247. In addition, total PCBs above 50 mg/kg have been measured in CB-225, CB-364A, CB-372A, MH-226, and MH-249. Structures with PCB concentrations in storm drain solids above 1 mg/kg and the most recent sample date are listed below:

Sample Location	Highest Detection Reported Total PCBs (mg/kg DW)	Highest Detection Sample Date	Most Recent Sample Total PCBs (mg/kg DW)	Most Recent Sample Date	Comments
CB-224	145	8/18/1998	4.6	12/30/2008	
CB-227	7.5	7/25/2006	2.6	3/14/2007	
CB-228F	161	6/20/2002	22	9/22/2008	
CB-229A	2.6	10/18/1996	0.1	4/10/2007	
CB-364A	70	8/14/2000	2.8	12/30/2008	
CB-372	45	6/20/2000	2.6	9/22/2008	
CB-372A	51	6/20/2000	3.9	9/22/2008	
MH-219	4.2	1/9/1997	2.7	8/11/1998	
MH-220	28	8/11/1998	3.6	12/30/2008	
MH-221A (T4)	2.8	8/11/2005	0.24	12/3/2008	
MH-223	17	5/1/2000	17	5/1/2000	
MH-226	50	3/14/2007	50	3/14/2007	
MH-227	142	8/18/1992	142	8/18/1992	
MH-228	1.5	7/15/1992	1.5	7/15/1992	
MH-228C	20	4/10/2007	20	4/10/2007	
MH-228D	20	4/10/2007	20	4/10/2007	
MH-229A (T4A)	5.6	2/16/2005	0.011 U	12/3/2008	
MH-247	1,240	8/18/1992	34	3/14/2007	
MH-249	98	9/24/1997	4.0	3/14/2007	
OWS-221	2.8	12/30/2008	2.8	12/30/2008	
OWS-226A	32	1/5/2006	32	1/5/2006	
MH-422 (T1)	420	5/4/2007	19	12/3/2008	

#### 4.4.3.3 South-Central Lateral Storm Drain Line

Drainage structures associated with the South-Central Lateral storm drain line have contained moderate to high concentrations of PCBs. Structures for which PCB concentrations have been measured above 50 mg/kg include CB-370, MH-249, and MH-415. Data gaps remain in this area, particularly the area south of Building 3-390 where few samples have been collected. Structures with PCB concentrations in storm drain solids above 1 mg/kg and the most recent sample date are listed below:

Sample Location	Highest Detection Reported Total PCBs (mg/kg DW)	Highest Detection Sample Date	Most Recent Sample Total PCBs (mg/kg DW)	Most Recent Sample Date	Comments
CB-370	158	8/13/1998	6	3/14/2007	
CB-415	8.2	9/22/2008	8.2	9/22/2008	
CB-416	50	5/13/2005	3.7	3/14/2007	
CB-418	23	7/19/2000	2.8	3/14/2007	
CB-419	17	7/19/2000	3.4	3/14/2007	
CB-420	30	5/13/2005	8.4	7/26/2006	
CB-463	5.5	4/10/2007	5.5	4/10/2007	
CB-472	6.9	9/25/1997	0.18	4/10/2007	
CB-473	9.2	8/14/1998	4.3	6/4/2000	
MH-346 (T3)	1.8	3/16/2006	0.026	12/3/2008	
MH-361	2.2	8/12/1998	2.2	8/12/1998	
MH-414	1.5	7/19/2000	0.37	4/10/2007	
MH-415	70	3/14/2007	47	4/10/2007	
OWS-472A	24	3/14/2007	24	3/14/2007	

#### 4.4.3.4 South Lateral Storm Drain Line

Drainage structures associated with the South Lateral storm drain line have contained moderate to high concentrations of PCBs. Structures for which PCB concentrations have been measured above 50 mg/kg include CB-384, MH-356 (T2), MH-483A, and OWS-483B. Structures with PCB concentrations in storm drain solids above 1 mg/kg and the most recent sample date are listed below:

Sample Location	Highest Detection Reported Total PCBs (mg/kg DW)	Highest Detection Sample Date	Most Recent Sample Total PCBs (mg/kg DW)	Most Recent Sample Date	Comments
CB-384	130	8/14/2000	19	3/14/2007	
CB-384B	3.6	9/23/2008	3.6	9/23/2008	
MH-356 (T2)	1.5	3/16/2006	0.01	12/3/2008	
MH-482 (T2A)	1.3	7/15/1992	0.23	5/17/2007	
MH-483A	342	6/4/2000	3.5	5/13/2005	
OWS1-C	11	6/3/2000	2.2	7/16/2006	
OWS-483A	6.6	1/5/2006	6.6	1/5/2006	
OWS-483B	110	9/25/1997	0.74	3/15/2007	
OWS-640	2.6	1/5/2006	2.6	1/5/2006	

#### 4.4.3.5 Other Storm Drain Structures

The locations of many storm drain structures could not be determined based on review of the available documents, and the major lateral storm drain line to which they drain has not been identified. Many of these locations have been sampled only once, and most of them were



sampled prior to 2001. More recent samples are needed to document current conditions in these areas.

A thorough examination of current and historical storm drain system maps should be conducted during preparation of the RI work plan to identify the specific locations of those storm drain structures which contained PCB concentrations above 1 mg/kg during previous sampling events. These structures and the maximum and most recent total PCB concentrations are listed below:

Sample Location	Highest Detection Reported Total PCBs (mg/kg DW)	Highest Detection Sample Date	Most Recent Sample Total PCBs (mg/kg DW)	Most Recent Sample Date	Comments
CB-120A	1.8	5/1/2000	1.8	5/1/2000	
CB-1303	1.7	4/12/2000	1.7	4/12/2000	
CB-1307	1.4	4/11/2000	1.4	4/11/2000	
CB-1308	1.5	6/3/2000	1.5	6/3/2000	
CB-131	12.5	8/10/1998	5.7	8/16/2000	
CB-133B	1.7	7/7/2000	1.7	7/7/2000	
CB-134	4.7	8/22/2000	4.7	8/22/2000	
CB-135	2.1	8/10/1998	2.1	8/10/1998	
CB-137A	1.7	8/16/2000	1.7	8/16/2000	
CB-141	2.6	8/16/2000	2.6	8/16/2000	
CB-142B	2.7	8/16/2000	2.7	8/16/2000	
CB-149	3.8	6/29/2000	3.8	6/29/2000	
CB-152	1.8	8/10/1998	1.8	8/10/1998	
CB-180	1.7	7/16/1992	1.7	7/16/1992	
CB-189	3.5	6/29/2000	3.5	6/29/2000	
CB-191	8.3	8/7/1998	8.3	8/7/1998	
CB-201	7.1	9/22/1997	1.4	8/10/1998	
CB-231	12	5/4/2000	12	5/4/2000	
CB-236	2.2	8/6/1998	2.2	8/6/1998	
CB-244	1.3	8/6/1998	1.3	8/6/1998	
CB-250	1.4	6/4/2000	1.4	6/4/2000	
CB-251	1.4	7/7/2000	1.4	7/7/2000	
CB-252	23	8/14/1998	11	7/7/2000	
CB-253	32	7/7/2000	32	7/7/2000	
CB-254	3.5	7/7/2000	3.5	7/7/2000	
CB-255	2.7	7/7/2000	2.7	7/7/2000	
CB-256	9.5	7/7/2000	9.5	7/7/2000	
CB-257	4.4	6/20/2000	4.4	6/20/2000	
CB-259	2.9	7/10/2000	2.9	7/10/2000	
CB-260	4.8	7/10/2000	4.8	7/10/2000	
CB-261	19	7/19/2000	19	7/19/2000	
CB-291	2.1 U	5/20/2000	2.1 U	5/20/2000	
CB-308	1.6	4/11/2000	1.6	4/11/2000	
CB-310B	2.4	4/12/2000	2.4	4/12/2000	
CB-310G	3.9	4/11/2000	3.9	4/11/2000	
CB-373	19	9/26/1997	0.37 U	6/3/2000	
CB-374	26	8/14/2000	26	8/14/2000	
CB-387	27	8/14/2000	27	8/14/2000	

Sample Location	Highest Detection Reported Total PCBs (mg/kg DW)	Highest Detection Sample Date	Most Recent Sample Total PCBs (mg/kg DW)	Most Recent Sample Date	Comments
CB-405	2.8	8/14/2000	2.8	8/14/2000	
CB-405A	1.1	8/14/2000	1.1	8/14/2000	
CB-405B	1.7	8/14/2000	1.7	8/14/2000	
CB-406	10	8/10/2000	10	8/10/2000	
CB-407	2.7	8/10/2000	2.7	8/10/2000	
CB-408	13	8/10/2000	13	8/10/2000	
CB-412	11	8/10/2000	11	8/10/2000	
CB-435	1.1	4/24/2000	1.1	4/24/2000	
CB-448	7.2	4/11/2000	7.2	4/11/2000	
CB-453	17	4/11/2000	17	4/11/2000	
CB-456	7.7	4/11/2000	7.7	4/11/2000	
CB-458	4.9	4/11/2000	4.9	4/11/2000	
CB-471	16	8/10/2000	16	8/10/2000	
CB-474	37	7/10/2000	37	7/10/2000	
CB-475	3.9	7/10/2000	3.9	7/10/2000	
CB-476	4.9	7/10/2000	4.9	7/10/2000	
CB-483	2.5	7/10/2000	2.5	7/10/2000	
CB-486	1.9	7/10/2000	1.9	7/10/2000	
CB-487	3.4	7/10/2000	3.4	7/10/2000	
CB-488	3.0	7/10/2000	3.0	7/10/2000	
CB-489	1.1	6/4/2000	1.1	6/4/2000	
CB-490	9.0	7/10/2000	9.0	7/10/2000	
CB-502	5.4	7/11/2000	5.4	7/11/2000	
CB-503	2.4	7/11/2000	2.4	7/11/2000	
CB-509	3.6	4/11/2000	3.6	4/11/2000	
CB-542	1.4	8/18/1998	1.4	8/18/1998	
CB-543	3.5	7/19/2000	3.5	7/19/2000	
CB-583	3.3	7/26/2006	3.3	7/16/2006	
CB-584	213	5/21/2000	9.3	7/26/2006	No longer Boeing-leased property.
CB-615	1.6	9/22/1997	1.6	9/22/1997	
CB-627	1.4	5/1/2000	1.4	5/1/2000	
CB-636	1.8	4/11/2000	1.8	4/11/2000	
CB-638	1.5	4/18/2000	1.5	4/18/2000	
MH-101	160	6/1/1985	105	4/24/2000	
MH-105	10	8/12/1998	10	4/24/2000	
MH-131	7	9/19/1997	7	9/19/1997	
MH-132A	25	8/10/1998	25	8/10/1998	
MH-146	3	9/22/1997	3	9/22/1997	
MH-149	2.5	10/18/1996	2.5	10/18/1996	
MH-152	27	9/22/1997	27	9/22/1997	
MH-158	11	9/22/1997	1.3	8/10/1998	
MH-163	6.9	7/16/1992	2.2	8/10/1998	
MH-181	9.0	9/23/1997	6.4	8/11/1998	
MH-221	15	9/23/1996	15	9/23/1996	
MH-228	1.9	4/10/2007	1.9	4/10/2007	
MH-231	4.7	7/15/1992	4.7	7/15/1992	

Sample Location	Highest Detection Reported Total PCBs (mg/kg DW)	Highest Detection Sample Date	Most Recent Sample Total PCBs (mg/kg DW)	Most Recent Sample Date	Comments
MH-248	23	8/14/1993	17	6/4/2000	
MH-266B	1.1	6/3/2000	1.1	6/3/2000	
MH-310F	3.0	4/12/2000	3.0	4/12/2000	
MH-34	4.8	7/16/1992	4.8	7/16/1992	
MH-369	20	6/3/2000	20	6/3/2000	
MH-378	9.7	7/15/1992	9.7	7/15/1992	
MH-402	22	8/14/1998	5.4	6/4/2000	
MH-413	2.1	8/10/2000	2.1	8/10/2000	
MH-443	1.2	9/26/1997	1.2	9/26/1997	
MH-457A	6.4	4/11/2000	6.4	4/11/2000	
MH-461	8.9	12/2/1986	2.5	7/15/1992	
MH-528	2.6	8/17/1998	2.6	8/17/1998	
MH-582	1.4	7/26/2006	1.4	7/26/2006	
MH-642	12	8/10/2000	12	8/10/2000	
OWS-OA6	14	8/6/1998	14	8/6/1998	
OWS-137	6.6	8/16/2000	6.6	8/16/2000	
OWS-220A	3.2	5/4/2000	3.2	5/4/2000	
OWS-226A	17	7/25/2006	11	3/14/2007	
OWS-231	23	8/6/1998	23	8/16/1998	
OWS-289	6.7 U	5/20/2000	6.7 U	5/20/2000	
OWS-445D	2.6	4/11/2000	1.2	8/13/1998	
OWS-549	2.5	4/24/2000	2.5	4/24/2000	
OWS-612	6.7	5/4/2000	6.7	5/4/2000	

#### 4.5 Environmental Investigations and Cleanups: Joint Caulk Material

After an investigation at Boeing Everett indicated the presence of PCBs in the caulk material used to fill expansion joints, an investigation was initiated in October 2000 to characterize the extent of PCBs in material used to fill concrete expansion joints at NBF. PCBs were used in the manufacture of some joint materials as a plasticizer and to protect the caulk from ultraviolet light.

The NBF investigation consisted of the following phases:

- **October/November 2000:** Visual inspection of joint materials; collection of 48 joint material samples (including samples of each type of joint material); and analysis of each sample for PCBs (Landau 2001b).
- **February 2001:** Characterization of joint material types A, E, G, and H, by documenting their location, extent, and condition; examination of the area near each joint sample location with total PCBs above 50 mg/kg for possible spills; and identification of joint material types near storm drain system structures that have historically contained solid material with total PCBs above 10 mg/kg (Landau 2001a).

- **April 2001:** Evaluation of the variability of PCB concentrations in three types of concrete joint material by collecting 39 additional joint material samples (including blind field duplicates) (Landau 2001c).

In October 2000, Boeing conducted a visual inspection of the concrete expansion joints at NBF. Ten joint material types (designated A through J) were identified, based on observed physical properties. In November 2000, samples of each of the 10 types of joint material were collected (48 samples total) and analyzed for PCBs. One sample of Type A joint material contained 23,000 mg/kg PCBs; two samples of Type G joint material contained 35,300 and 50,000 mg/kg PCBs, respectively; and one sample of Type H joint material contained 164 mg/kg PCBs. All other samples contained less than 50 mg/kg PCBs (Landau 2001b).

The February 2001 focused investigation identified joints that contained material types A, E, G, and H as the primary material, and identified joints where remnants of these types of joint material were present. The remnants (referred to as residual joint material) were found in areas where joint material had been replaced, but some of the old material remained along the edges of joints filled with new material. No evidence of spills was observed around previous joint sample locations or storm drain structures with PCB concentrations above 50 mg/kg (Landau 2001a). One additional joint material type (K) and one subtype (C2) were also identified.

A total of 39 additional samples of primary and residual joint material were collected and analyzed for PCBs in April 2001. Maps of the distribution of the various joint material types and concentrations are provided in Landau 2001c.

The extent of Type A joint material was estimated to be about 3,500 linear feet. Eight samples of Type A joint material were collected and analyzed. PCBs were detected in six of the samples, with concentrations ranging from 0.78 to 79,000 mg/kg; the highest concentrations (23,000 to 79,000 mg/kg) were detected north of Building 3-369. About 1,060 linear feet of Type A joint material was present in this area (Landau 2001a). Lower concentrations of PCBs were also detected adjacent to Building 3-350 (49 mg/kg) and near stall B-5 (43 mg/kg).

Type G was found both as primary and residual material, located along the edges of concrete joints filled with another type of material (most often Type B) (Landau 2001a). Approximately 464 linear feet of primary Type G material was found in the northern portion of NBF (north of stall B-9). Residual Type G material was estimated to be present along 56,000 linear feet (10.7 miles) of joints (Landau 2001a). PCBs were detected in all 16 samples that were collected and analyzed, with concentrations ranging from 6.1 to 61,000 mg/kg. Fourteen of the samples had PCB concentrations greater than 1,000 mg/kg. The volume or mass of residual Type G material was not estimated.

Type H joint material was found throughout NBF. The extent of concrete expansion joints filled with Type H material was estimated at 64,000 linear feet (12.1 miles) (Landau 2001a). In addition, residual Type H material was estimated to be present along 191,000 linear feet (36.2 miles) of joints. PCBs were detected in 20 of the 22 samples of this material that were collected and analyzed. Concentrations ranged from 0.54 to 2,240 mg/kg. Three of the samples had PCB concentrations above 100 mg/kg; the highest concentration (2,240 mg/kg) was found northeast of Building 3-390, near stall A-6. Concentrations of 164 to 270 mg/kg were detected near the

Georgetown Steam Plant fence line, in the vicinity of the low-lying area where PCBs were detected during SCL sampling in 1984.

PCBs were detected in other joint material types at lower concentrations:

- Type B: 41.9 mg/kg adjacent to Building 3-350, near stall A-1; 4.3 mg/kg along the east side of NBF near stall B-2
- Type C: 13 mg/kg near Building 3-369; 2.7 mg/kg just north of Building 3-390
- Type D: 2.7 mg/kg near stall A-6
- Type E: 5.2 mg/kg in the northern portion of the site
- Type F: 3.1 mg/kg west of Building 3-369

All other PCB detections were in the range of 1 mg/kg or less.

A letter from Boeing to EPA's PCB Coordinator in September 2001 stated that Boeing had determined that approximately 500 linear feet of concrete joints with sealant that was manufactured with PCBs, and containing PCBs at concentrations greater than 50 mg/kg, was present at NBF (Boeing 2001a). The letter indicated that Boeing planned to remove this material. Boeing also stated that approximately 57,000 linear feet of concrete joints with residual caulking of the same type were identified, and that this material did not show any signs of decay nor evidence that breakdown of the material would enter stormwater runoff (Boeing 2001a). Boeing planned to remove this residual material as part of ongoing joint maintenance activities.

In August 2002, a work plan was prepared by Landau Associates, Inc. for the removal of both primary and residual concrete expansion joint material. This document indicated that 900 linear feet of primary joint material with PCB concentrations above 50 mg/kg had been identified, in addition to the 57,000 linear feet of residual material (ITC 2000). The primary joint material was scheduled for removal in 2002; residual joint materials with PCB concentrations above 50 mg/kg were scheduled for removal between 2003 and 2006.

The following procedures were used to remove the joint material:

- Cut along each side of the joint with a concrete saw.
- Remove by hand as much of the material as possible; the material was drummed for disposal as PCB-containing waste.
- Pressure wash to clean the slurry and debris out of the joint and from the top of the concrete surrounding the joint.
- If any joint material or residual joint material remained, a 6,000-pounds per square inch pressure washer with a point tip and/or a diamond grinding wheel were used to scrape away all of the remaining joint material.
- Clean the concrete surface in the work area with a pressure washer, and remove any accumulated debris from the joint prior to refilling. Drum vacuums were used during pressure washing to control and capture the wastewater, slurry, and debris. Brooms were also used to contain the material.
- Backfill the joints using a non-PCB containing sealant.

Removal of joint material was conducted between 2002 and 2006 (Figure 4-44), as follows (Boeing 2005a, Landau 2002d, Landau 2004a, Landau 2005, Landau 2006):

- August 2002: 900 linear feet of primary joint material and some residual joint material
- 2003: 16,225 linear feet of residual joint material
- June through October 2004: 30,500 linear feet of residual joint material
- June through October 2005: 36,650 linear feet of residual joint material, plus 4,000 linear feet of joint material used to fill cracks in the concrete

Removal activities were conducted by Boeing Maintenance employees, with periodic observation and inspection by Landau Associates (Boeing 2005a). Inflatable plugs were placed in the discharge and inflow pipes of all catch basins within 25 feet of removal activities to minimize the potential for joint material to enter the storm drain system. Because removal activities were performed on days without significant precipitation, it was easy to monitor the surface runoff from removal activities. None of the surface water runoff entered the vicinity of any of the catch basins (Boeing 2005a).

All wastewater generated during the removal activities was contained and transferred to a temporary treatment system constructed at the north end of NBF in 2003. The treatment area was fully contained with a concrete berm. The floor of the treatment area was paved with asphalt and any cracks were sealed to prevent spills from infiltrating the subsurface (PES 2004). The treatment system consisted of a series of tanks, pumps, and filters that were used to separate suspended solids from water. The solids were disposed of at a TSCA-permitted landfill (Boeing 2005a). Water samples were collected and analyzed; if the concentration of PCBs was below the 1.45 µg/L discharge limit, it was discharged to the sanitary sewer. If PCB concentrations were above the discharge limit, the water was reprocessed through the treatment system until the PCB concentration was below the discharge limit. Other solid and hazardous waste generated during removal activities and decontamination activities were contained and labeled (Boeing 2005a).

Approximately 1,450 linear feet of residual joint material containing PCB concentrations greater than 50 mg/kg remained to be removed as of the end of 2005 (Boeing 2006). The last of the joint sealant material with PCB concentrations above 50 mg/kg was removed by Boeing in 2006 (personal communication, Carl Bach to Dan Cargill, July 13, 2006 Slip 4 Source Control Meeting). However, recent testing at Boeing Everett after replacement of PCB-containing joint sealant material found that the new material had been contaminated with PCBs. As a result, Boeing has collected samples at NBF of the joint sealant material that had been installed to replace the original PCB-containing caulk. Based on preliminary data, Boeing found that the new joint sealant material has been contaminated with PCBs at concentrations ranging from <1 mg/kg to 370 mg/kg (Bach 2007a). PCBs originating from the former joint sealant materials have migrated into portions of the concrete panels in the immediate area of the joints, and desorption of PCBs from this concrete to the new joint sealant compounds has resulted in detections of PCBs in the new joint sealant compounds (Bach 2009).

Five concrete joint material samples were collected from the flight line at NBF in 2008 (Figure 4-45). The samples were analyzed for particle size only, not PCBs (Landau 2008a). No results were available at the time this Data Gaps Report was prepared.

## 4.6 Summary of Potential Contaminant Sources at NBF

The 2007 NBF-GTSP Data Gaps Report identified the following potential sources of contamination at NBF. Updated information has been added as appropriate.

February 2007 Data Gaps Report	Updated Information
<p><b>Ongoing Operations:</b> NBF operates in compliance with applicable permits and has a good compliance history with regard to both industrial wastewater and stormwater permits. However, the most recent SWPPP that was available during this review was dated November 1997 (transmitted to Ecology in September 2001). Reportedly, Boeing is in the process of updating this document. To minimize the potential for releases to Slip 4 sediments from ongoing operations at NBF, an up-to-date SWPPP should be maintained. The potential for sediment recontamination due to ongoing operations at NBF is believed to be low.</p>	<p>Boeing published an updated SWPPP in March 2007. This document should continue to be updated as needed. The potential for sediment recontamination due to ongoing operations at NBF is still believed to be low.</p>
<p><b>Building 3-333:</b> PCBs to 4,150 mg/kg were detected near the current location of Building 3-333; a broken pipe containing a black oily substance with over 25,000 mg/kg PCBs was found in this area in 1997. After remediation, residual PCB concentrations remained at the site. PCBs to 51 mg/kg remained on the east wall of the excavation. The bottom of the excavation, which was located below the water table, contained residual PCBs at 380 mg/kg. PCBs in soil and possibly groundwater at this location may be transported to the GTSP Flume or to nearby catch basins. Recent (2005) sampling of CB-209B, located to the south of Building 3-333, found very low PCB concentrations. This area is considered a potential source of sediment recontamination for Slip 4.</p>	<p>A soil sample collected in 2007 at the location of the broken pipe contained 133 mg/kg PCBs at the 5- to 6-foot depth interval. Contaminated soil or groundwater could enter the storm drain system in this area and therefore continues to be considered a potential source of sediment recontamination for Slip 4.</p>
<p><b>UBF-55 and UBF-27:</b> PCBs were detected during removal of fuel storage tank UBF-27 in 1986; residual PCB concentrations were 15 to 43 mg/kg. Soil samples collected near the adjacent oil/water separator UBF-55 (currently known as OWS-186) in 1997 found PCBs to 1,540 mg/kg. No cleanup action was conducted. While the source of PCBs at this location is not known, PCBs have been present in soil and potentially groundwater in this area for at least 20 years. These areas are considered potential sources of sediment recontamination for Slip 4.</p>	<p>In 2007, OWS-186 was abandoned in place and filled with concrete grout. A soil sample collected east of this location in 2007 contained 17.6 mg/kg total PCBs in the 1- to 2-foot depth interval. The source of PCBs at this location is still unknown, and may be a potential source of sediment recontamination.</p>
<p><b>Other Historic Releases to Soil/Groundwater:</b> Numerous environmental investigations have been conducted at NBF over the years. Many were related to petroleum hydrocarbon and solvent releases associated with aircraft maintenance and delivery activities. While PAHs, phthalates, metals, and other contaminants have been detected at some of these sites, these chemicals are believed to pose a much lower sediment recontamination risk than do PCBs. These areas are considered a minor potential source of sediment recontamination for Slip 4.</p>	<p>This document includes a review of new information provided by Boeing regarding other environmental investigations and cleanups performed at NBF. Potential contaminant sources and data gaps are identified in Section 6.0.</p>
<p><b>Storm Drain System:</b> Overall, PCB concentrations in the storm drain system at NBF have been decreasing since efforts to sample and clean out storm drain piping and structures was begun. Despite significant efforts to clean the storm drain system, however, PCBs continue to be detected at high concentrations in catch basins, manholes, and oil/water separators. During 2005/2006, PCBs were detected at concentrations over 100 mg/kg in CB-173, MH-193, and OWS-186; the concentration in OWS-186 was 1,200 mg/kg in July 2006. These levels of PCBs in the storm drain system continue to represent a significant potential source of sediment recontamination for Slip 4.</p>	<p>PCB concentrations in the storm drain system continued to decrease. However, PCBs remain in the storm drain system at concentrations that represent an ongoing potential for Slip 4 sediment recontamination. Other contaminants, such as mercury, have been found in many of the sediment traps.</p>

<b>February 2007 Data Gaps Report</b>	<b>Updated Information</b>
<p><b>Joint Material:</b> Boeing has removed concrete joint material containing PCB concentrations above 50 mg/kg. However, it is likely that PCBs are continuing to enter the storm drain system due to the deterioration of joint material containing less than 50 mg/kg. The remaining PCB-containing joint material is believed to be a potential source of sediment recontamination for Slip 4.</p>	<p>Concrete joint material containing PCBs remains present at NBF and may be a potential source of sediment recontamination. In addition, other building materials that may contain PCBs have not been investigated.</p>



## 5.0 Potential Offsite Sources

### 5.1 King County International Airport

KCIA is a general aviation airport owned and operated by King County as a public utility. The site covers about 615 acres (including the Boeing-leased area), of which 435 acres are impervious surface covered by buildings and paved areas. The remaining 180 acres consist of grass and landscaped areas (Ecology 2006).

#### 5.1.1 Current Operations

According to the KCIA 2001 Master Plan, the facility consists of two runways, an extensive system of taxiways, aircraft parking aprons, industrial aviation facilities, hangars, commercial aviation business facilities, a terminal building, and various other airport facilities (KCIA 2001).

The main runway (13R/31L) is 10,000 feet in length and 200 feet in width; the secondary runway (13L/31R) is 3,710 feet in length and 100 feet in width. Both are constructed of asphaltic concrete and Portland cement concrete (KCIA 2001). The runways have full-length parallel taxiway systems, as well as a system of exit taxiways (allowing airplanes to exit the runways) and connecting taxiways (providing access to aircraft parking and hangar areas).

On the west side of the airport, the northern aircraft parking apron areas are occupied by Boeing, while the southern apron areas are utilized by general aviation aircraft. On the east side of the airport, the aprons north of the terminal building are used for general aviation aircraft parking, while south of the terminal, the aprons are used by air cargo and general aviation operators (KCIA 2001).

Commercial aviation operators located on the east side of KCIA include Classic Helicopter, King County Jet Center, Galvin Flying Service, Boeing Business Jets, Flightcenter, Aeroflight, and Wings Aloft. Numerous general aviation aircraft storage hangars are also located on the east side of the airport. The Terminal Building is centrally located on the east side of the airport; it is a two-story structure originally constructed in 1930. Connected to the Terminal Building on the south is a 38,000-square foot Arrivals Building, constructed in 1978. Five parking lots are located near the Terminal Building; additional parking is associated with leased properties.

The airport's main fuel storage facility is located on the north end of KCIA property; the facility is privately owned by a company that leases storage in the tanks to the fixed base operators at the airport. It consists of 10 20,000-gallon underground storage tanks (seven jet fuel tanks and three aviation gasoline tanks). As of 2001, the facility was located within the Runway 13R protection zone and was scheduled for relocation (KCIA 2001).

The airport's airfield maintenance facility is located in the northwest corner of the airport in a 51,840-square foot building. The air traffic control tower is located mid-field, on the west side of the airport. An Aircraft Rescue and Fire Fighting (ARFF) facility is located adjacent to the tower.

An area on the northwest corner of airport property does not have taxiway access and is therefore dominated by non-aviation uses: Washington Air National Guard, a landscape nursery, a King County truck maintenance facility, a KCIA maintenance shop, and the FAA Flight Service Station.

### **5.1.1.1 Current Site Drainage**

There are about 15 miles of pipe in the airport storm drainage system. All stormwater discharges into the LDW. There are two pumping stations, which lift the water and pump it out at two outfalls. The north pump station discharges to Slip 4 via KCIA SD#3/PS44 EOF. The southern pump station drains the central portion of the airport through a 48-inch pipe that runs under Boeing property and discharges to the LDW at River Mile 3.8.

There are two gravity lines that drain the south end of the airport. One discharges into Slip 6 and the other discharges into the storm drain portion of the Norfolk CSO/SD located at River Mile 4.9. Between one and two acres of the north airport drainage are connected to the I-5 Storm Drain (King County 2003).

Approximately 171 acres of KCIA discharge to Slip 4 via KC Airport SD#3/PS-44 EOF. This drainage includes portions of the Air National Guard facility, the KCIA maintenance shop, areas at the northern end of the airport including parts of the runways and taxiways, a KCIA fuel station, the small airplane parking areas and hangars adjacent to the East Perimeter Road, the terminal, north annex, and administration buildings (King County 2003).

The airport has an NPDES Industrial Stormwater Permit (SO3-000343D), effective September 20, 2002. A permit renewal is in process. The airport has a SWPPP, which addresses the airport maintenance facilities and the paved areas (runways and taxiways). Other businesses at the airport are covered under individual permits.

The airport maintenance shop is located at the northwest corner of the airport. A portion of this area drains into the I-5 storm drain after passing through an oil/water separator. The remainder of the site drains to the northwest pump house and is discharged to Slip 4. Each oil/water separator is inspected weekly (King County 2003).

Sampling for the maintenance shop facility is performed quarterly. The sampling location represents the maintenance facility and includes the runoff from the bulk storage and equipment storage areas (King County 2003).

Almost all of the stormwater runoff generated on the airport (excluding the Boeing-leased area) is treated in gravity oil/water separators. Two of the separators also contain two coalescing plate oil separators. In addition, in the more recent site development, the airport has installed advanced treatment systems including vortex treatment and a storm filter system utilizing compost filtration canisters. Each oil/water separator is inspected weekly (King County 2003).

### 5.1.1.2 Potential Industrial Pollutant Sources

#### Airport Maintenance Shop

The activities at the airport maintenance shop include: storage and handling of various maintenance-related materials, fuel storage and vehicle fueling, vehicle and equipment maintenance, and repair and storage of vehicles and equipment.

Most vehicle and equipment maintenance and repair work is performed inside the auto shop. However, some of the larger equipment is occasionally worked on outdoors. The two 1,000-gallon aboveground fuel storage tanks (unleaded gasoline and diesel) are uncovered. The tanks have a 7-gallon overfill containment feature for spill protection during filling. The tanks are double lined with a monitoring tube to detect if the primary tank has leaked.

All liquid wastes are stored in a covered and contained area. Any spills associated with fueling would be contained according to the airport's spill procedures.

#### Deicing Activities

Deicing and anti-icing are performed on aircraft to minimize the ice buildup on the wings and plane body during cold weather conditions. A limited amount of deicing materials is used at the airport. Several tenants perform limited aircraft deicing. The airport has constructed dedicated areas for aircraft deicing. The runoff from these areas is diverted to the sanitary sewer system and is conveyed to the local municipal treatment facilities. All tenants are required to deice aircraft in the specified locations to prevent deicing fluids from entering the airport's storm drain system.

The airport's principal runway and Alpha Taxiway are occasionally deiced with potassium acetate during snow and ice events. A maximum of 81 acres may be deiced.

#### Airport Tenants

KCIA tenant facilities also adjoin the NBF/GTSP site, including the Washington Air National Guard facility located to the west and the King County truck maintenance facility located to the northwest of the site. The activities of airport tenants include fuel storage and maintenance of aircraft, vehicles, and equipment, and repair and storage of vehicles and equipment. Most vehicle and equipment maintenance and repair work is performed inside hangars; however, some is performed outside.

Beginning in June 2004, 28 airport tenants (not including Boeing facilities) were screened as potential sources of contamination by SPU (Ecology 2006). SPU found the operations at eight facilities were not potential sources of contaminants. The remaining 20 were inspected for compliance with stormwater, industrial waste, and hazardous waste handling requirements. As of December 2005, all but three of the facilities were in compliance. SPU is continuing to work to bring these facilities into compliance (SPU & King County 2004, 2005a, 2005b).

Four airport tenants in the Slip 4 drainage operate under an NPDES industrial stormwater permit: Galvin Flying Service (permit number SO3-000607D), Aviation Fuel Storage/Shultz Distributing

(permit number SO3-000345), North Boeing Field (see Section 4.0), and the King County Airport Maintenance Shop (permit number SO3-000343). Galvin Flying Service was inspected in 2004 and is currently in compliance.

Aviation Fuel Storage/Shultz Distributing, a bulk aviation fuel storage and distribution facility, was inspected by the King County & Seattle Public Utilities joint inspection team on October 15, 2004, and March 15, 2005 (KC&SPU 2004, KC&SPU 2005a). Several corrective measures were identified. A KCIA tenant inspection on December 31, 2005, found that the facility was not in compliance with applicable stormwater, industrial waste, and/or hazardous waste handling requirements. Ecology's Tanks unit has recently inspected the facility, and additional corrective measures are being required.

### **5.1.2 History**

The airport is the site of the homes of the original settlers who arrived in King County. In the early 1900s, the winding course of the Duwamish River, which ran through much of the airport property, was straightened and filled.

Construction of the airport began in 1928. The airport served as the community's aviation center until December 6, 1941, when the U.S. Army took over the airport for strategic and production reasons. The airport remained under military jurisdiction through the end of World War II.

In the late 1940s, the airport was reopened for passenger and other commercial traffic. Usage evolved to general aviation, serving industrial, business, and recreational purposes with the opening of Sea-Tac International Airport in 1947 (Global Security 2006).

In 1961, Boeing was allowed to use an area at the north end of KCIA for fire drill training (located east of the steam plant property). This area is referred to as the North Boeing Field Fire Training Center and is discussed further in Section 5.1.3. It was used for fire training activities from 1961 to 1991. In 1963, King County purchased the northwestern portion of the GTSP property, which included the NBF Fire Training Center, a large concrete oil storage tank, a warehouse, and a machinery shop (Bridgewater Group 2000).

On February 27, 1987, a fuel spill occurred during a routine Avgas truck refill at Galvin Flying Service, located at the northeast corner of Boeing Field (Galvin Flying Service 1987, Ecology 1987a). An employee pulled away from the filling station without disconnecting the storage refilling hose; this broke a weld in the truck at the refill adapter, resulting in an uncontrollable leak. Approximately 450 to 500 gallons of Avgas were spilled, most of which was contained or was evaporated. Crowley Environmental Services emptied the containment basin and vacuumed the area. An unknown quantity of fuel flowed to a nearby storm drain (Ecology 1987a).

In July 1988, Boeing requested permission from Ecology to transfer groundwater from dewatering of the Apron A6 area (northeast portion of NBF) to King County-owned pasture land on the KCIA site (Boeing 1988c). Approximately 9,000 gallons were to be discharged on the first day, and 400 to 500 gallons per day for five weeks thereafter. Samples of the discharge water were collected on July 11 (low concentrations of chromium, copper, and zinc, plus acetone at 13 µg/L and methylene chloride at 9 µg/L) and July 21 (low concentrations of cadmium,

chromium, copper, nickel, and zinc, plus oil and grease at 35.3 mg/L). A handwritten note indicates that Ecology had approved the discharge and a letter would be sent (Boeing 1988c).

Two inspections were performed at KCIA in 1988 and 1989 to verify that the facility was in compliance with PCB regulations that had been adopted by the USEPA with respect to TSCA. No violations were found during the inspections (USEPA 1989).

During 1995 to 1996, King County expanded its airport operations onto the GTSP site, including placement of soil piles on GTSP property (Bridgewater Group 2000); the piles were later graded by SCL.

A 1998 incident report indicates that 300 to 600 gallons of jet fuel were spilled at the Galvin Flying Services facility at the north end of NBF. Spilled material was trapped in the storm drain system and was recovered (Ecology 1998b).

### **5.1.3 Environmental Investigations and Cleanups**

#### **5.1.3.1 Soil Stockpiling (Hangar Holdings)**

In 1990, soil samples were collected from four stockpiles of soil and construction debris, located on King County Airport property northeast of North Boeing Field. Two composite samples were analyzed for TPH. TPH was not detected in the samples. The stockpiled soil was used to fill in low spots in the area. Leftover construction debris was removed (GTI 1990f).

#### **5.1.3.2 Airport Maintenance Shop**

##### UST Removal (1992)

Two 1,000-gallon UST were removed from the Maintenance Shop parking lot/driveway adjacent to Ellis Avenue S in October 1992. TPH-gasoline concentrations ranging from 500 to 10,000 mg/kg were present in soils excavated from the UST pit. Groundwater samples collected from the excavation contained TPH-gasoline up to 100,000 µg/L and BTEX concentrations exceeding cleanup levels. No remedial actions were taken (PES Environmental 2004).

#### **5.1.3.3 NBF-Fire Training Center (NBF-FTC)**

The NBF Fire Training Facility was used by Boeing fire personnel, as well as others, in training for aviation-related fires since the early 1960s (Boeing 1992k). The site is located on KCIA property at the north end of the airport runway. Boeing had negotiated an easement with KCIA in April 1976 (King County 1976) for use of this property for fire training purposes. Although the easement expired in 1986, Boeing continued to use this facility for training exercises until late 1991 (Boeing 1992k). The area was demolished and excavated in May and June 1993 (Landau 1994)

In April 1976, Boeing received permission from the FAA to upgrade the existing fire training center (FAA 1976). A 1976 Technical Specifications Guide for improvements to the NBF-FTC indicate that the upgraded facility was a diked reinforced concrete pit lined with gravel. The guide also calls for the removal of the existing Fire Drill Area, which included a drain sump,

ground level tanks, two oil separators, fire drill apparatus and abandoned piping. The Fire Drill Area was to be excavated and backfilled (Boeing 1976). Additional improvements to the NBF-FTC included installation of an oil separator and storm drainage line (KCIA 1976). Files reviewed by SAIC did not specify when these construction activities took place.

The former training facility covered a 100-foot by 140-foot area and was divided in to two cells by an earthen dike. Earthen walls between 2 to 3 feet above grade surrounded the training area (Figure 5-1). A 500-gallon UST used to store training fuels was adjacent to the training area. Two catch basins southwest of the training facility were used as part of the drainage collection system (Landau 1992b).

Tables 5-1 and 5-2 summarize soil and groundwater data for analytes detected in the former NBF-FTC area investigations described below that exceed MTCA cleanup levels and/or soil-to-sediment or groundwater-to-sediment screening levels. Results for all detected chemicals are presented in Appendix H.

#### *Subsurface Investigation (1983)*

In 1983, two soil borings (B-1 and B-2) were advanced near catchment basins at the head of the drainage ditch. Groundwater was encountered in these borings at 6.5 feet bgs. A less than 0.01 foot thick layer of free petroleum product was floating on the groundwater. The field geologist noted the presence of a “strong” petroleum odor in the soil borings. Four additional soil borings (B-3 through B-6) were advanced on the southwestern and southeastern sides of the former NBF-FTC (Figure 5-1). Petroleum odors were present in only boring B-5. The odor was strongest at the ground surface and decreased in strength with depth. At 6 feet bgs, the odor was not present (Shannon & Wilson 1983). No soil samples were collected for laboratory analysis. Ecology allowed Boeing to continue use of the facility for fire training exercises after reviewing the report (Boeing 1992k).

#### *Groundwater Monitoring Well Installation (1987)*

Four groundwater monitoring wells (NBF-MW-1 through NBF-MW-4) were installed around the former NBF-FTC in 1987 (Figure 5-1). Composite soil samples from each boring were analyzed for VOCs. Low concentrations (less than 1 mg/kg) of nine VOCs were detected in the soil samples: 2-butanone (MEK), 4-methyl-2-pentanone, acetone, chloroform, methylene chloride, PCE, TCE, toluene, and total xylenes; the presence of methylene chloride and acetone were considered suspect to due the presence of these chemicals in the associated laboratory blank. The composite soil sample from well NBF-MW-1 was also analyzed for SVOCs, PCBs, pesticides, and metals. Di-n-butylphthalate and BEHP were detected at concentrations 1 and 0.61 mg/kg, respectively. Antimony, arsenic, cadmium, chromium, copper, lead, mercury, selenium, nickel, and zinc were present in the soil boring. PCBs and pesticides were not detected. In groundwater, arsenic was detected at 5 µg/L upgradient of the former NBF-FTC and 12 µg/L downgradient of the NBF-FTC (CH2M Hill 1987).

### Soil and Groundwater Investigation (1992-1993)

In July 1992, 13 soil borings were installed in and around the NBF-FTC and near the catch basins and six surface soil samples were collected within the earthen walls surrounding the training facility. TPH (primarily as diesel) above screening levels was present across the entire training facility site. Skydrol, an aircraft hydraulic fluid, was also present above screening levels. Landau estimated that approximately 4,000 cubic yards of soil was impacted by TPH. The areas impacted by Skydrol were within the TPH-impacted area. Groundwater samples were collected from the existing site wells and analyzed for TPH, PCBs, VOCs, and metals. Arsenic was the only chemical present above MTCA Method A cleanup level (Landau 1992a, 1992b).

Jet fuel (quantified as JP-5, or kerosene)<sup>14</sup> was present in soil around the catch basins at concentrations ranging from 1,000 to 25,000 mg/kg. Skydrol concentrations in these samples ranged from 2.2 to 150 mg/kg. Low concentrations of PCBs, methylene chloride, MEK, toluene, SVOCs, and metals were also reported in the soil samples collected from the catch basin area (Landau 1992a, 1992b).

Results of soil and groundwater sampling in 1992 indicated that petroleum hydrocarbon levels in some soil samples exceeded MTCA Method A cleanup levels. Impacts were limited to the boundaries of the fire training pit and an area near the catchment basins designed to contain runoff from training activities. Ecology indicated they would make a preliminary evaluation as to whether further action is required at this time under MTCA (Ecology 1992e).

Additional investigation of the catch basin area was completed in March 1993. Four hand auger borings, B15 through B18, and six surface soil samples, SS-8 through SS-13, were collected around the catch basins. Samples from the soil borings were analyzed for TPH; the surface soil samples were analyzed for PCBs. TPH as jet fuel was detected above MTCA Method A cleanup levels in borings B16 and B18. PCBs were not detected (Landau 1993d).

### UST Removal (1993)

A UST located near the NBF-FTC was removed in June 1993 (Figure 5-2; Landau 1993c). A shallow, geotextile fabric-lined ditch was located about 60 feet to the south of the UST. The tank was a 3,000-gallon fiberglass double-walled tank, installed in approximately 1986 (Landau 1993c). It contained jet fuel, which was dispensed from a pumping station located above the tank on a concrete slab. The jet fuel was used during training exercises at the nearby former fire training center (Landau 1993c).

No visual signs of petroleum contamination were observed during removal of the tank or excavation of surrounding soil on June 4, 1993. Sidewall and stockpile soil samples were collected and analyzed for TPH-diesel; all results were below the detection limit of 25 mg/kg.

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<sup>14</sup> Laboratory samples analyzed for TPH were quantified against a JP-5 standard (JP05 is Air Force carrier-grade kerosene). Jet A, as straight-cut kerosene, is the most common grade of commercial fuel which falls into this fuel range, and is known to be used extensively at KCIA. It is likely that TPH, reported as JP-5, represents Jet A fuel (Landau 1992a).

Remedial Excavation (1993)

In May 1993, wells MW-1 through MW-4 were abandoned prior to remedial excavation activities. Cleanup goals for the remedial excavation were to remove soil with TPH concentrations greater the 200 mg/kg or Skydrol concentrations greater than 60 mg/kg. In August 1993, approximately 2,600 cubic yards of contaminated soil were removed from the NBF-FTC area and approximately 450 cubic yards of contaminated soil were removed from the catch basin area. The catch basins were removed during the excavation (Landau 1993e).

Well Installation and Sampling (1993)

Three groundwater monitoring wells, MW-5 through MW-7, were installed around the former catchment basin excavation in August 1993. Soil samples were not collected during the well installation activities. Two rounds of groundwater sampling were performed, in August 1993 and February 1994. Groundwater samples were analyzed for TPH-diesel and BTEX. Except for a single TPH-diesel detection in well MW-7, no analytes were reported in the wells. The TPH-diesel concentration reported in well MW-7 was 600 µg/L. The wells were abandoned on March 21, 1994 (Landau 1994).

Summary of Chemicals Detected in Soil and Groundwater at NBF-FTC			
Chemical Class	Chemical	Soil	GW
Metals	Arsenic	◆	◆
	Chromium	◆	
	Copper	■	
PAHs	Acenaphthene	■	
	Benzo(a)pyrene	◆	
	Fluorene	■	
	Naphthalene	◆■	
	cPAHs, total	◆	
PCBs	PCB, total	◆■	
Phthalates	BEHP	■	■
	Butylbenzyl phthalate	■	
Other SVOCs	2-Methylnaphthalene	■	
	4-Methylphenol	■	
	Dibenzofuran	■	
Petroleum Hydrocarbons	TPH-diesel	◆	◆
	Jet Fuel	◆	
VOCs	Methylene Chloride	◆	◆
	Xylenes, total	◆	

- ◆ Exceeds MTCA Soil or Groundwater Cleanup Level
- Exceeds draft Soil-to-Sediment or Groundwater-to-Sediment screening level (SAIC 2006)



#### 5.1.4 Regulatory Activity

A State Environmental Policy Act (SEPA) determination of nonsignificance was issued by King County Department of Development and Environment Services (KCDDDES) on May 4, 1993, for excavation and onsite thermal treatment of approximately 4,000 cubic yards of contaminated soils located at the closed fire training facility (King County 1993). Associated catchment basins, piping, soil, and a fuel storage tank were also scheduled to be removed.

Ecology had several objections to the determination of nonsignificance (Ecology 1993), including the following:

- Characterization of the southeast catch basin was not addressed in Boeing's proposal. There is a potential that the catch basin has been impacted by activities at the fire pit, and remediation of sediments should be dealt with.
- Final cleanup verification should be conducted for contaminants other than TPH, including VOCs.
- The cleanup plan does not reference the status of the stormwater drainage line, which runs east parallel to the access road and west of the proposed excavation area for the fire pit. This drainage line was contaminated with PCBs originating from the Georgetown Steam Plant facility 200 feet to the northwest of the proposed excavation. The condition of the soil surrounding the line in the vicinity of the excavation needs to be evaluated.

#### 5.1.5 Storm Drain System

KCIA has been cleaning out accumulated solids from each catch basin on the airport annually. Each oil/water separator is cleaned annually, or more frequently if there are any accumulations noted during weekly inspections.

KCIA video-inspected the majority of the airport's stormwater drainage system in 2001. The intent was to inventory the conditions of the system and to identify illicit sanitary connections to the stormwater drainage system. One sink discharge was identified and was subsequently diverted to the sanitary sewer system (King County 2006a).

Two contaminated site cleanups have been conducted within the area of the airport that drains to Slip 4: American Avionics (located at 7023 Perimeter Road S) and King County Airport Maintenance (located at 6518 Ellis Avenue S). Additional information is provided in the Property Summaries prepared by SAIC for these two facilities. All of the tenants at the King County International Airport with operations that pose a threat of a release to Slip 4 have been inspected.

Eight stormwater vaults (oil/water separators) which drain to Slip 4, located in the northern and central portions of KCIA, were sampled on June 6 to 8, 2006. These vaults are configured to allow stormwater to flow through them under low-flow conditions, but allow high-flow bypass to occur via upgradient manhole overflow weirs. Samples were analyzed for PCBs, metals, SVOCs, TPH, TOC, and total solids (KCDNRP 2006).

PCB concentrations ranged from < 0.04 to 2.1 mg/kg. Only Vault 1680 exceeded 1 mg/kg; this structure drains to the NBF South-Central Lateral. BEHP concentrations ranged from 29.4 to 232 mg/kg; concentrations were generally higher toward the central portion of KCIA (Vaults 1680 to 1757) and lower at the northern portion of KCIA. Other detected chemicals included high molecular weight polycyclic aromatic hydrocarbons (HPAHs) which ranged from 37.4 to 629 mg/kg; copper at 240 to 1,550 mg/kg; lead from 190 to 744 mg/kg; zinc from 574 to 1,880 mg/kg; diesel-range TPH from non-detect to 16,000 mg/kg; motor oil-range TPH from 3,500 to 81,000 mg/kg; and coprostanol (a sterol used as a biomarker to indicate the presence of fecal contamination) from 25.7 to 34 mg/kg in two vaults at the north end of KCIA (KCDNRP 2006).

Sampling results were compared to SQS and CSL for marine sediment to evaluate potential impacts to Slip 4 sediments. SQS values were exceeded in all eight vaults for at least three chemicals. The concentration of PCBs in Vault 1680 exceeded the SQS value. In addition, SQS exceedances were present for copper, lead, zinc, phenanthrene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, chrysene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, pyrene, total HPAH, BEHP, and BBP. PAHs were highest in Vaults 1756 and 1757 in the central area of KCIA (total HPAH of 10.5 and 7.6 mg/kg OC, respectively); the highest BEHP concentrations were also detected in these two vaults (1.1 to 2.8 mg/kg OC) (KCDNRP 2006).

KCIA is continuing to track potential sources of metals, phthalates, and PAHs.

In addition, coprostanol, which is associated with sewage, was detected in vaults 1541 and 1640, located on the north side of KCIA. These may be associated with the King County Maintenance Facility where trucks used to haul biosolids are washed and parked (Cargill 2006a, Tiffany 2006b). The biosolids truck washing operation is tributary to Vault 1541; since coprostanol was also detected at Vault 1640, there may be a sanitary sewer connection to the vault in these sub-basins (Tiffany 2006b).

KCIA reportedly has cleaned out all catch basins in the Slip 4 drainage basin and four of the nine oil/water separators (Renaud 2007). The remaining five oil/water separators will be cleaned out by May 2007.

### **5.1.6 Testing of Joint Sealant Material**

KCIA collected a caulk sample from the Alpha-2 intersection. This is the only exposed caulk at the KCIA site that is within the Slip 4 drainage basin. All caulk in this area was identical in appearance and was therefore assumed to be from the same application with the same materials. PCBs were not detected in this sample with a detection limit of 0.78 mg/kg (Renaud 2006b). Joint sealant material at KCIA does not appear to pose a threat of Slip 4 sediment recontamination.

## **5.2 Sampling of Catch Basins in Adjacent Streets**

SPU has collected catch basin solids samples in the Georgetown area adjacent to NBF at the following locations (Schmoyer 2008):

- Carleton Avenue S at S Warsaw Street
- Flora Avenue S at S Eddy Street
- Corson Avenue S at S Eddy Street
- Carleton Avenue S at S Willow Street
- Flora Avenue S at S Myrtle Street

PCB concentrations in these samples ranged from < 0.11 to 0.38 mg/kg DW.

In addition, SPU collected catch basin solids and street dirt samples along S Myrtle Street between Ellis Avenue S and the GTSP Flume, at the following locations:

- North of S Myrtle Street at drainage swale
- North of S Myrtle Street, west of drainage swale
- North of S Myrtle Street, between city yard and fire station
- South of S Myrtle Street across from drainage swale

PCB concentrations in these samples ranged from 0.033 to 0.571 mg/kg DW (Schmoyer 2008).

### **5.3 Summary of Potential Offsite Contaminant Sources**

No significant issues have been identified with regard to potential sediment recontamination associated with historic operations at KCIA. Recently, KCIA collected a representative sample of the joint caulk sealant material used at the airport. All exposed caulk in this area was identical in appearance and was therefore assumed to be from the same application with the same materials. PCBs were not detected in this sample, with a detection limit of 0.78 mg/kg (Renaud 2006b).

Based on the presence of contaminants above CSL and SQS values in the KCIA stormwater vaults, it is possible that activities at KCIA may represent an ongoing source of contaminants to the storm drain system. These do not appear to pose an immediate threat of sediment recontamination for Slip 4, however.

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## **6.0 Summary of Contaminant Sources and Data Gaps**

Sections 1 through 5 of this document have summarized the existing information about the NBF-GTSP Site, including historical and ongoing activities, investigations, and cleanups. This summary is based on a review of 635 documents, including reports, plans, letters, emails, and other information, obtained from Ecology's Central Records, Washington State Archives, and additional information provided Boeing, the City of Seattle, and King County (Appendix A). In addition, Boeing provided design drawings of the storm drain system at NBF and a database containing much of the soil and groundwater sampling data for NBF. This report includes documents published through February 25, 2009.

While an extensive amount of information about this site is available, numerous data gaps exist regarding the nature and extent of contamination at the site, and the potential for that contamination to be transported to Slip 4. Additional information needed to assess the potential for recontamination of Slip 4 sediments is summarized below. Data gaps identified in the 2007 Data Gaps Report (SAIC 2007) have been updated to reflect information provided in 250 documents that were unavailable at the time the 2007 report was prepared, and the 134 documents dated after publication of the 2007 report.

The data gaps identified in this section are based on information that was available during preparation of this report, and may not be comprehensive or complete. The information in this report may be revised or updated during the NBF-GTSP RI/FS, as new information becomes available.

In general, a site database that contains all of the historical chemical and physical data collected at the NBF-GTSP site is needed. This will facilitate a more thorough analysis of existing data and will provide the basis for identifying additional data collection needs. For potential source areas where contaminants are present in soil, groundwater, or storm drain solids at concentrations above regulatory or screening levels, chemical concentration maps are needed in order to evaluate whether these areas have been adequately characterized.

Areas which should be evaluated further include those listed below.

### **6.1 Data Gaps at GTSP**

Extensive soil and groundwater sampling for PCBs has been conducted at the GTSP; some sampling has been conducted for other contaminants. Several chemicals have been detected in soil at concentrations above MTCA cleanup levels, including arsenic, chromium, benzo(a)pyrene, PCBs, and TPH. In addition, PCBs and TCE have been detected above MTCA cleanup levels in groundwater.

Additional analysis of the sampling and analysis data is needed to evaluate the lateral and vertical extent of PCB contamination at the GTSP site. If the extent of contamination has not been adequately defined, then additional sampling may be necessary to do so.

Based on the presence of high levels of PCBs, coal burning, ash disposal, close proximity to fire pits, and public use of the grassy area near the GTSP, information on dioxin/furan concentrations in this portion of the NBF-GTSP Site is needed.

## **6.2 Data Gaps at North Boeing Field**

The source(s) of PCBs in the storm drain system at NBF, other than concrete joint material, have not been identified. PCBs have been detected at many NBF locations at concentrations above MTCA cleanup levels; in addition, other contaminants are present in soil and groundwater at NBF at concentrations that warrant additional investigation. These are listed in Tables 4-1 through 4-32.

### **6.2.1 Soil and Groundwater**

There has been no comprehensive analysis of groundwater flow at the NBF-GTSP Site. While numerous small-scale groundwater investigations have been conducted, no studies have attempted to define how groundwater interacts with Slip 4 or the LDW. A comprehensive groundwater assessment is needed, including compilation of existing information on groundwater depth, flow, and other well information (survey elevations, screened interval, total depth), at least two round of depth-to-groundwater measurements for available wells at NBF-GTSP and selected wells at Boeing Plant 2, measurements at low tide and high tide, and a survey of top-of-casing elevations for any new wells and wells that have not been previously surveyed. This information would allow the development of contour maps of groundwater flow patterns at high and low tides that could be used to assess the potential for contaminant transport via groundwater to Slip 4.

Data gaps for specific areas at NBF are listed below.

#### **6.2.1.1 PEL Area (Northern Portion of NBF)**

- During the 2007 storm drain line replacement (Landau 2007), a thick, black tar-like material and bricks, concrete debris, and asphalt pieces were observed on the north side of Building 3-323. No information was available regarding the source or extent of this material.
- Additional investigation is needed in the area of Building 3-333 and 3-335 to determine the extent of PCB contamination.
- Additional investigation is needed to determine the vertical and lateral extent of PCBs, petroleum hydrocarbons, PAHs, other SVOCs, and VOCs, particularly TCE. Aviation fuel breakdown products should be tested for in this area.
- Sampling is needed to determine whether methylene chloride is still detected in the storm drain system near the location of former Building 3-318 and the methylene chloride UST system.
- Additional investigation is needed to determine the lateral and vertical extent of PCB contamination to the west of Building 3-333.

- Building 3-310 is currently in the location of former Building 3-304. Information is needed regarding whether soils contaminated with mercury and TPH were removed during the construction of Building 3-310, or whether they were left in place.
- Information regarding the current status of the UST system (tanks BF-4, BF-5, and BF-6) is needed.
- Some buildings in the Green Hornet area (3-311, 3-312, 3-287) are no longer present at NBF. Information is needed regarding the contaminated soil previously left in place, and whether it was removed during the demolition of these buildings.
- No information was available regarding what was in the current location of Building 3-354 prior to its construction.
- Since PCBs and other contaminants in the storm drain system represent a potential for sediment recontamination in Slip 4, additional sampling/characterization of the storm drain system in this area is needed to assess the concentrations of VOCs, SVOCs, metals, and PCBs (see also Section 6.2.2).

### 6.2.1.2 Central Area

- Maps and cross-sections need to be generated of the former Building 3-360/3-361 and current Building 3-365 area to evaluate the lateral and vertical extent of contamination in this area.
- Information is needed regarding current operations at the former Markov property (Buildings 7-027-1, 7-027-2, and 7-027-3).
- No sidewall or bottom samples were collected from the 2002 excavation at the former Markov property; it is not known whether all contaminated soil was removed. Maps and cross-sections of this area are needed to evaluate the lateral and vertical extent of contamination in this area.
- It is not known whether the 1991 UST near Building 3-369 is still in use, whether any UST testing has been performed, or whether leaks may have occurred. It is not known whether this UST was upgraded in 1998.
- Soil samples near UBF-22/UBF-23 and Building 3-374 should be collected and analyzed for PCBs in this area.
- A copy of the May 1993 remedial action report for the Flight Test and Delivery Center (Building 3-800) is needed to verify that cleanup actions are complete and to understand what actions were performed.
- Additional data for arsenic and cadmium in soil is needed at Building 3-801; samples collected in 1991 indicate concentrations above MTCA cleanup levels.<sup>15</sup>
- TPH concentrations from soil left in place during the 1992 assessment at Building 3-801 exceeded MTCA A cleanup levels by a factor as high as 1300. Additional characterization is needed.

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<sup>15</sup> Arsenic concentrations may be within regional background concentrations; appropriate cleanup levels for arsenic will be evaluated as part during the RI/FS for the NBF-GTSP Site.

- Additional information is needed regarding practices at the Main Fuel Farm, and safeguards in place to prevent recontamination of soil and groundwater.
- At Concourse B, metals exceed MTCA cleanup levels in groundwater. It is not known whether there are any plans to monitor groundwater at this location. It is possible that additional groundwater monitoring reports exist but were not available for review.
- The excavation report for Concourse C shows excavated areas, but no explanation. Clarification should be provided.
- Since PCBs and other contaminants in the storm drain system represent a potential for sediment recontamination in Slip 4, additional sampling/characterization of the storm drain system in this area is needed to assess the concentrations of VOCs, SVOCs, metals, and PCBs (see also Section 6.2.2).

### **6.2.2 Storm Drain System**

Information about the storm drain system at NBF was summarized in Section 4.4. Activities associated with the storm drain system have included sediment trap sampling, catch basin and manhole sampling, inline solids sampling, cleanout (pipe-jetting) and repair of storm drain lines, rerouting of storm drain lines, slip-lining of pipes with CIPP, construction of new storm drain lines, and video inspection of the storm drain system. Available sampling data from the Landau database provided by Boeing and documents reviewed during preparation of this report have been compiled.

- A set of GIS maps is needed to document the current status of the storm drain system, including the current system configuration (showing newly constructed lines and segments that have been plugged or removed), dates of most recent cleanout, locations of upgrades and repairs, and locations of cracks or breaks in the lines as identified during the January 2007 video inspection of the north drain line (Landau 2007c).
- Storm drain system sample data need to be mapped to evaluate the geographic distribution of contaminants (especially PCBs and mercury) in the system. This information should be combined with available data on soil and groundwater contamination and PCB concentrations in caulk to identify correlations, if any.
- Source documents were not available for some storm drain solids samples for which data was included in the Landau database provided by Boeing. For example, storm drain solids data collected in 2000 were listed in the Landau database; however, no reports containing these data were included in the documents reviewed during preparation of this Data Gaps Report. As a result, the locations of some of the storm drain samples could not be determined. State plane coordinates are needed for all storm drain, caulk, and soil sampling location so that these data can be plotted in GIS.
- The presence of PCBs in the storm drain system has been extensively monitored and discussed over the past several years. A detailed evaluation of the locations and concentrations of other contaminants in the storm drain system, including phthalates, PAHs, mercury and lead, is needed to evaluate the presence of potential contaminant sources and the likelihood that these contaminants may be transported to Slip 4 sediments.



- For most of the storm drain system samples collected at NBF, no associated TOC data are available. This makes it difficult to compare detected concentrations to regulatory benchmarks, such as the SQS and CSL values.
- Very few whole water samples have been collected at NBF. Whole water samples need to be collected concurrent with the collection of storm drain solids samples to assess contaminant discharge to Slip 4 and in order to develop interim actions, if needed.
- Several locations at NBF contained high concentrations PCBs during the most recent sampling event (Section 4.4.3). In some cases (e.g., MH-227), the most recent sampling event was over 15 years ago. Some of these structures have been abandoned or removed (e.g., OWS-186, CB-173), or the storm drain lines have been rerouted to bypass them (e.g., MH-187, MH-193). Others are apparently still in place; these should be resampled and investigated further. In addition, these locations should be mapped and potential sources investigated.
- Elevated levels of mercury were found in sediment collected from the storm drain system at NBF. Mercury is a chemical of concern in the LDW and should be included in future source tracing activities.

### **6.2.3 Caulk and Building Materials**

- Results from recent sampling of joint caulk material for particle size should be evaluated when they become available.
- Additional investigation is needed to assess whether residual joint caulk material is a source of PCBs to the KCIA SD#3/PS44 EOF storm drain.
- Additional investigation is needed to assess PCB concentrations in recently installed joint caulk material and other building materials at NBF, their mobility, and the likelihood that PCBs could be transported to the storm drain system and ultimately to Slip 4. This includes additional caulk sampling and sampling of roofing, grout, paint, and other materials.

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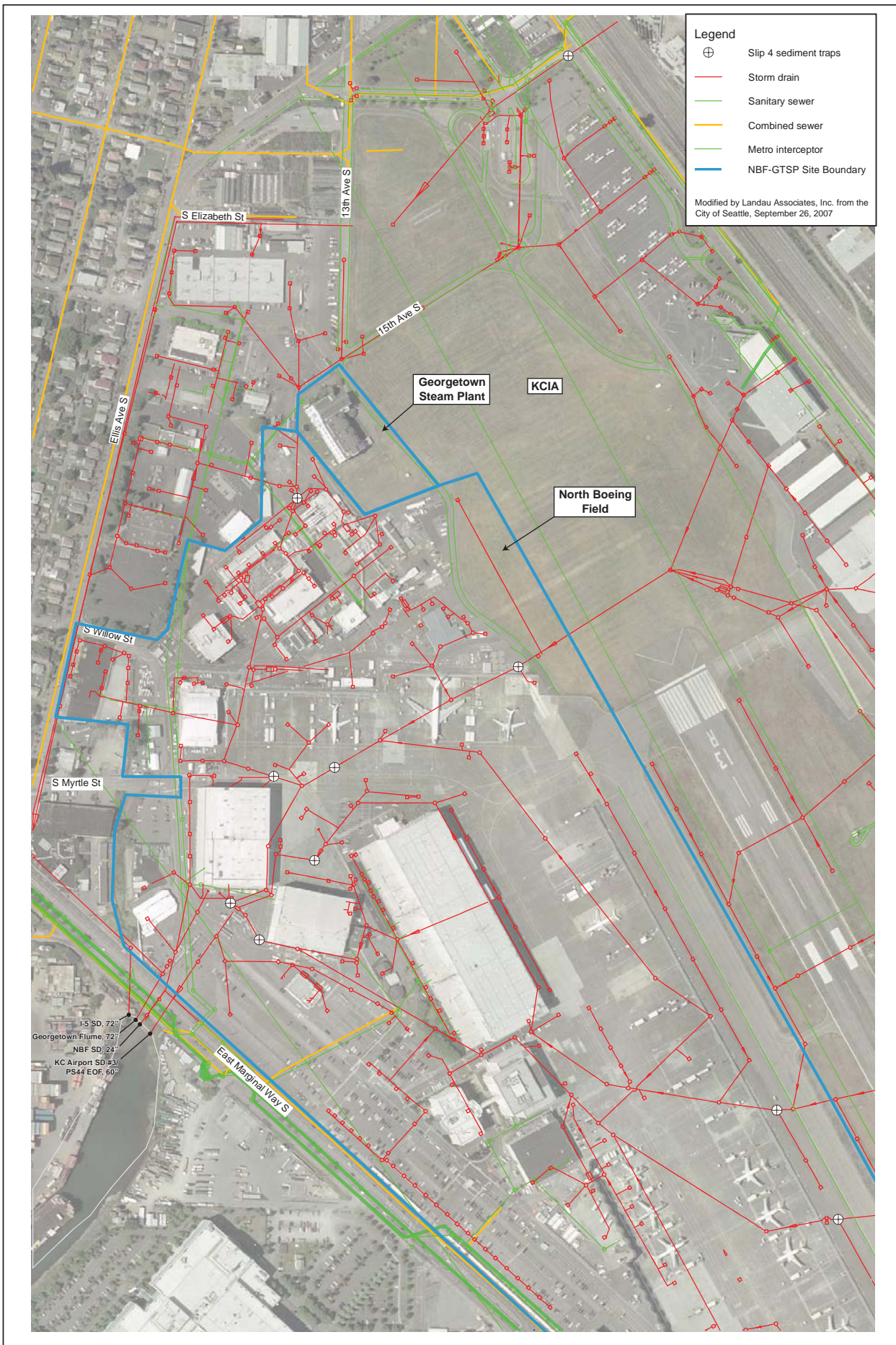
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**Figure 1-1. Site Location, North Boeing Field/  
Georgetown Steam Plant**





Modified from City of Seattle 2007



**Figure 2-1. Storm Drain Lines in the Vicinity of NBF-GTSP Site**







Figure 3-1. Georgetown Steam Plant  
Current Site Features

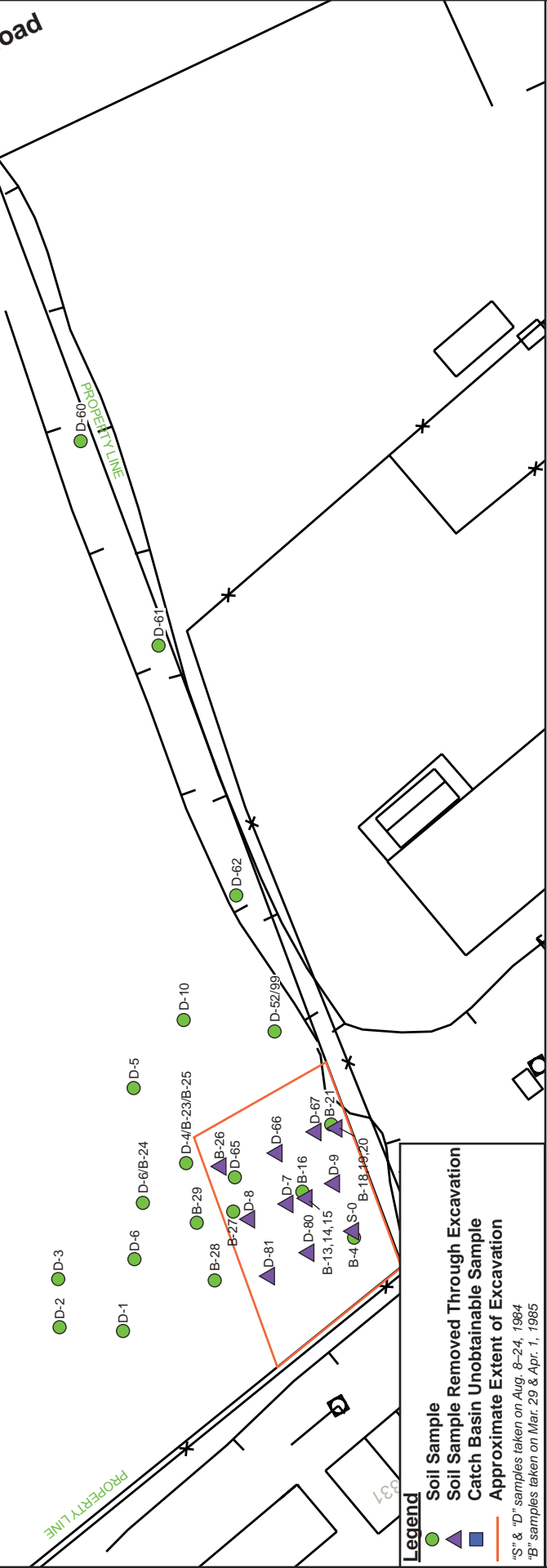
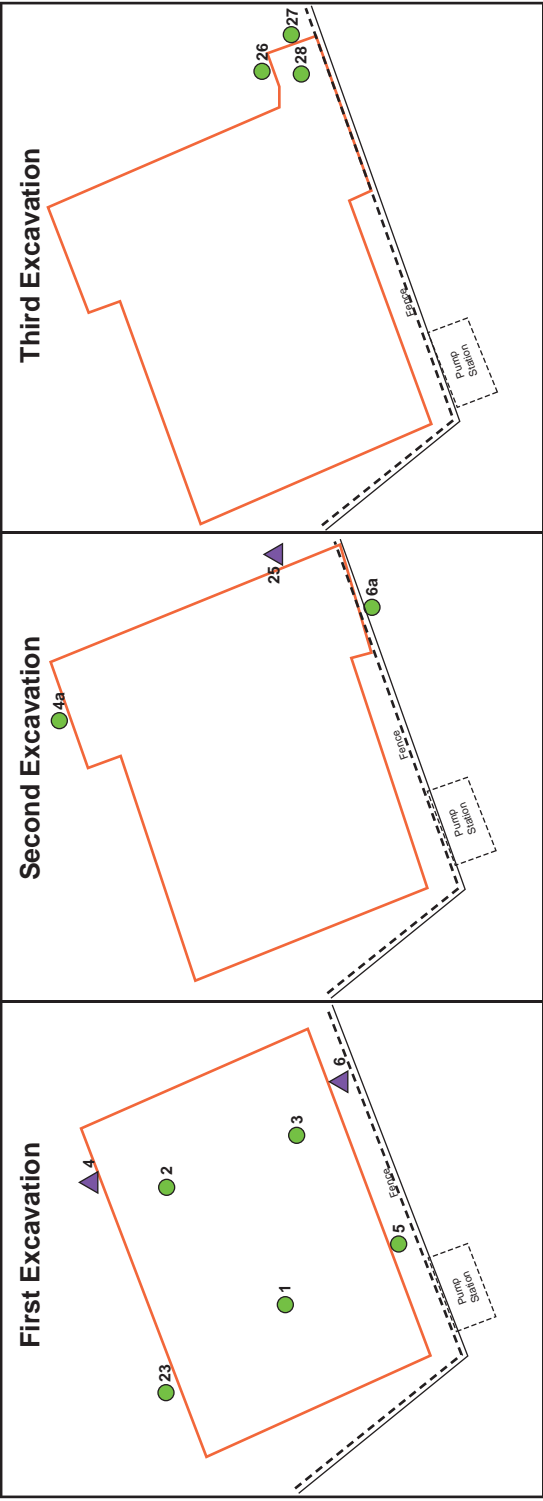






D-63  
D-64

Access Road



**Legend**

- Soil Sample
- ▲ Soil Sample Removed Through Excavation
- Catch Basin Unobtainable Sample
- Approximate Extent of Excavation

"S" & "D" samples taken on Aug. 8-24, 1984  
 "B" samples taken on Mar. 29 & Apr. 1, 1985

**Figure 3-3. GTSP  
 Drainage Ditch and Excavation Sampling Locations  
 1984 – 1985**



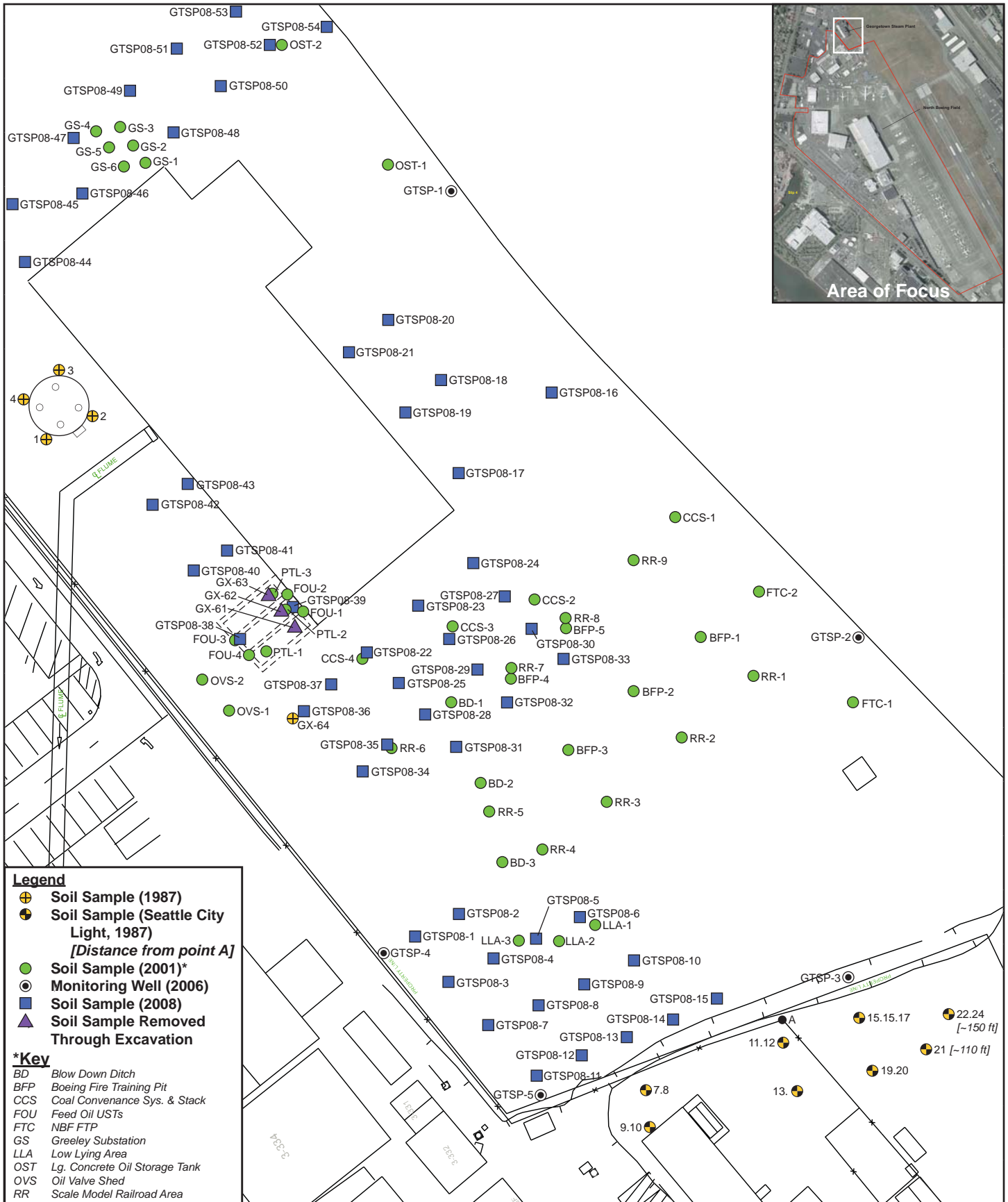
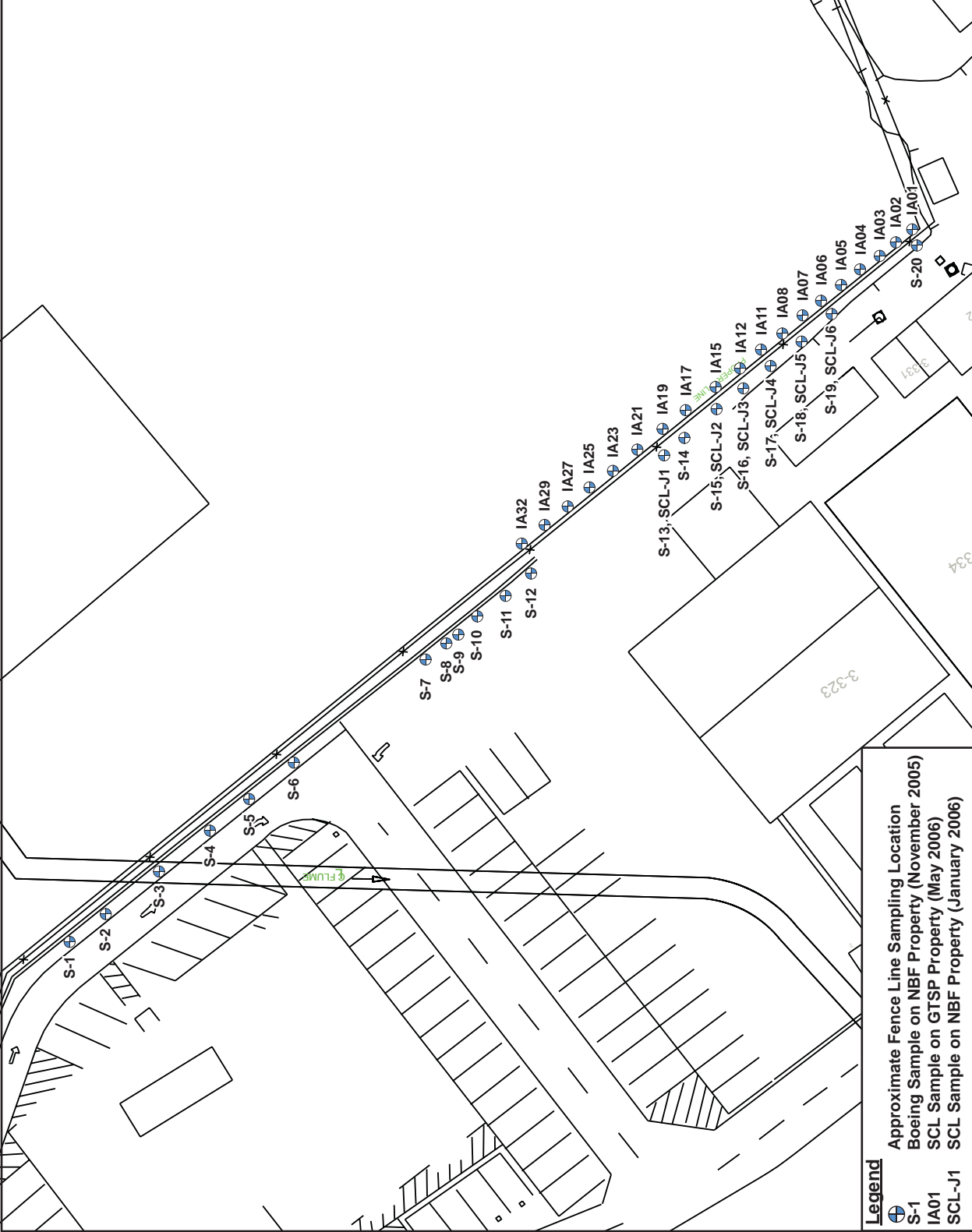


Figure 3-4. GTSP Soil Sample Locations 1987 – 2008





**Legend**

⊕	Approximate Fence Line Sampling Location
S-1	Boeing Sample on NBF Property (November 2005)
IA01	SCL Sample on GTSP Property (May 2006)
SCL-J1	SCL Sample on NBF Property (January 2006)

Source: Integral 2006c



**Figure 3-5. GTSP/NBF  
Fence Line Soil Sampling Locations**





February 2007

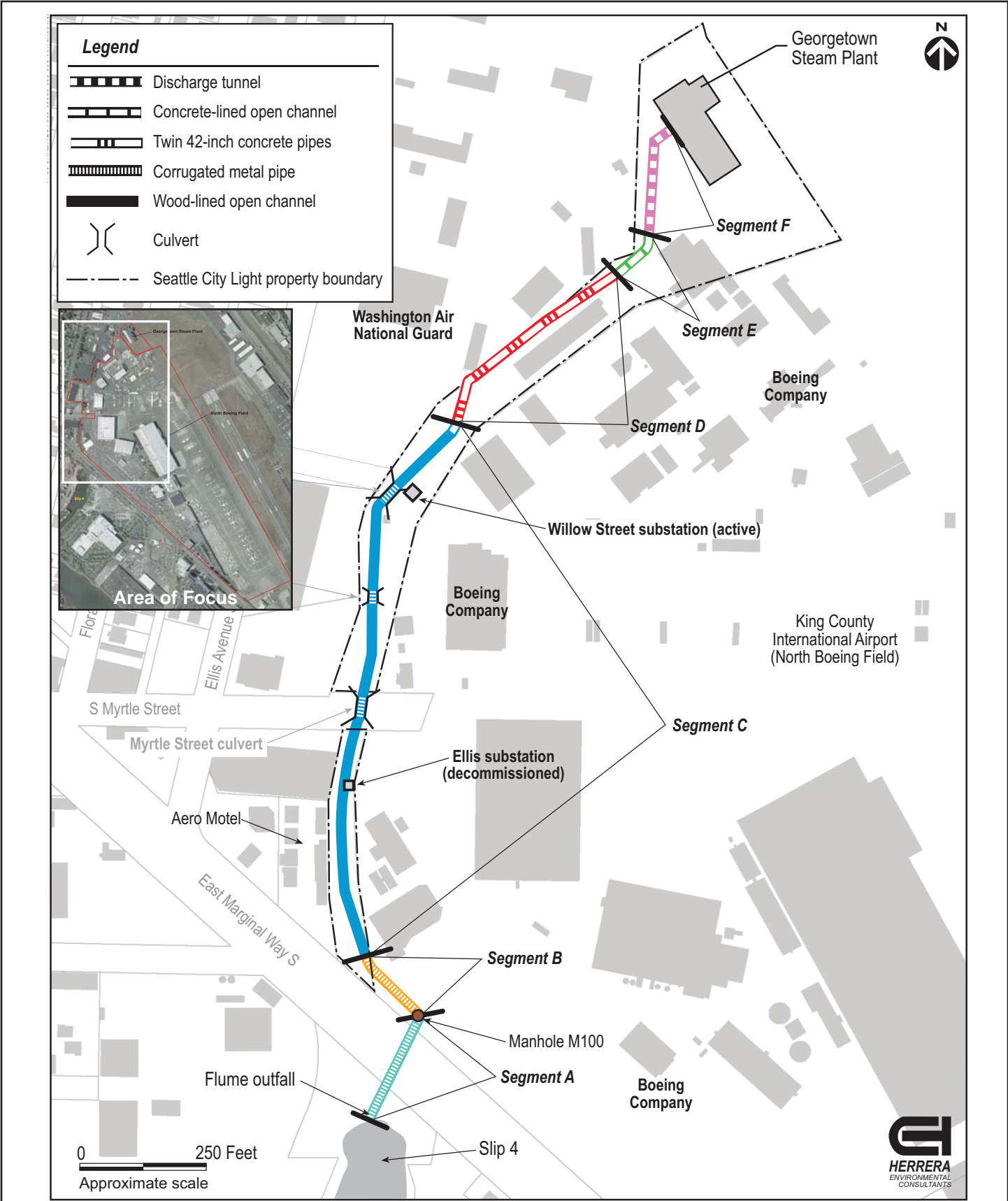


May 2007

Source: Integral 2007b, 2007c

Figure 3-6. Groundwater Flow Direction, Georgetown Steam Plant





Source: SCL 2008d

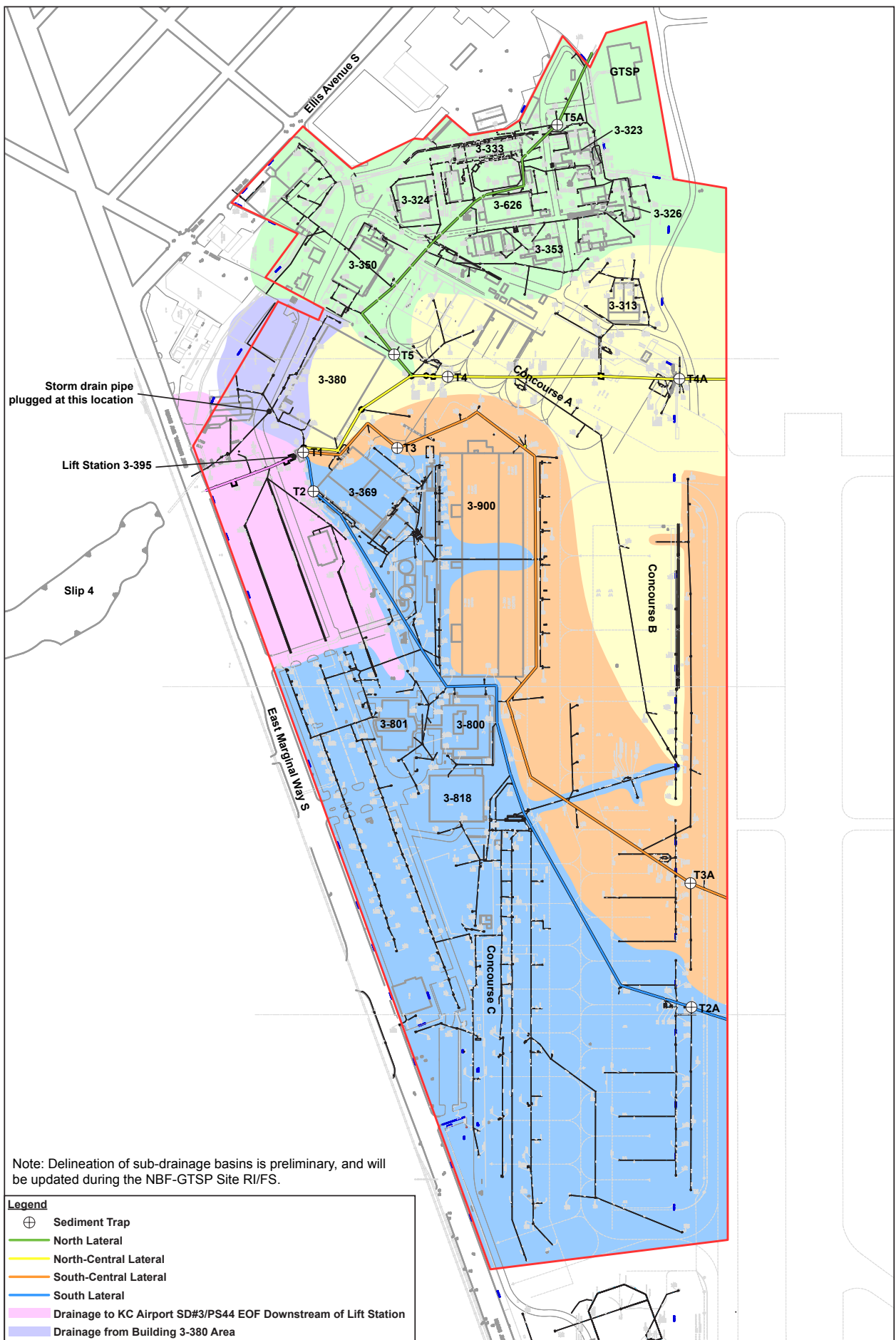


Figure 3-7. GTSP Flume









# BOEING COMMERCIAL AIRPLANE GROUP NORTH BOEING FIELD

## LEGEND

- HAZARDOUS WASTE TANKS
- PETROLEUM TANKS
- TRANSFORMERS
- CHEMICAL TANKS
- PROPANE TANKS
- INERT GAS TANK
- RECYCLED OIL TANKS
- PERMIT-BY-RULE TANKS
- OIL PRODUCT & WASTE DRUM STORAGE AREA
- FUELING STATIONS
- REMOVED
- ABF - ABOVE GROUND
- UBF - UNDERGROUND
- VBF - VENDOR



200' 0 200' 400'  
SCALE IN FEET

- ### LEGEND
- BOEING PROPERTY LINE
  - RAILROAD TRACKS
  - BUILDINGS



**Figure 4-3. Storage Locations and Tanks  
North Boeing Field**





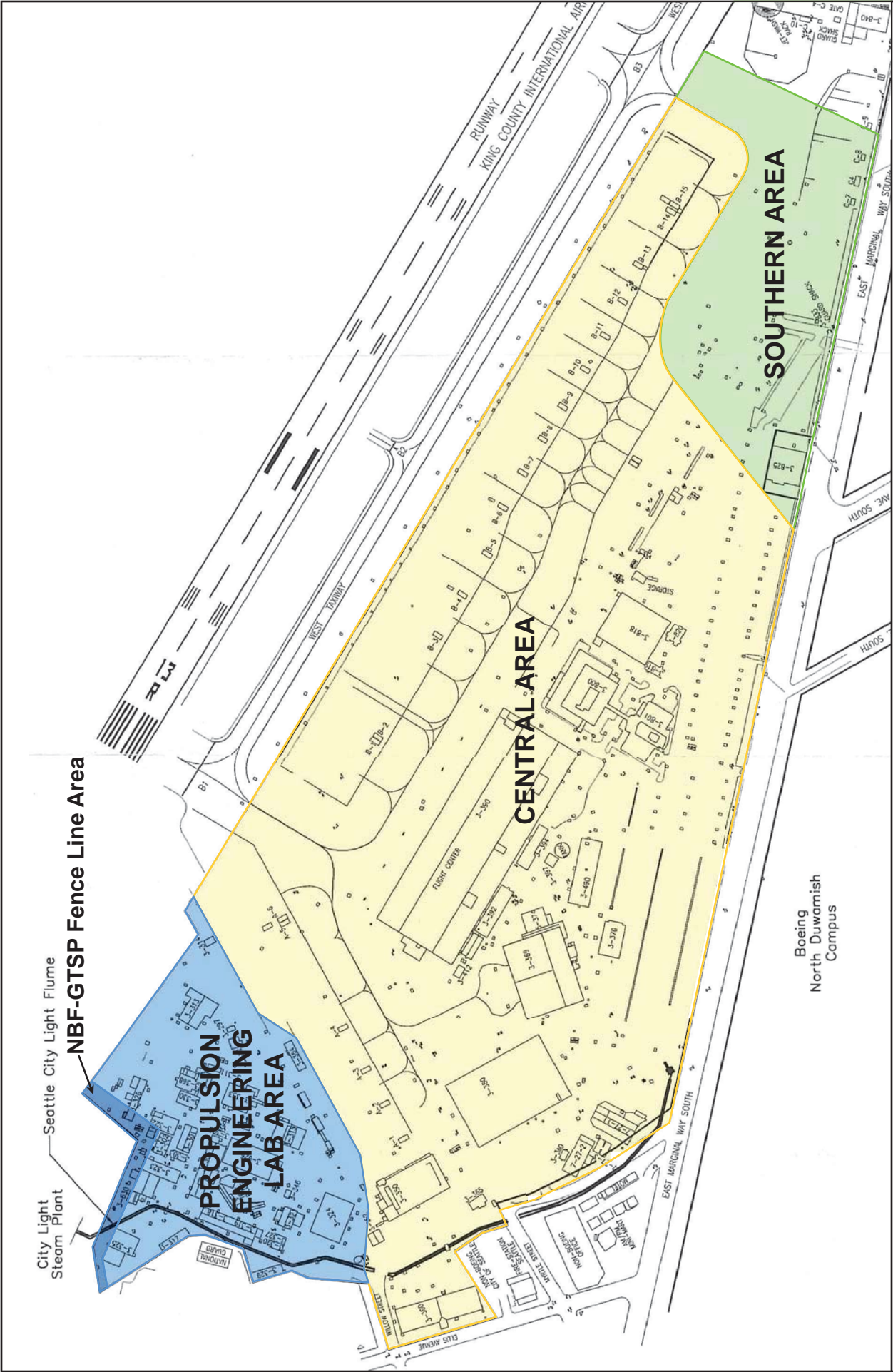


Figure 4-4. North Boeing Field Areas of Investigation



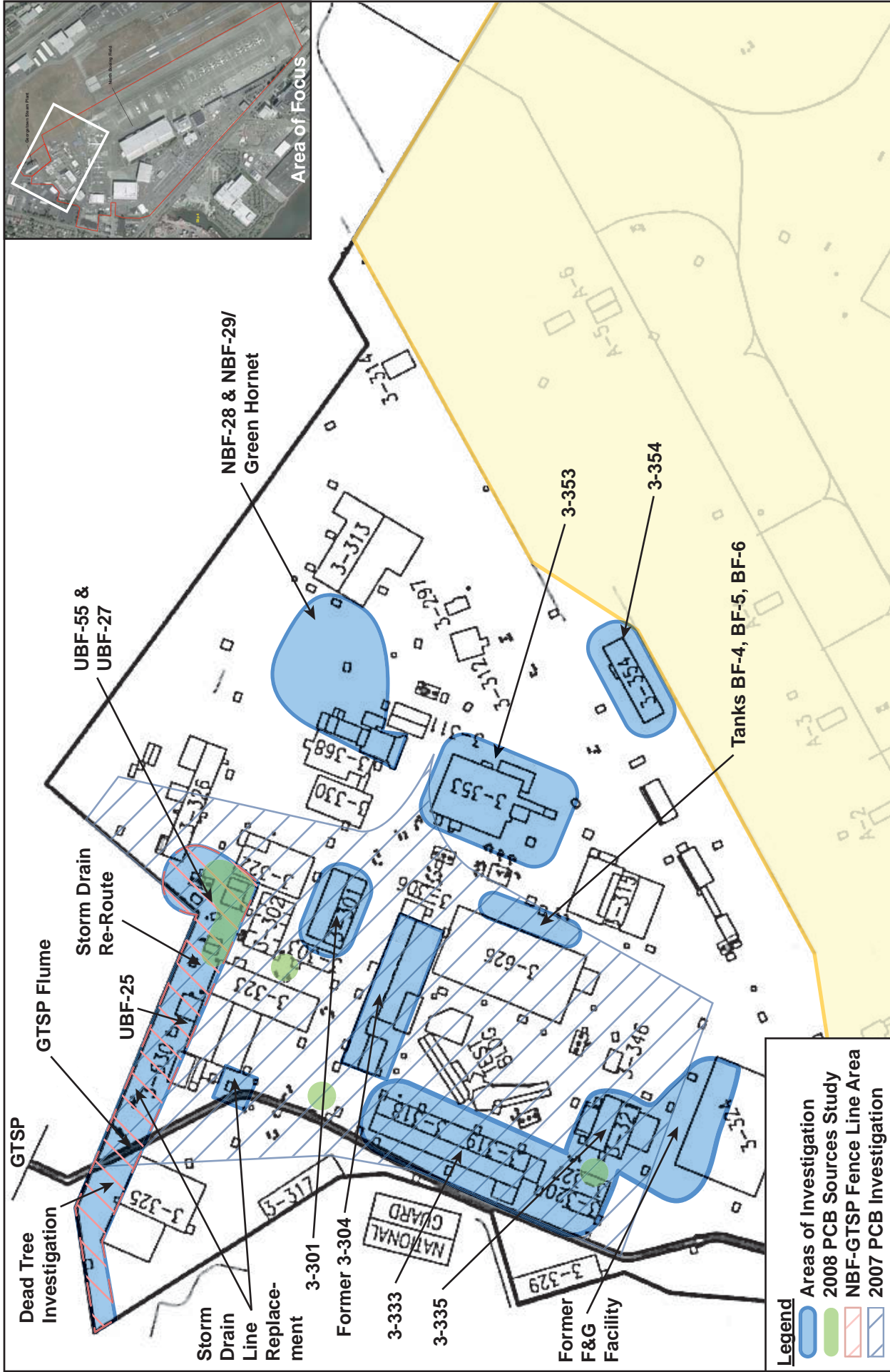
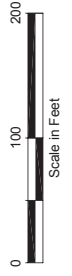
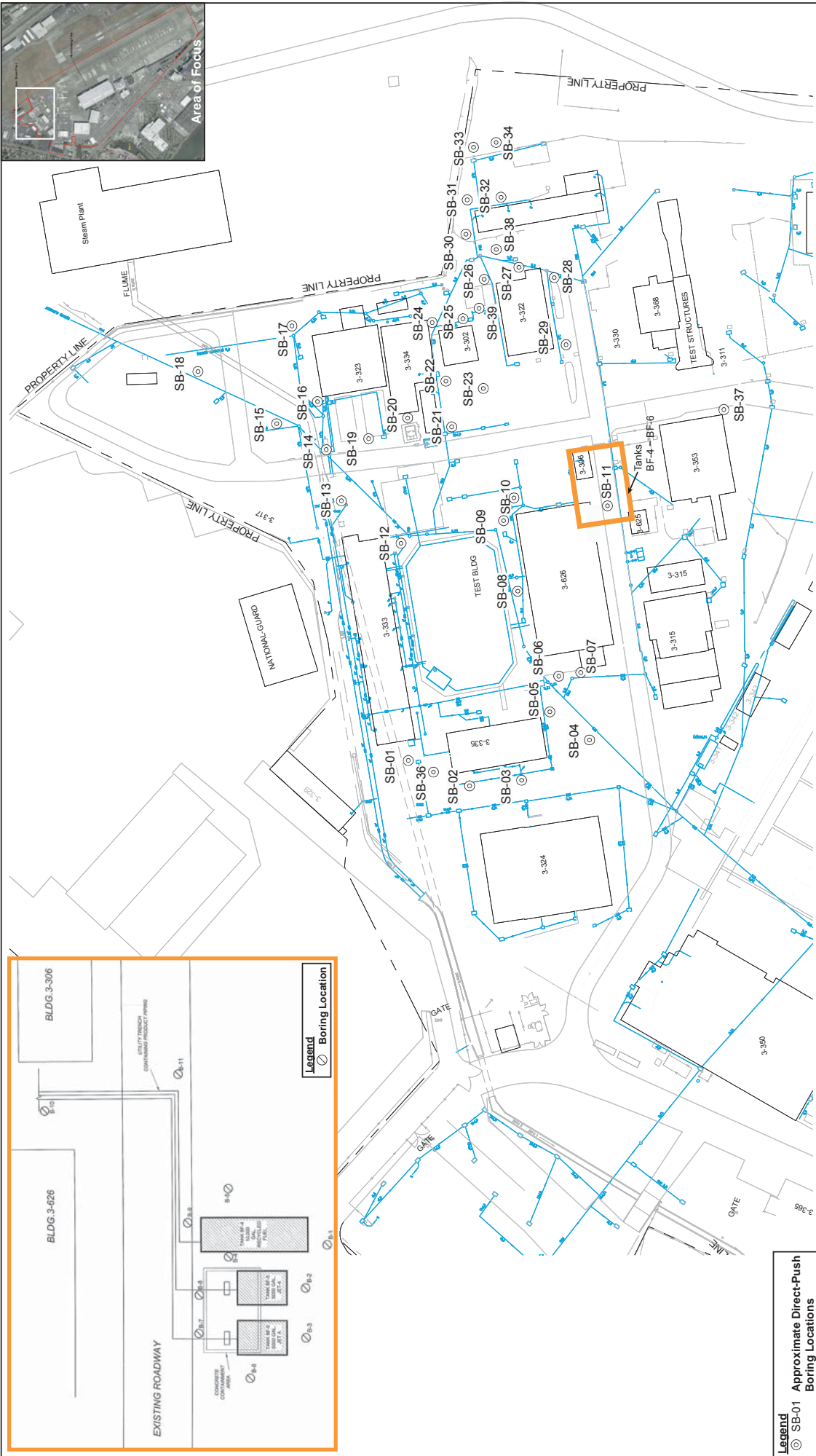


Figure 4-5. Areas of Investigation: Propulsion Engineering Lab Area

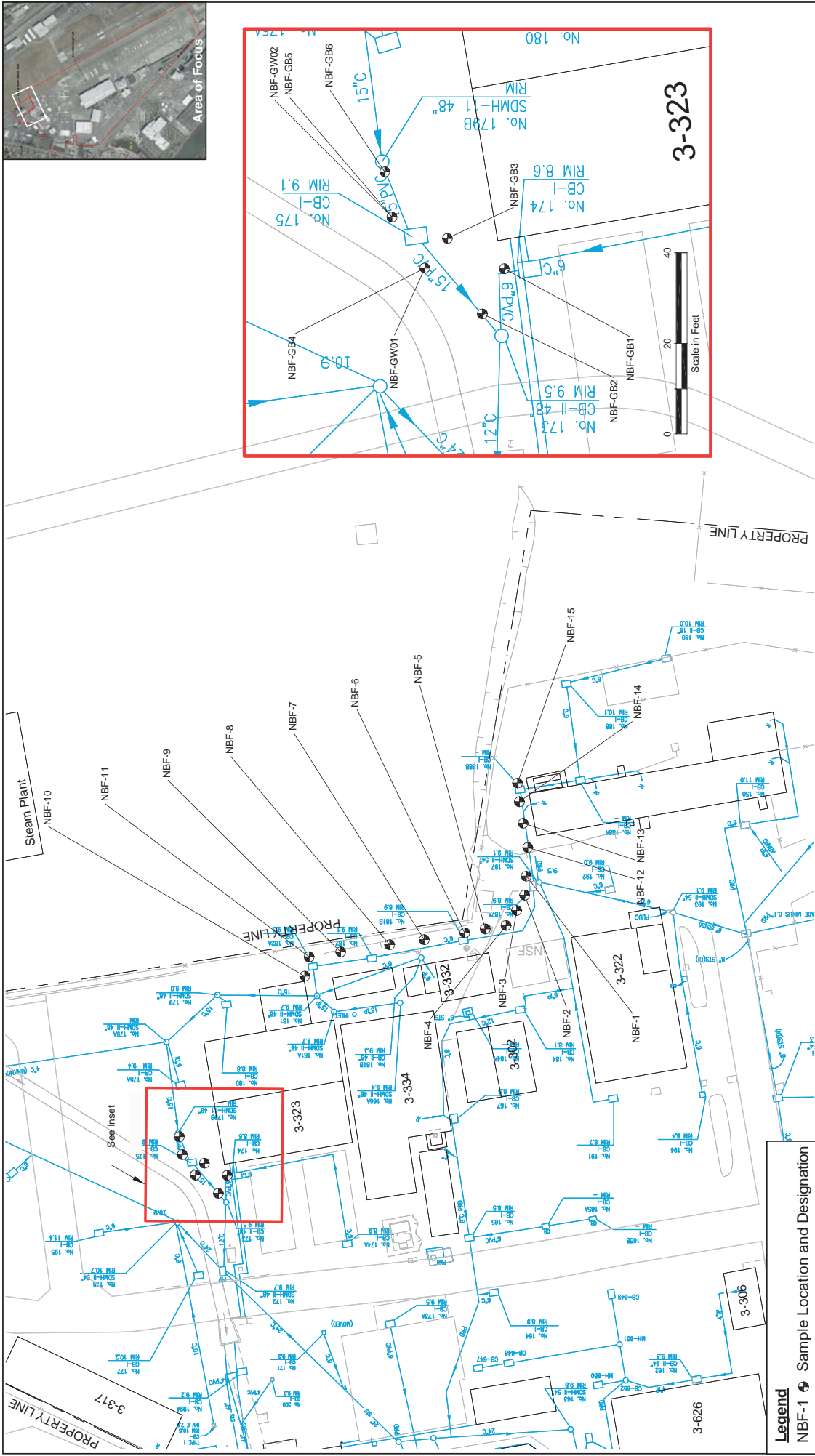






**Figure 4-6. PCB Soil Investigation (2007) and Tanks BF-4, BF-5, and BF-6 (2006)**

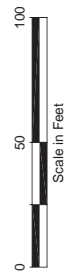
**Legend**  
 ○ SB-01 Approximate Direct-Push Boring Locations

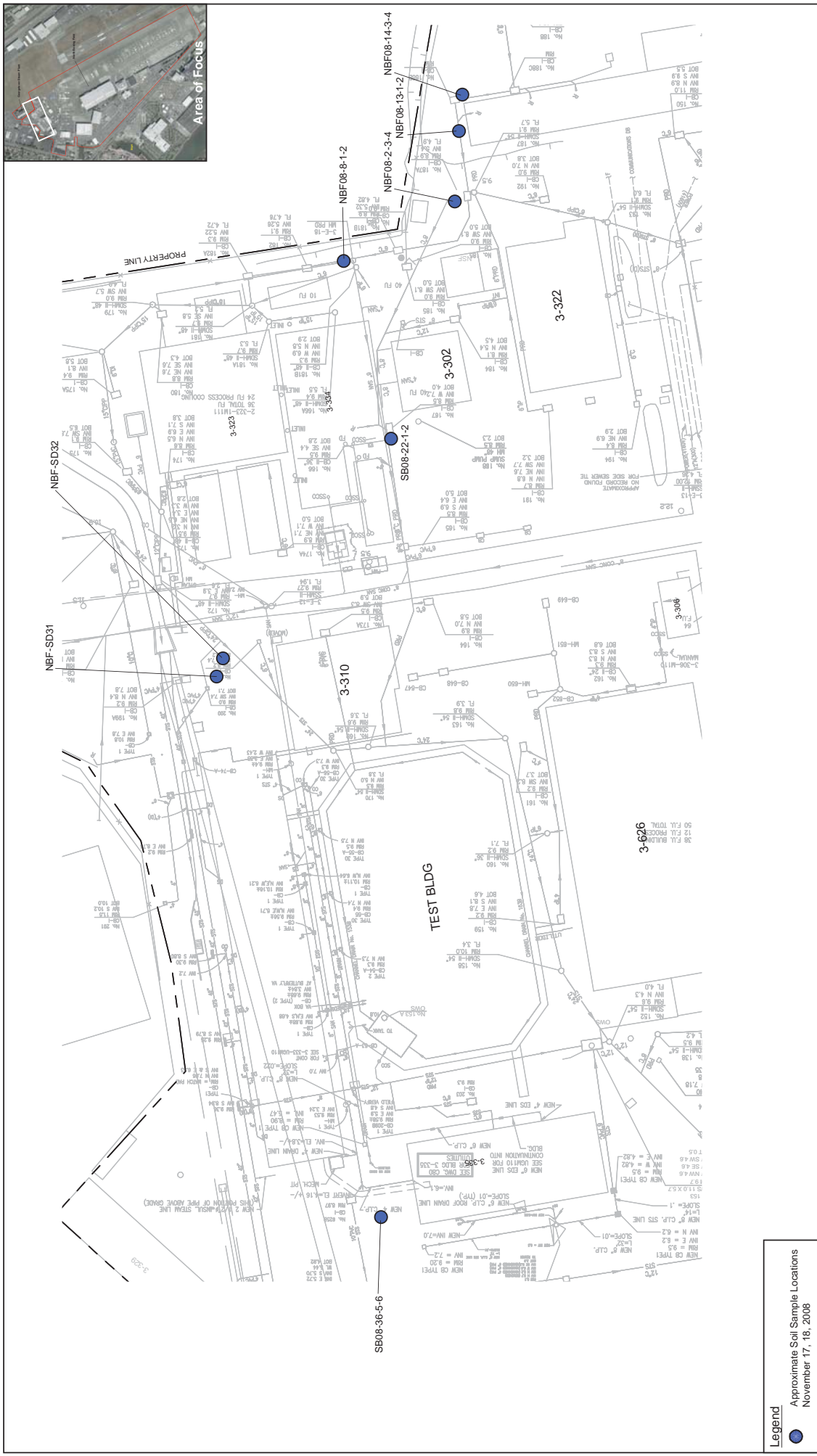


**Legend**  
 NBF-1 Sample Location and Designation



**Figure 4-7. Soil Samples Associated with Storm Drain Line Replacement (2007)**





**Figure 4-8. Investigation of PCB Sources to Slip 4 (2008) and Soil and Catch Basin Investigation (2008) Propulsion Engineering Labs Area**

Sources: Lamdu October 31 and December 19, 2008

**Legend**

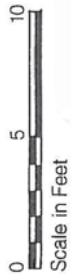
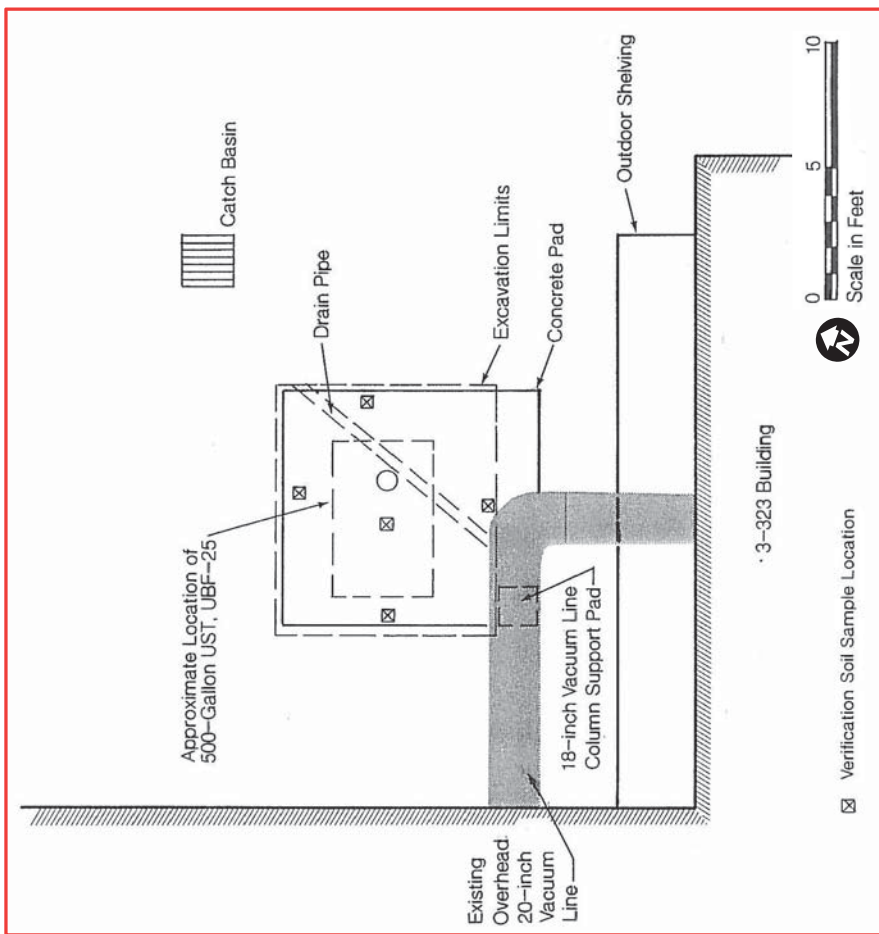
- Approximate Soil Sample Locations
- November 17, 18, 2008

Scale in Feet

DEPARTMENT OF  
**ECOLOGY**  
State of Washington



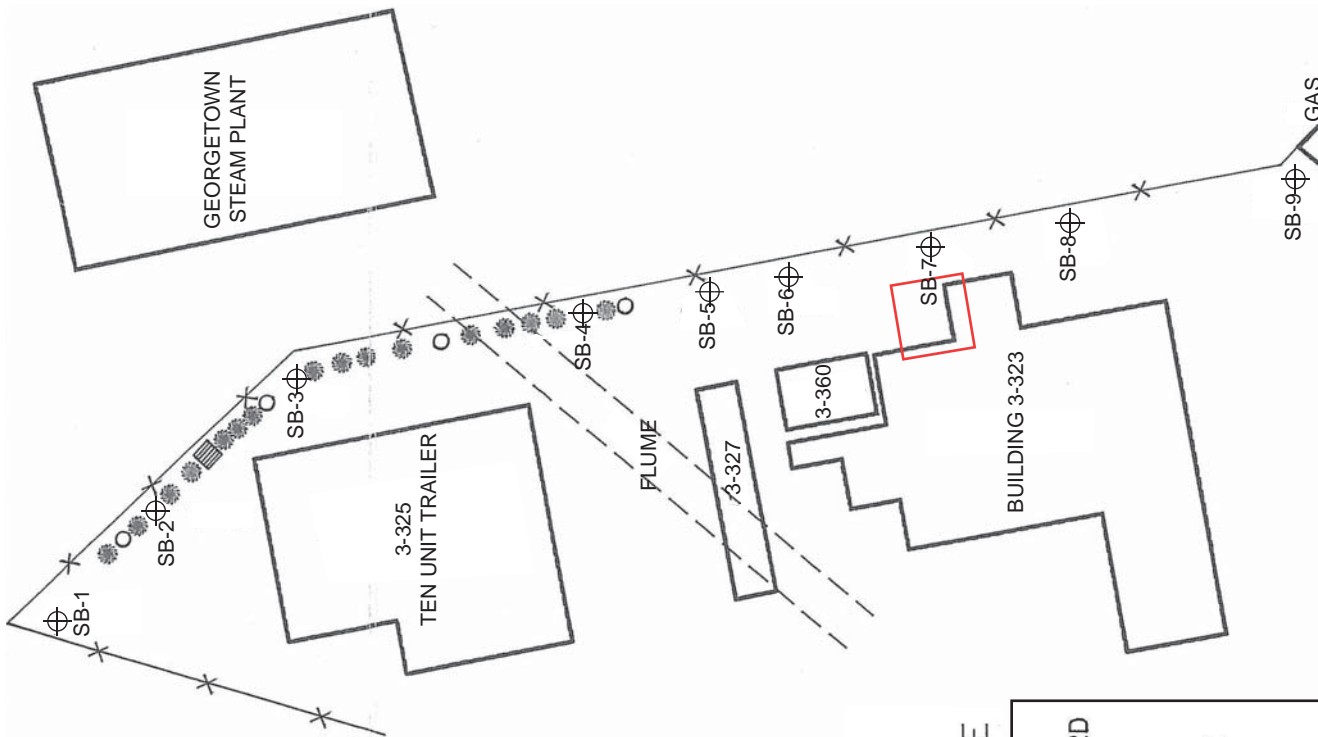
Area of Focus



Scale in Feet



Verification Soil Sample Location



APPROX. SCALE

**Legend**

	LIGHT STANDARD
	SOIL BORING
	STORM DRAIN
	REMOVED TREE
	EXISTING TREE
	FENCE

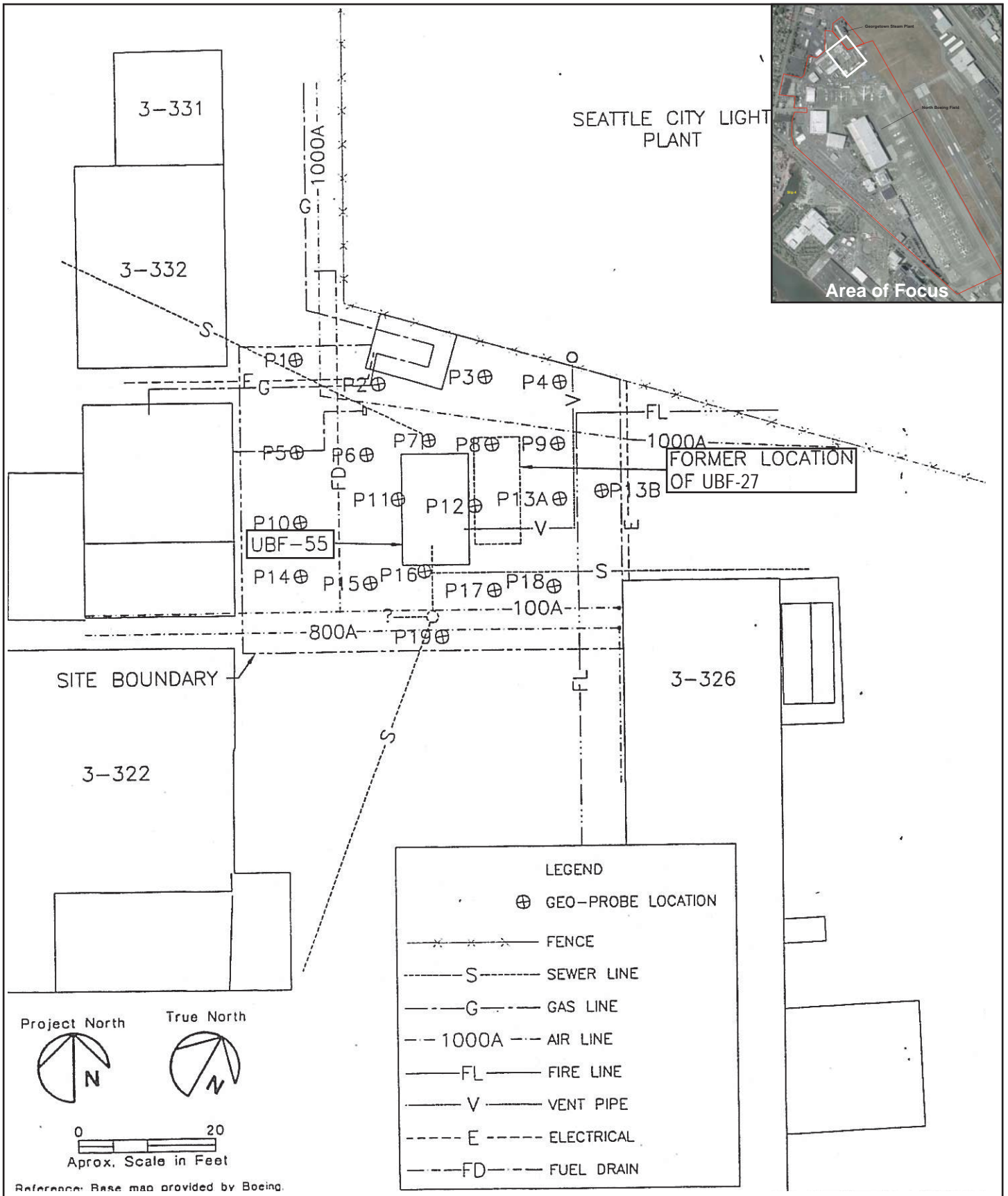
Source: Groundwater Technology, Inc., July 1990



Figure 4-9. UBF-25 Removal (1989) and Dead Tree Investigation (1990)







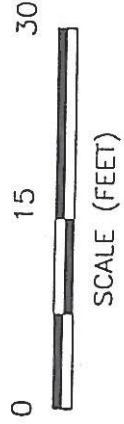
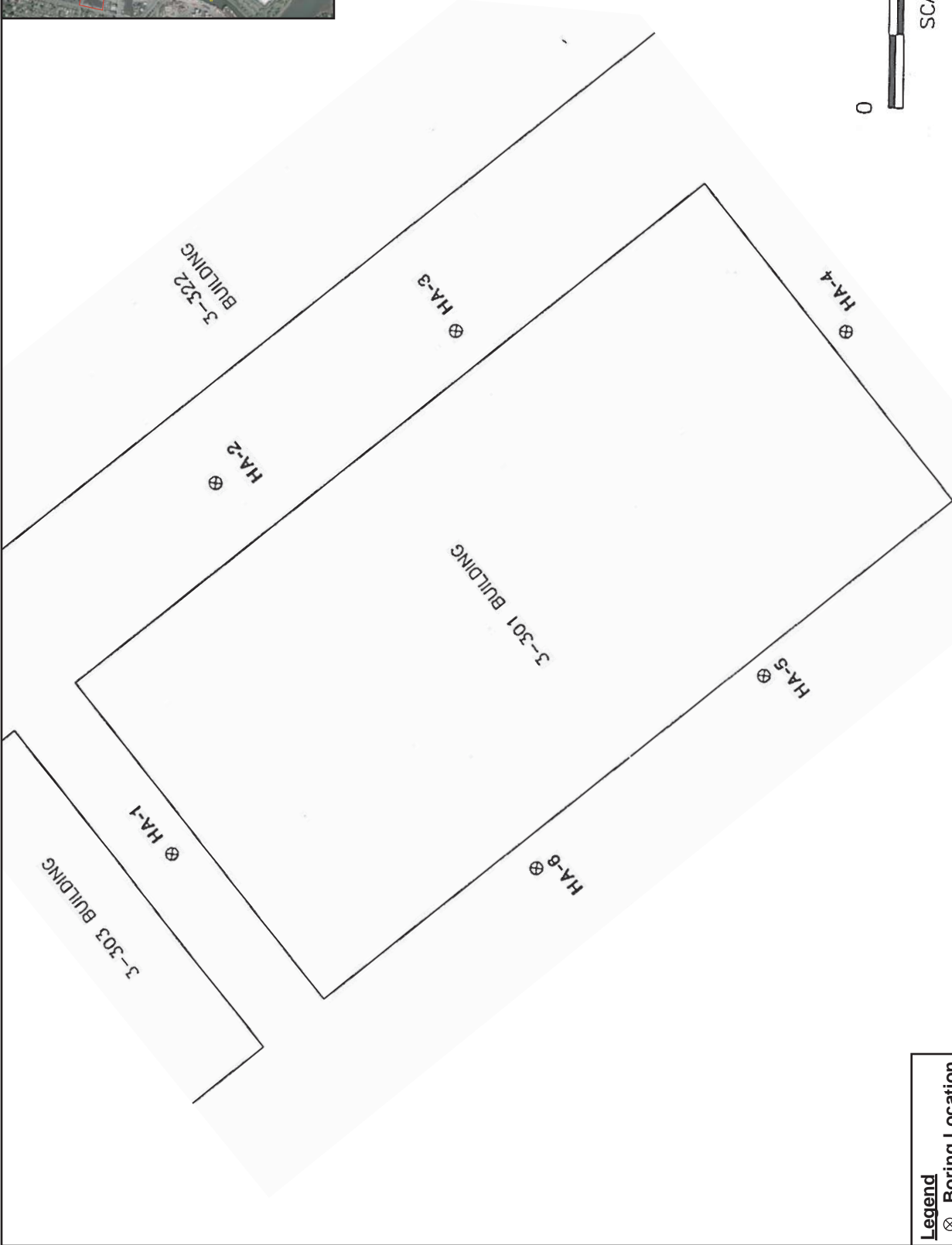
Source: AGI Technologies 1997



**Figure 4-10. Oil/Water Separator  
UBF-55 and UBF-27 (1997)**





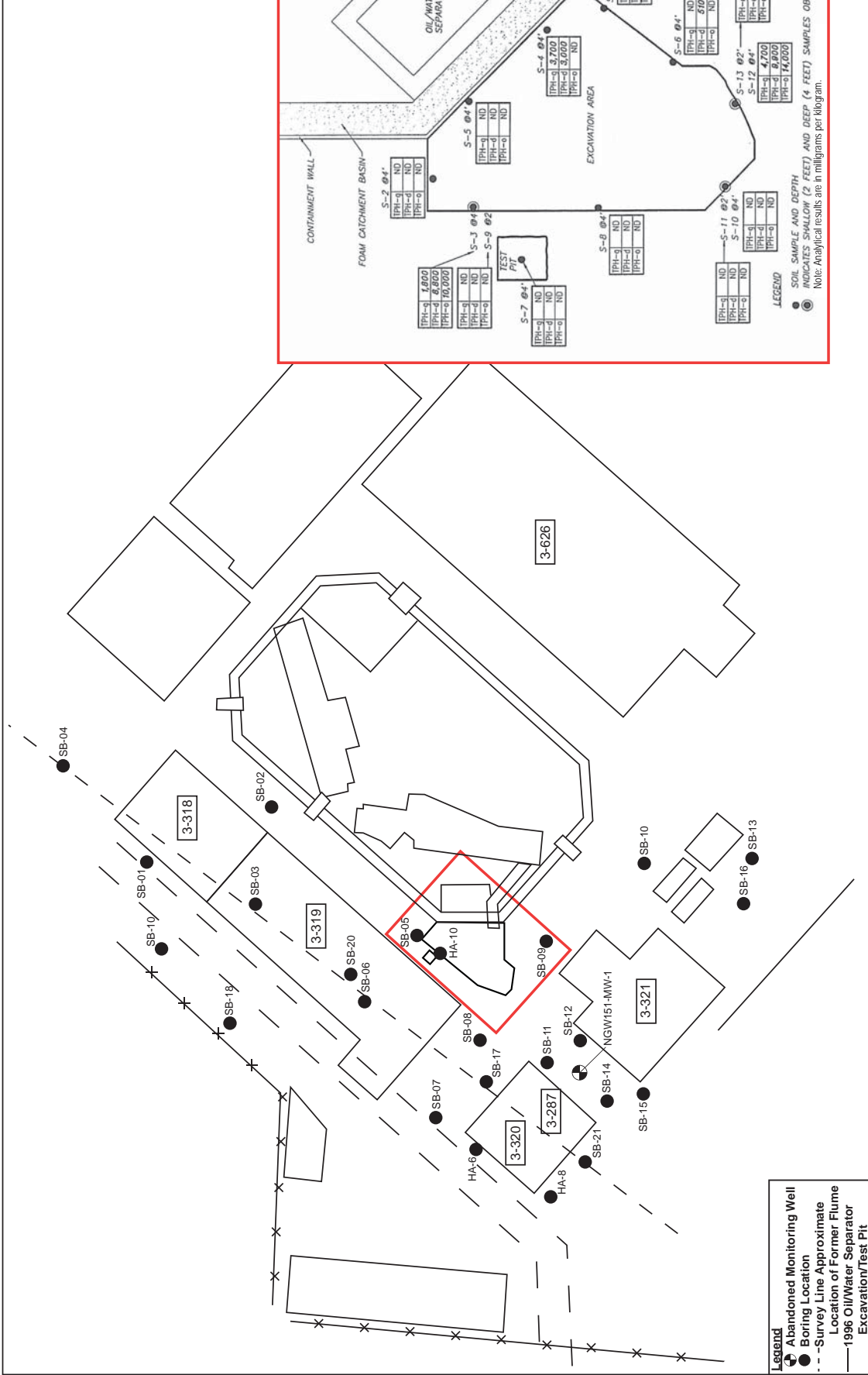


**Legend**  
 ⊗ Boring Location

Source: SECOR, November 1994



Figure 4-12. Building 3-301 Environmental Assessment (1994)



**Figure 4-13. Building 3-333 Assessments and Remedial Excavation (1994-1996)**



Source: SEACOR 1995, 1996



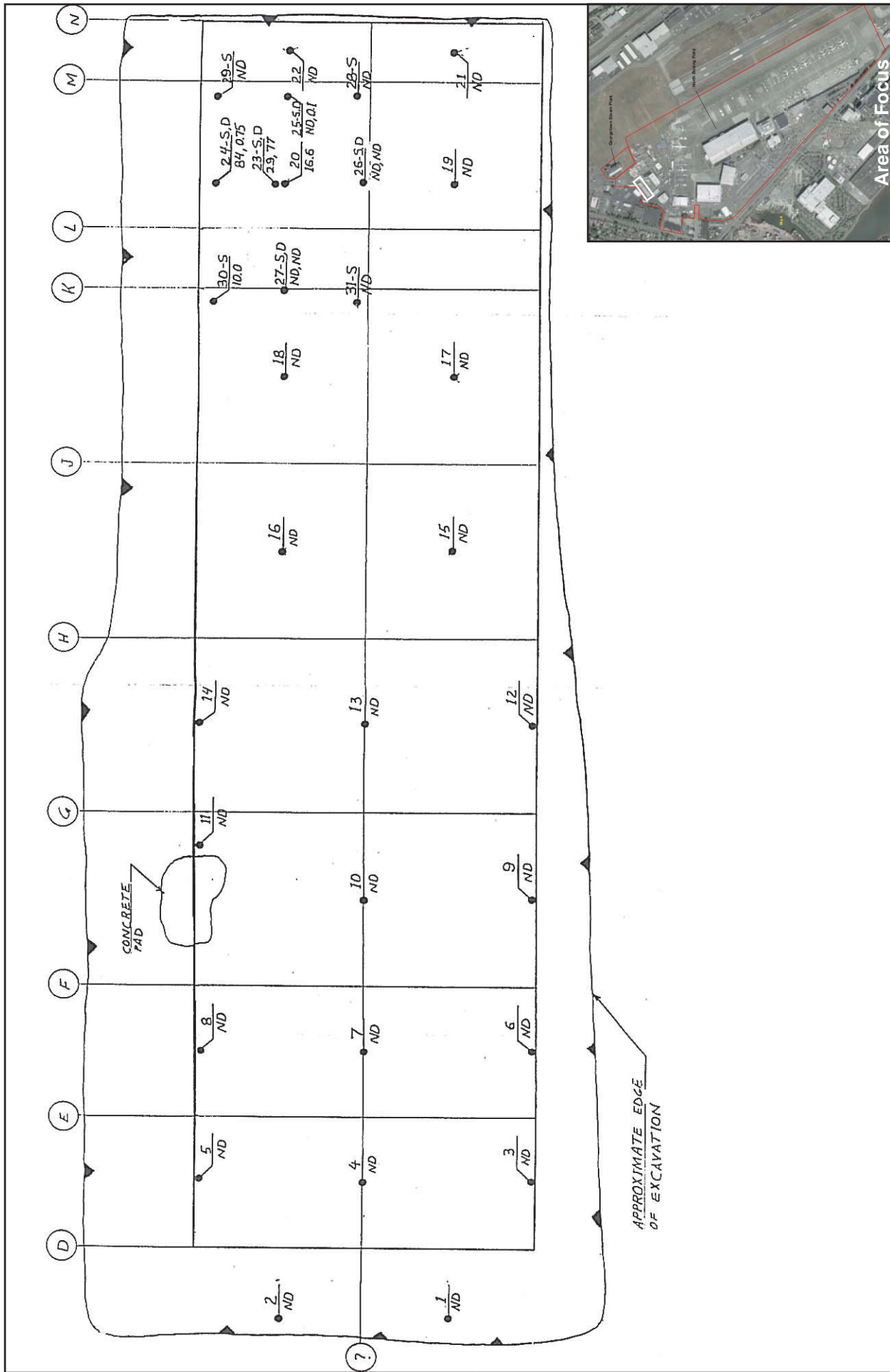
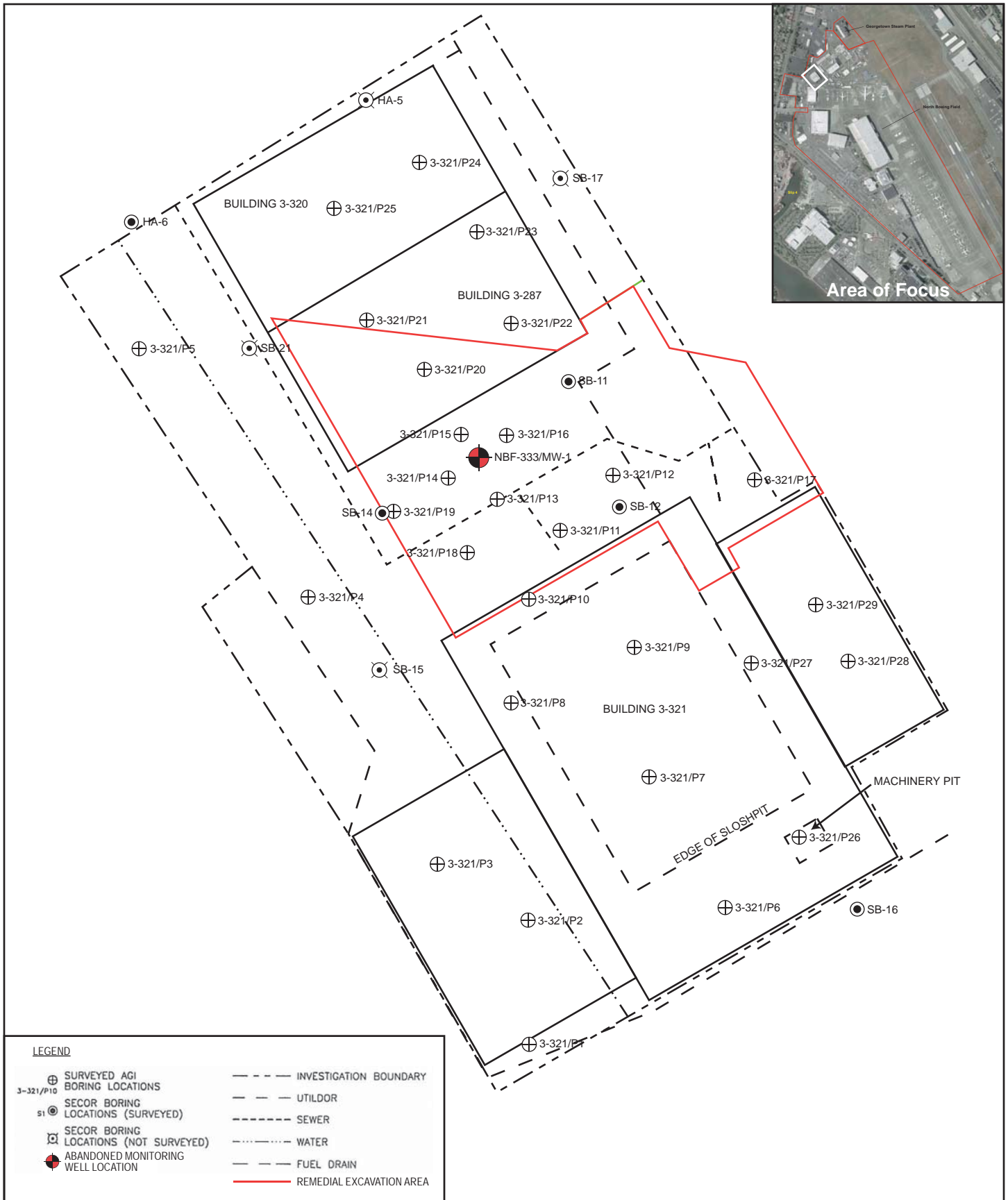


Figure 4-14. Building 3-333 Phase I Construction Interim Remedial Action (1996)



**Figure 4-15. Building 3-333 Phase II Construction Assessments and Remedial Action (1997)**



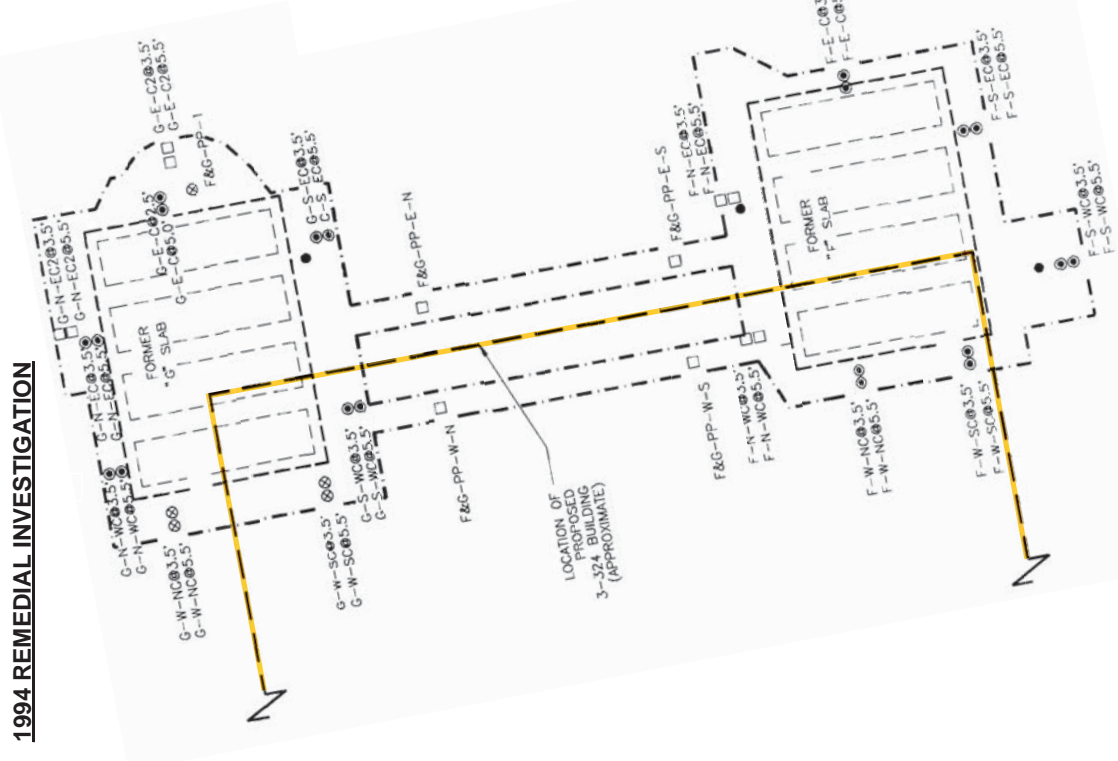
Source: AGI Technologies, January 1999



**Figure 4-16. Building 3-335  
Environmental Assessment (1998)**



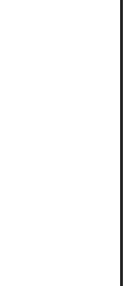
**1994 REMEDIAL INVESTIGATION**



Note: All locations are approximate.

**Legend**

- Former Subsurface Product Pipeline Location
- BF 10 Former Jet Fuel Tank Location
- FG-6 Former Monitoring Well (Abandoned 4/18/94)
- SB-4 Preclosure Site Assessment Soil Borings (Abandoned on 11/30/94)
- FG-SB8 Soil Borings with MTCA Exceedances
- Proposed Building 3-324 Foot Print
- Soil Removed During 1994 Excavation
- Approximate Limits of 1994 Remedial Excavation



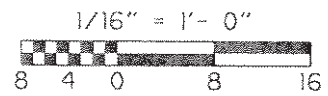
**Figure 4-17. Former F&G Facility Environmental Assessments (1986, 1993 - 1994)**







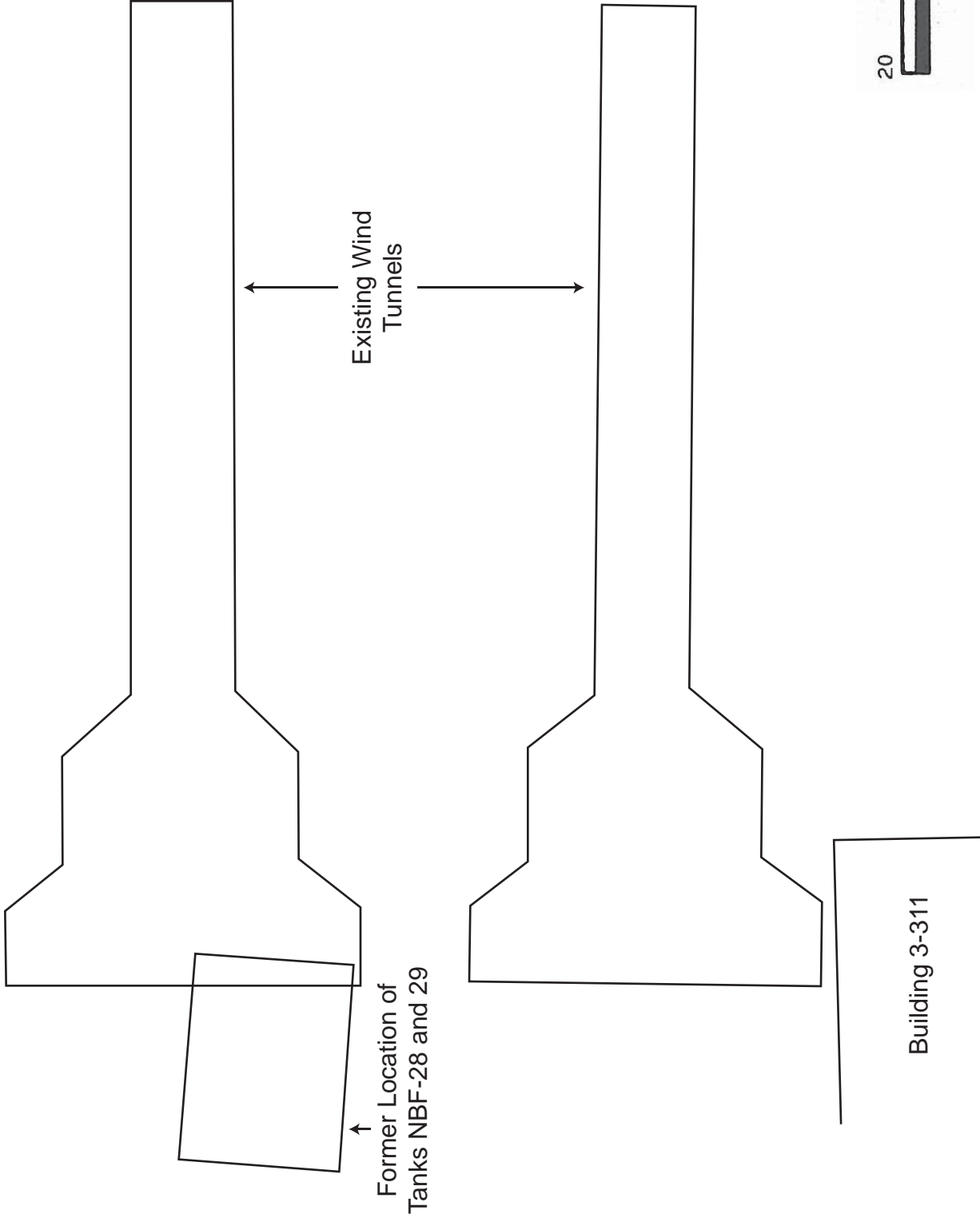
- Legend**
- Sample Location and Depth
  - 2001 Excavation Confirmation Sample



Source: CDM, 2000, 2001

**Figure 4-18. Former Building 3-304 Environmental Assessments (2000 - 2001)**



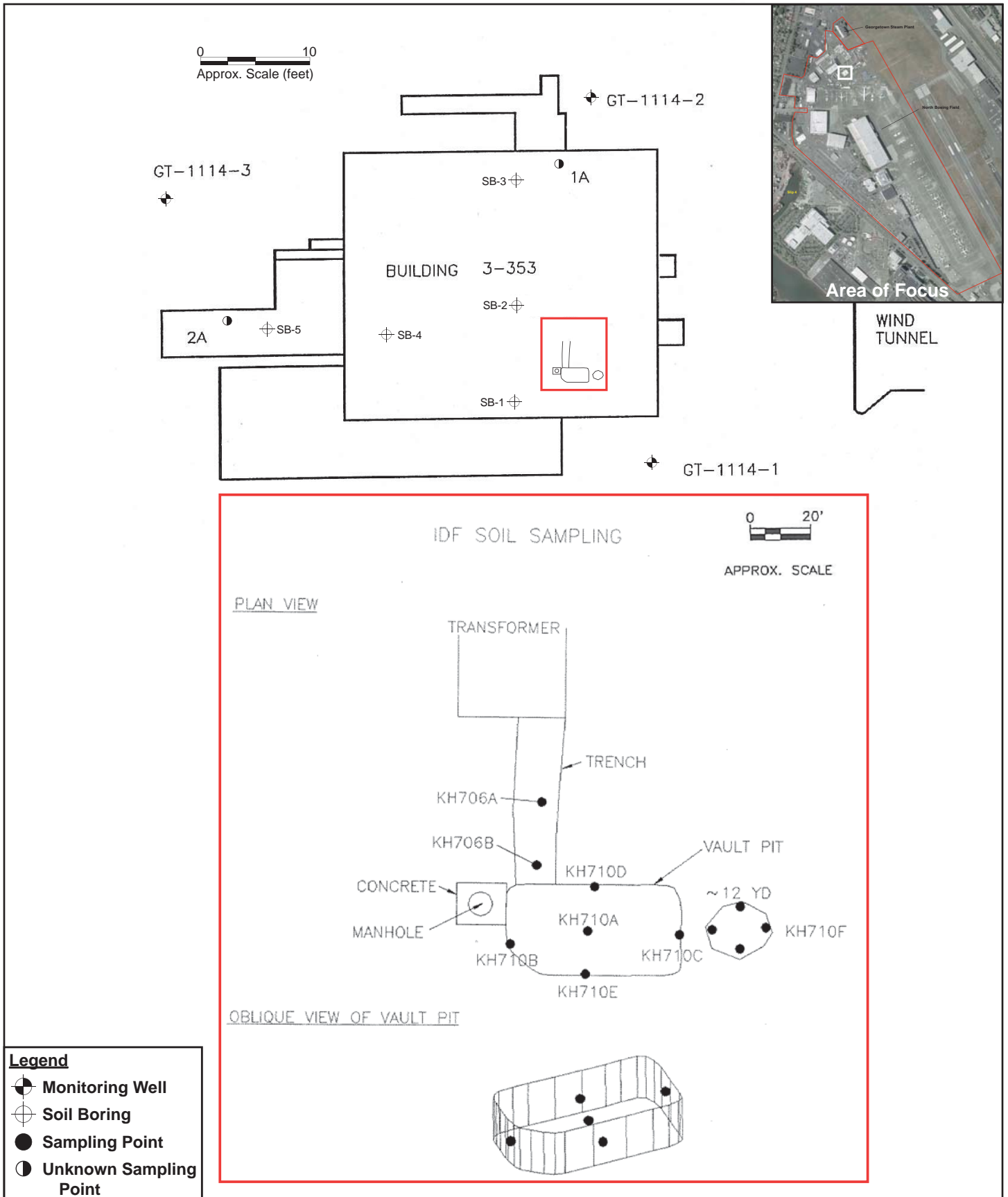


Source: Landau Associates, Inc. August 1986

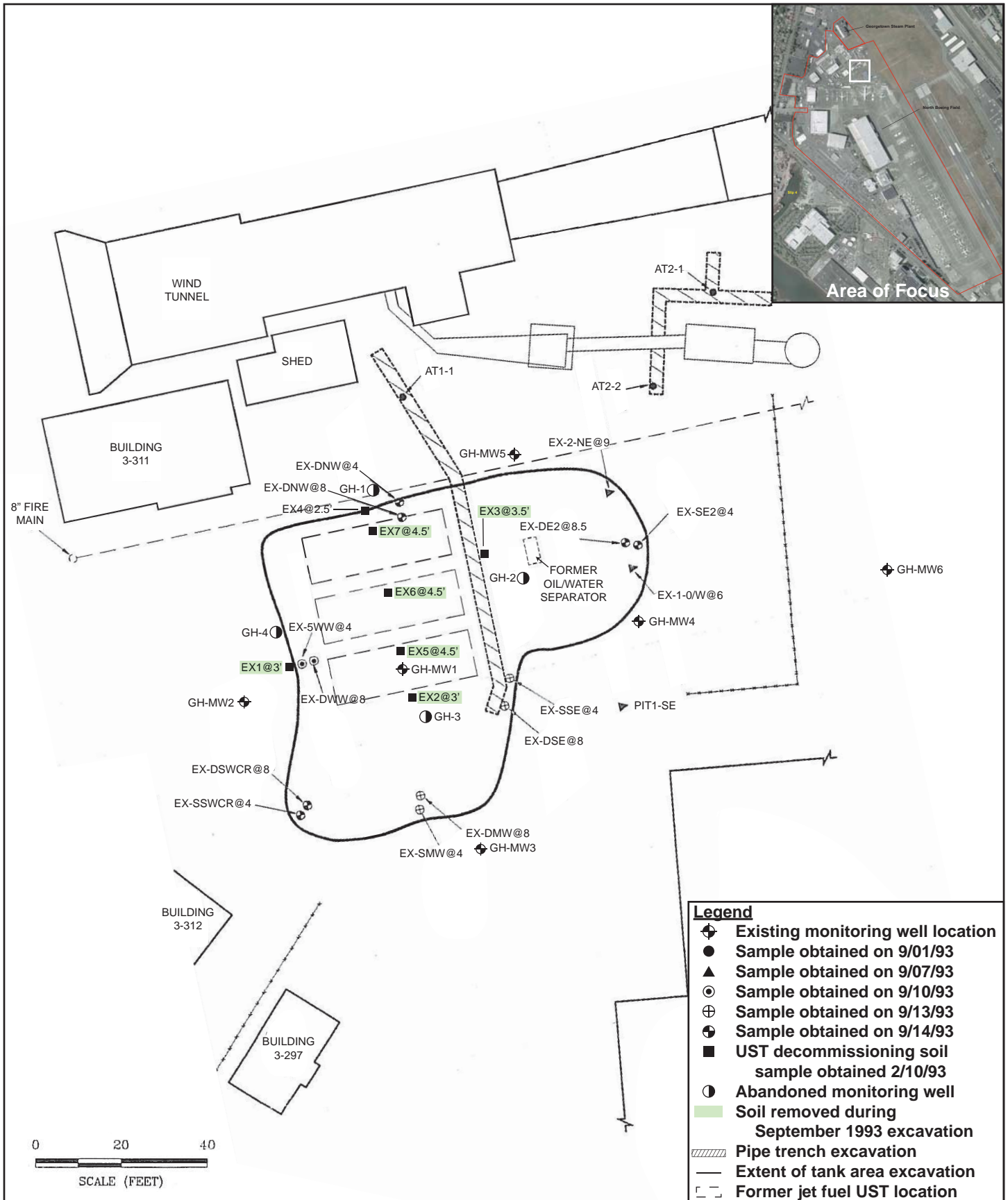


Figure 4-19. Former Tanks NBF-28 and NBF-29 (1985 - 1986)



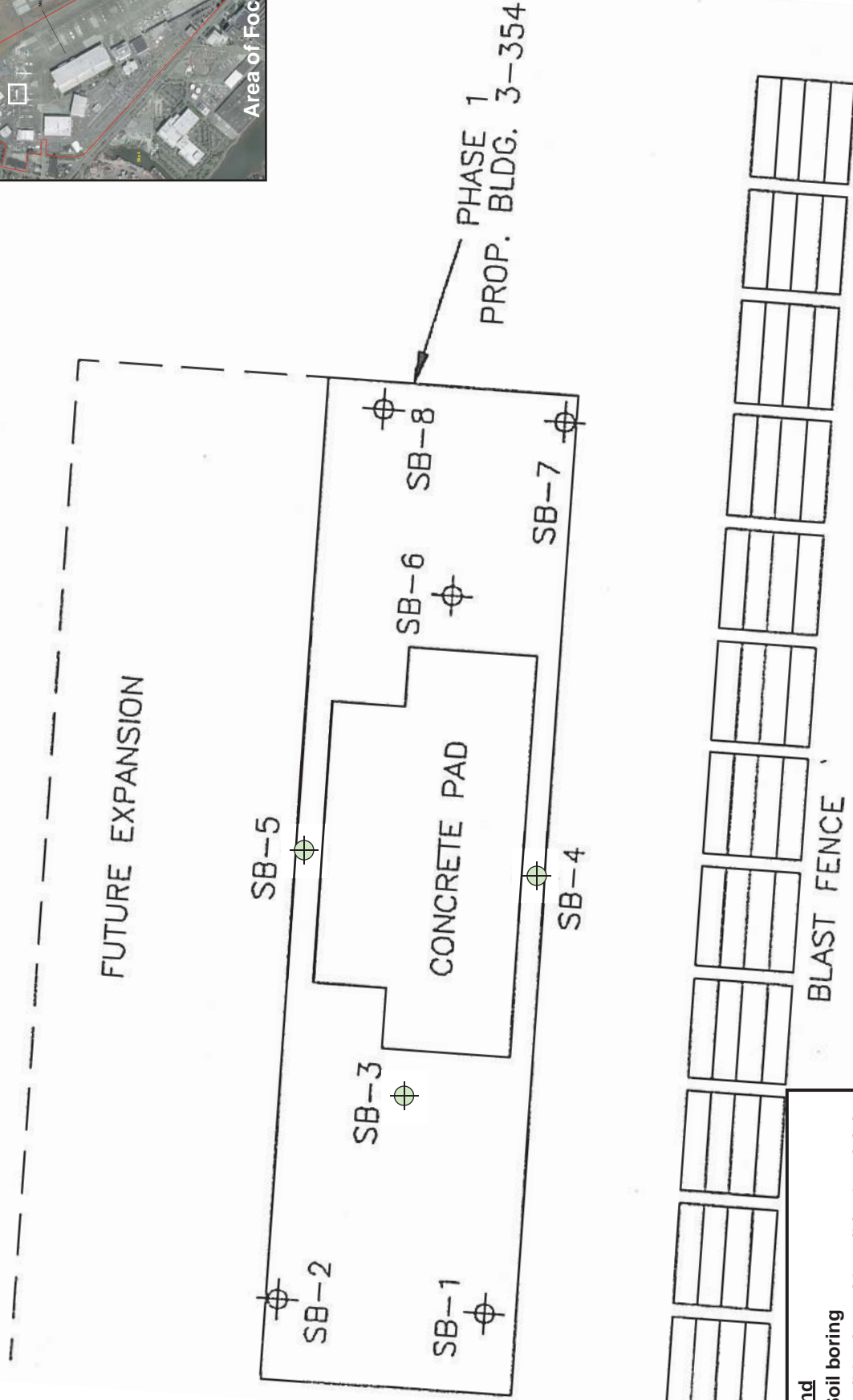


Source: Groundwater Technology, Inc. March 1990, November 1990





**Figure 4-21. Green Hornet Area Assessments and Remedial Excavation (1985 - 1986 and 1992 - 1994)**





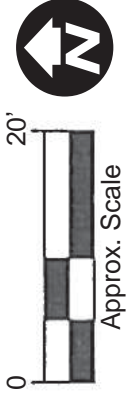
**Legend**

-  Soil boring
-  Soil boring with soil in the vicinity excavated in 1992. Excavation limits are unknown.

Source: Groundwater Technology, Inc., November 1991



**Figure 4-22. Building 3-354  
Assessment and Remedial Excavation**



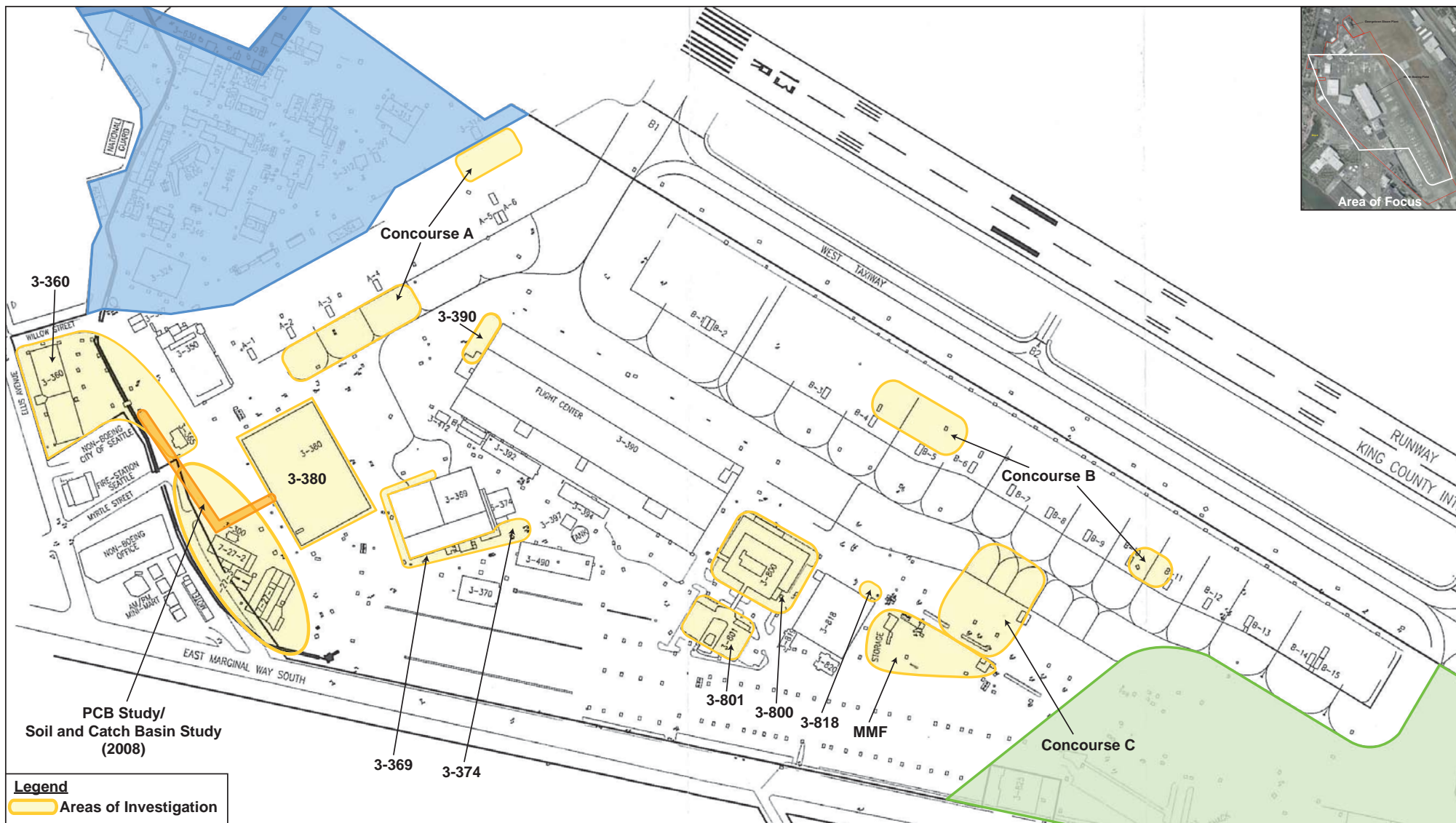
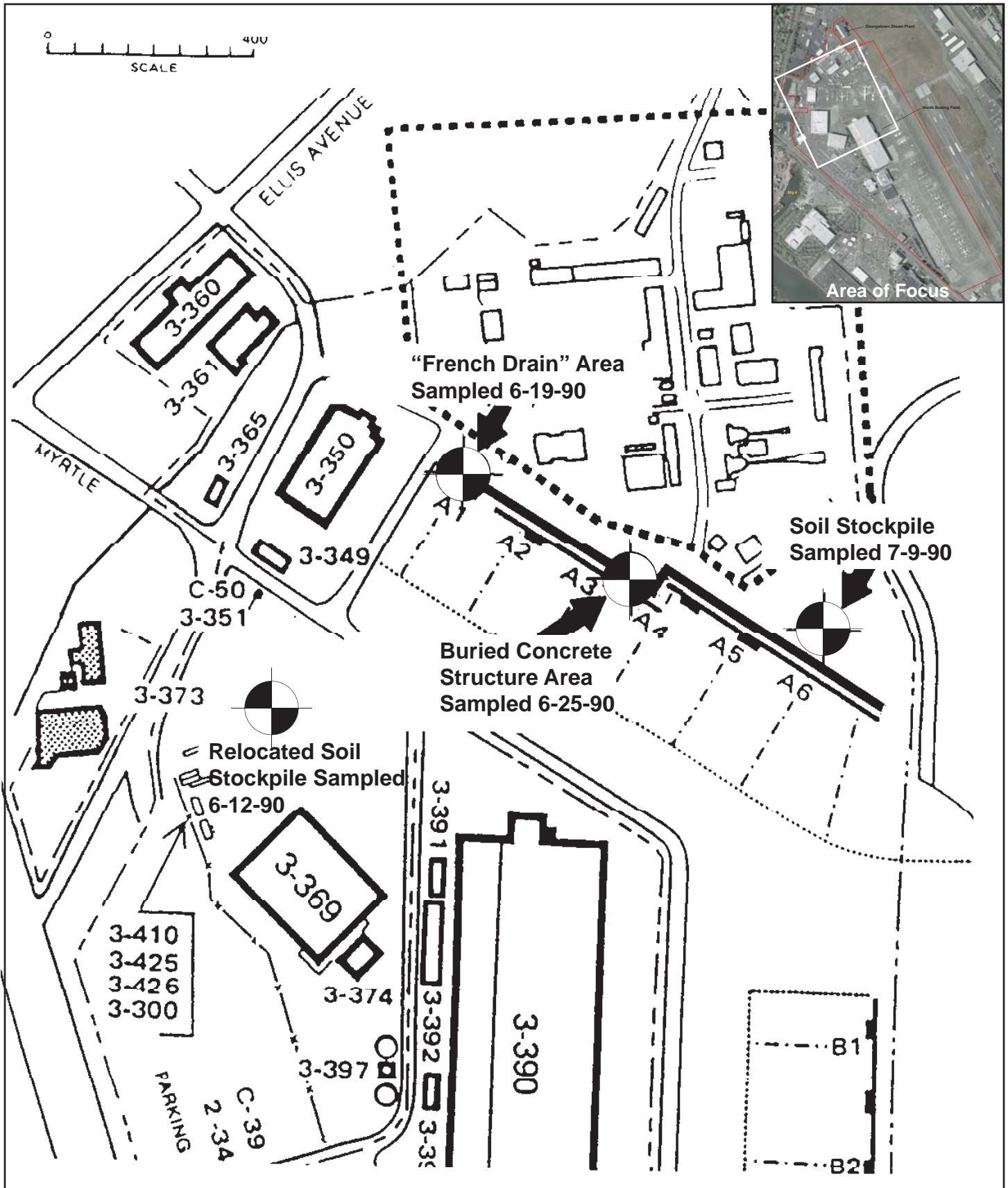


Figure 4-23. Areas of Investigation: Central Area of North Boeing Field



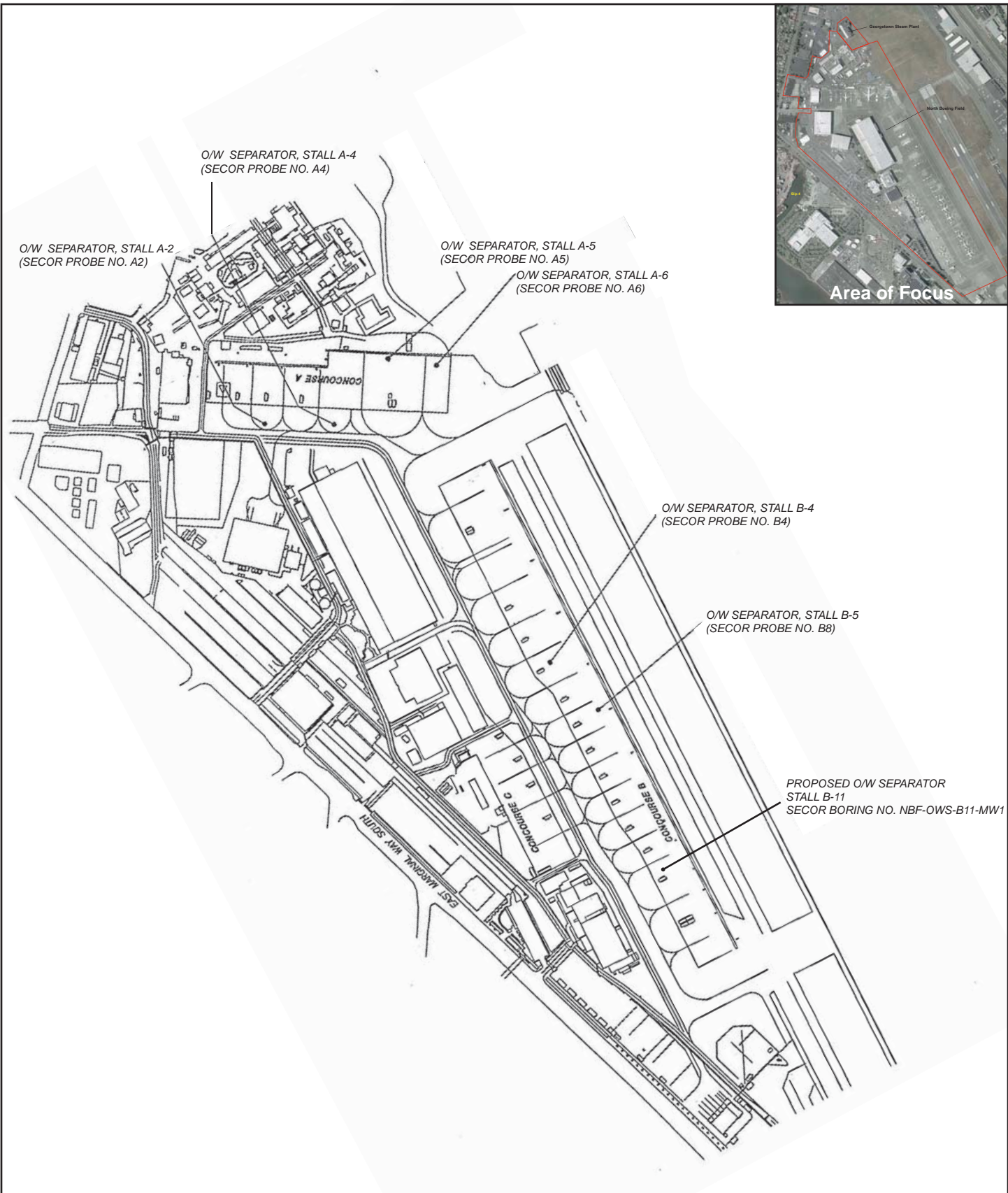
Source: Groundwater Technology Inc., August 1990



Figure 4-24. Utilidor Project (1990)







REFERENCE: COVER SHEET, 7/25/96, DRAWING NO. 3.YD-CO. BOEING FACILITIES DEPARTMENT

Source: SECOR, October 1996

**Figure 4-25. Concourses A and B  
Oil/Water Separator Preconstruction  
Assessments (1996)**



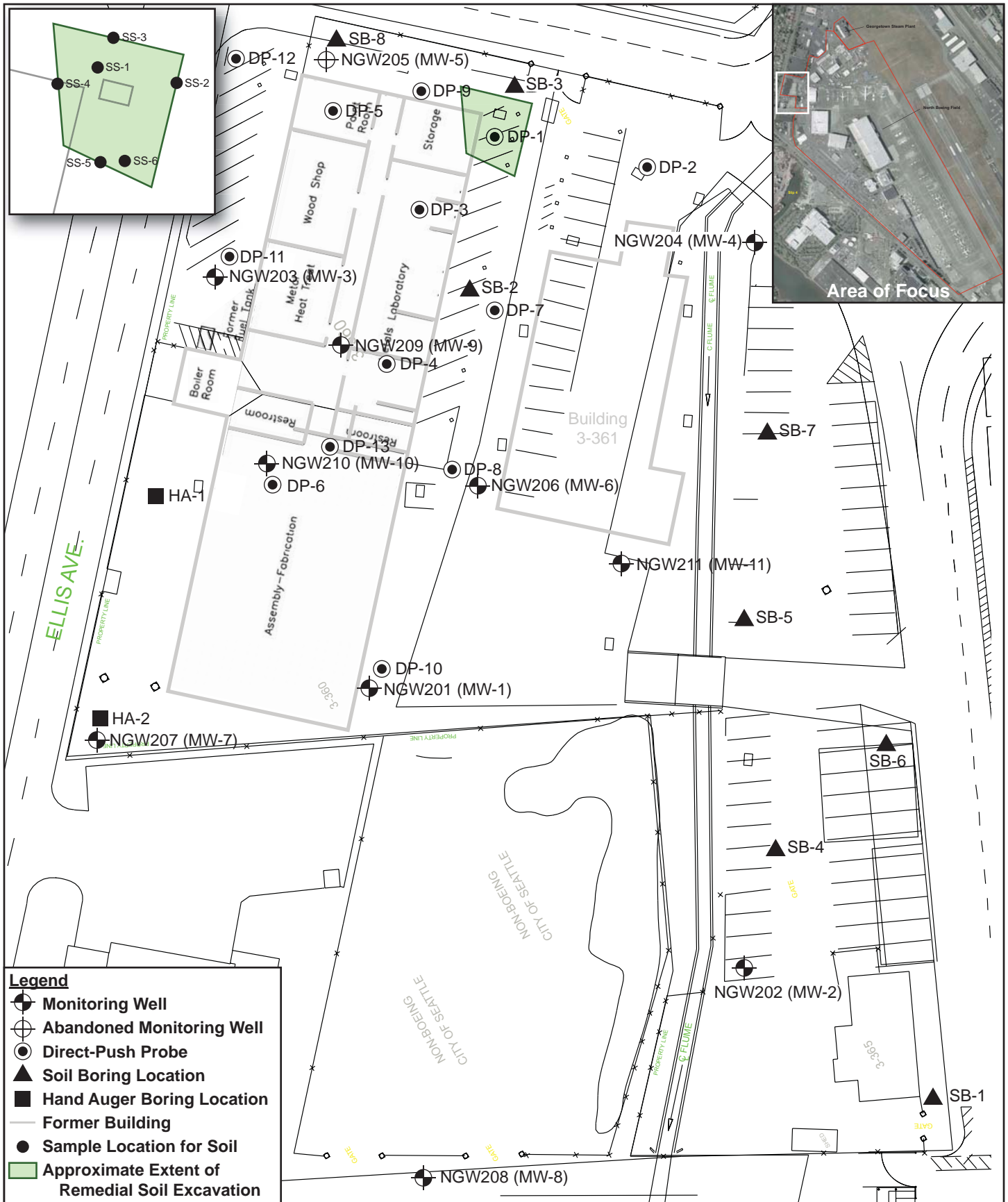
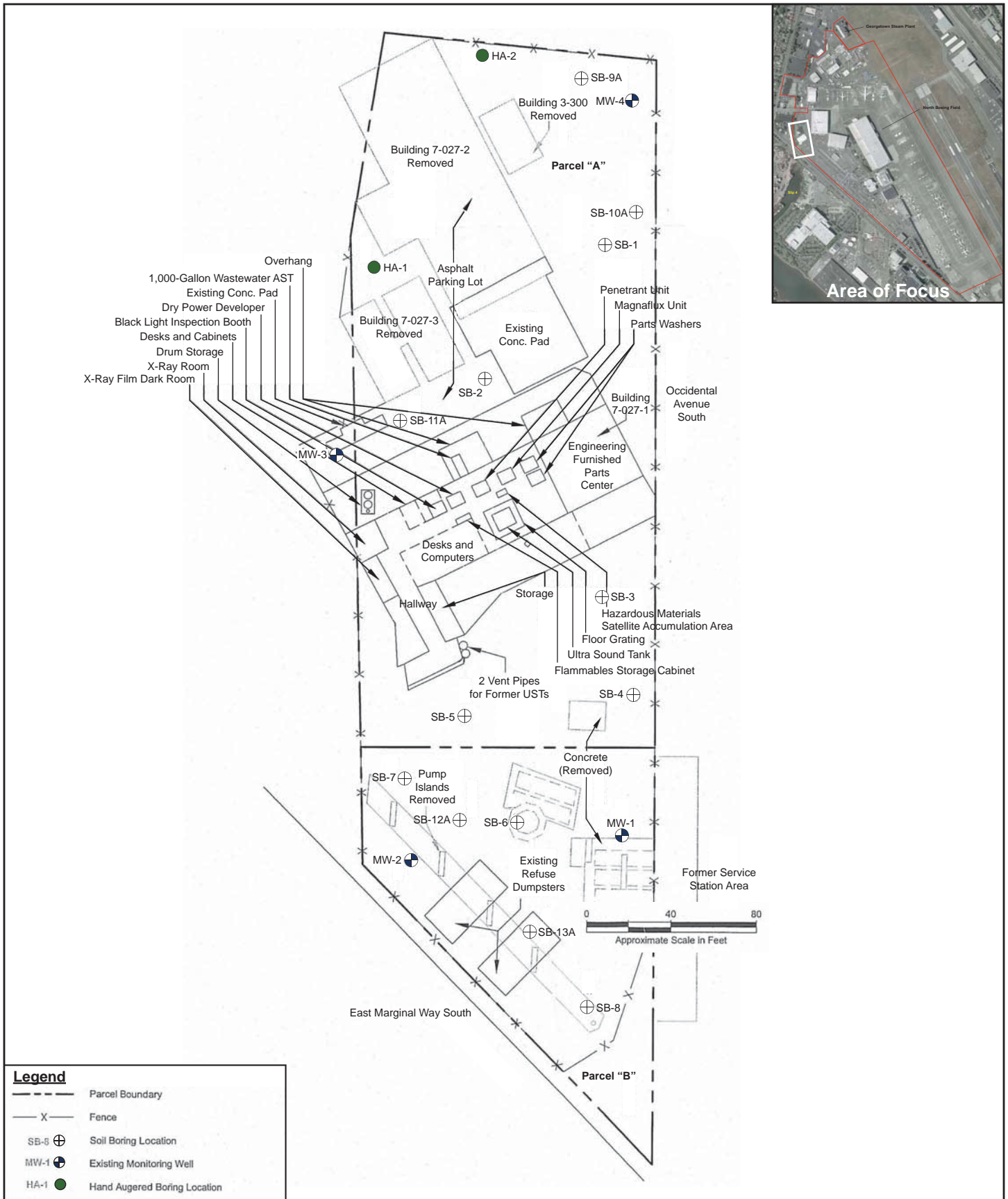


Figure 4-26. Buildings 3-360, 3-361, and 3-365 Assessments (1991, 1993 - 2003)



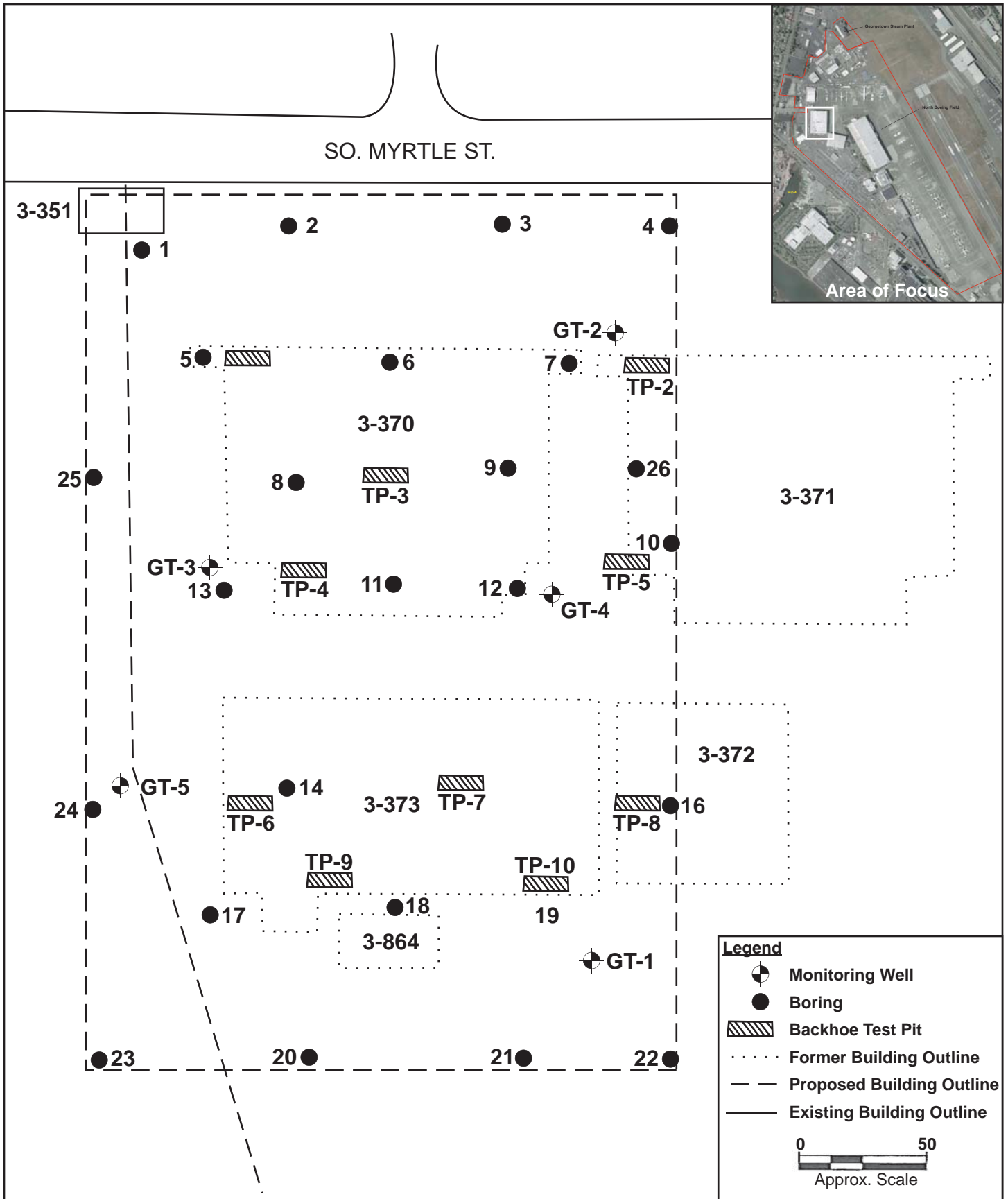
Source: Landau Associates, Inc., April 2002



**Figure 4-27. Buildings 7-027-1, 7-027-2, and 7-027-3  
Property and Building Features  
and Assessments (1991)**

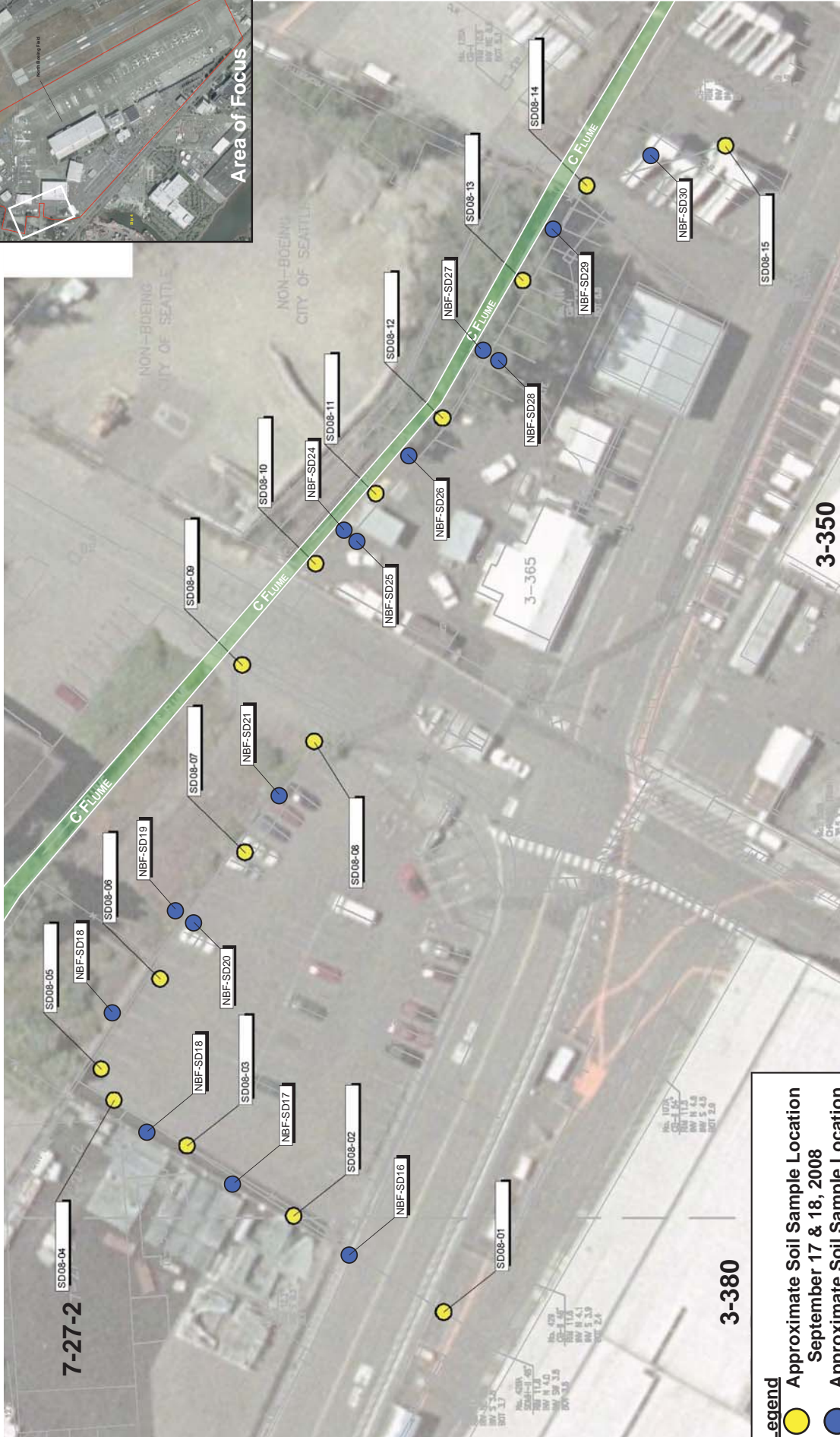






Source: Groundwater Technology, Inc., May 1990

**Figure 4-28. Building 3-380  
Pre-Construction Site Assessments (1989 - 1990)**



- Legend**
- Approximate Soil Sample Location  
September 17 & 18, 2008
  - Approximate Soil Sample Location  
November 17 & 18, 2008

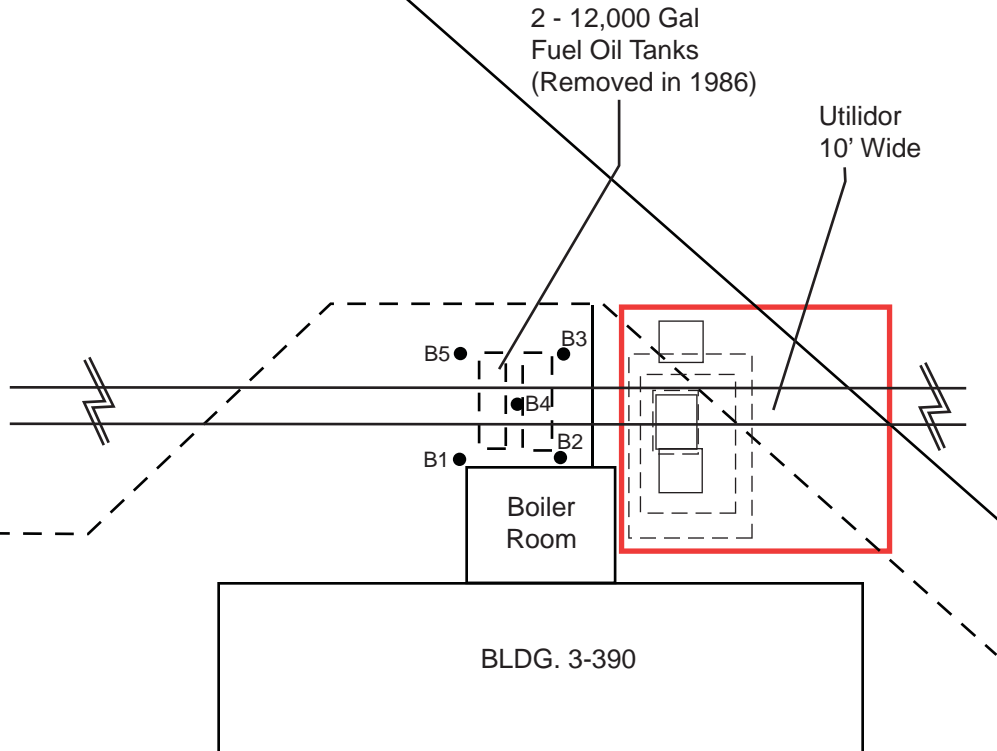
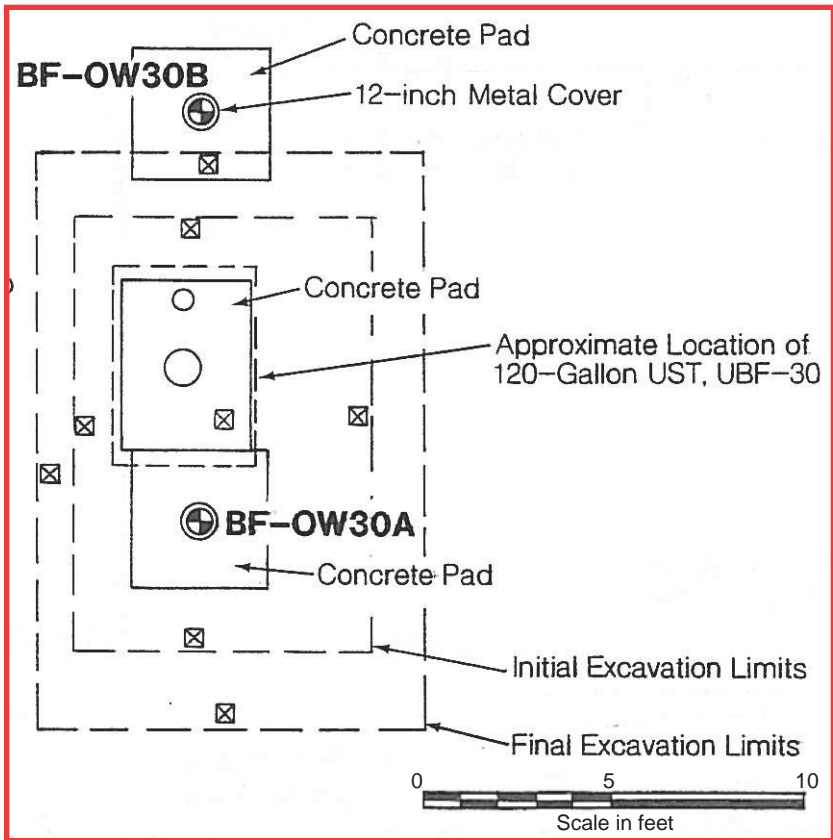
Source: Landau October 31 and December 19, 2008



**Figure 4-29. Potential PCB Sources to Slip 4 Study and Soil and Catch Basin Investigation (2008)—Central Portion of North Boeing Field**







**Legend**

- Monitoring Well
- Soil Boring
- Verification Soil Sample Location

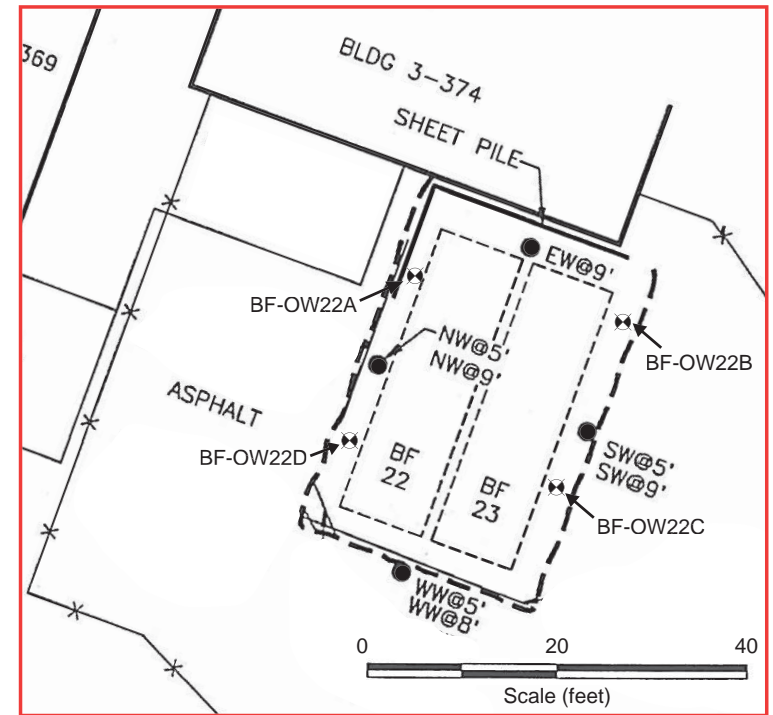
0 50  
Approx. Scale (feet)

Source: Groundwater Technology, Inc., May 1990  
Hart Crowser, August 1990



**Figure 4-30. Building 3-390 UST Assessments (1989 - 1991)**





**Legend**

- ⊕ Monitoring Well
- Sample Location
- - Final Excavation Limit on 10-13-94
- ⊠ Former UST Location
- ⊗ Monitoring Well Abandoned by Seacor

0 60'  
Approx. Scale (feet)

Source: Groundwater Technology, Inc., August 1989, July 1991  
Seacor, January 1993, November 1994



**Figure 4-31. Buildings 3-369 and 3-374 Assessments (1989 - 1991, 1995)**



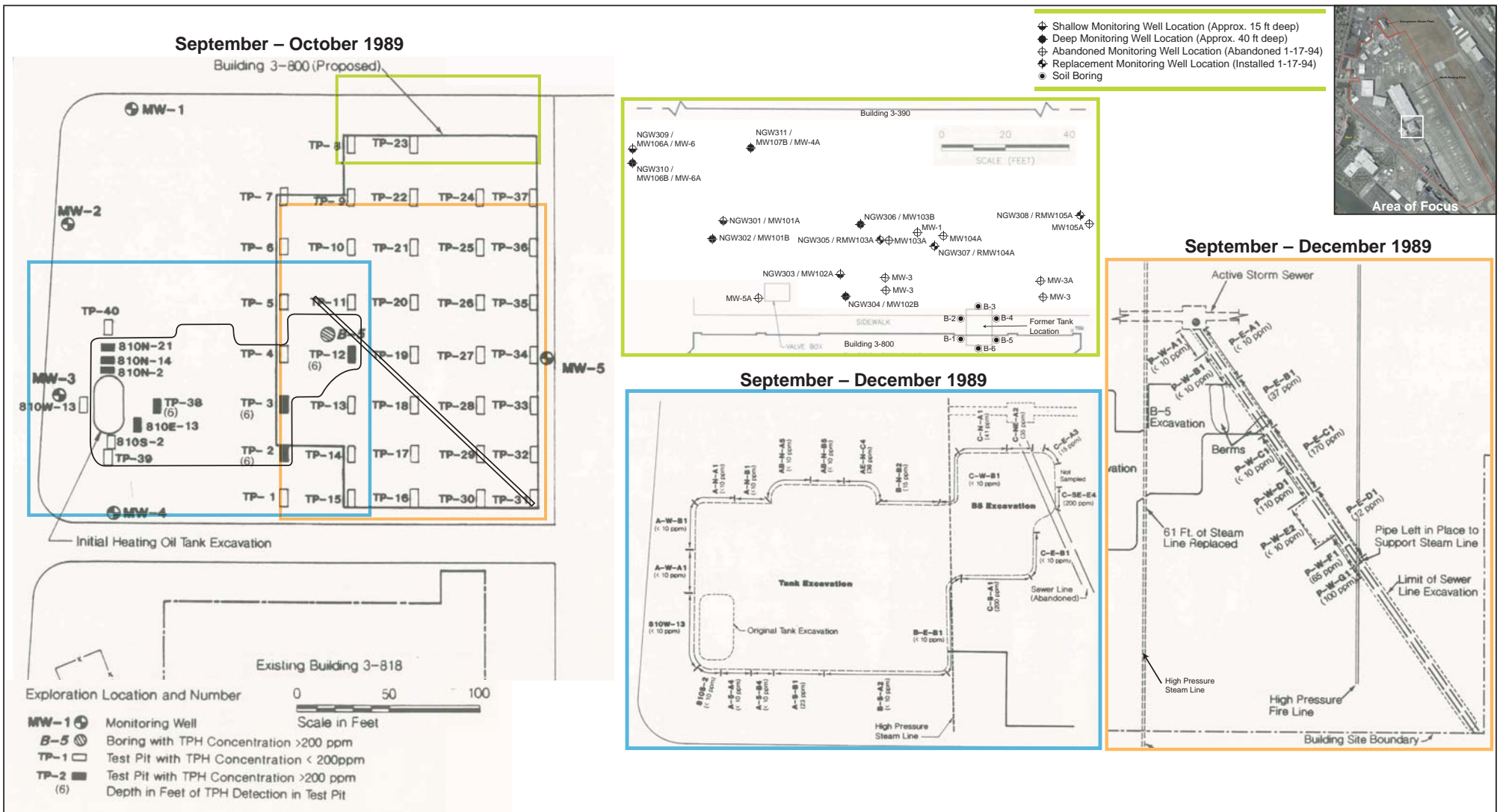


Figure 4-32. Building 3-800 Assessment

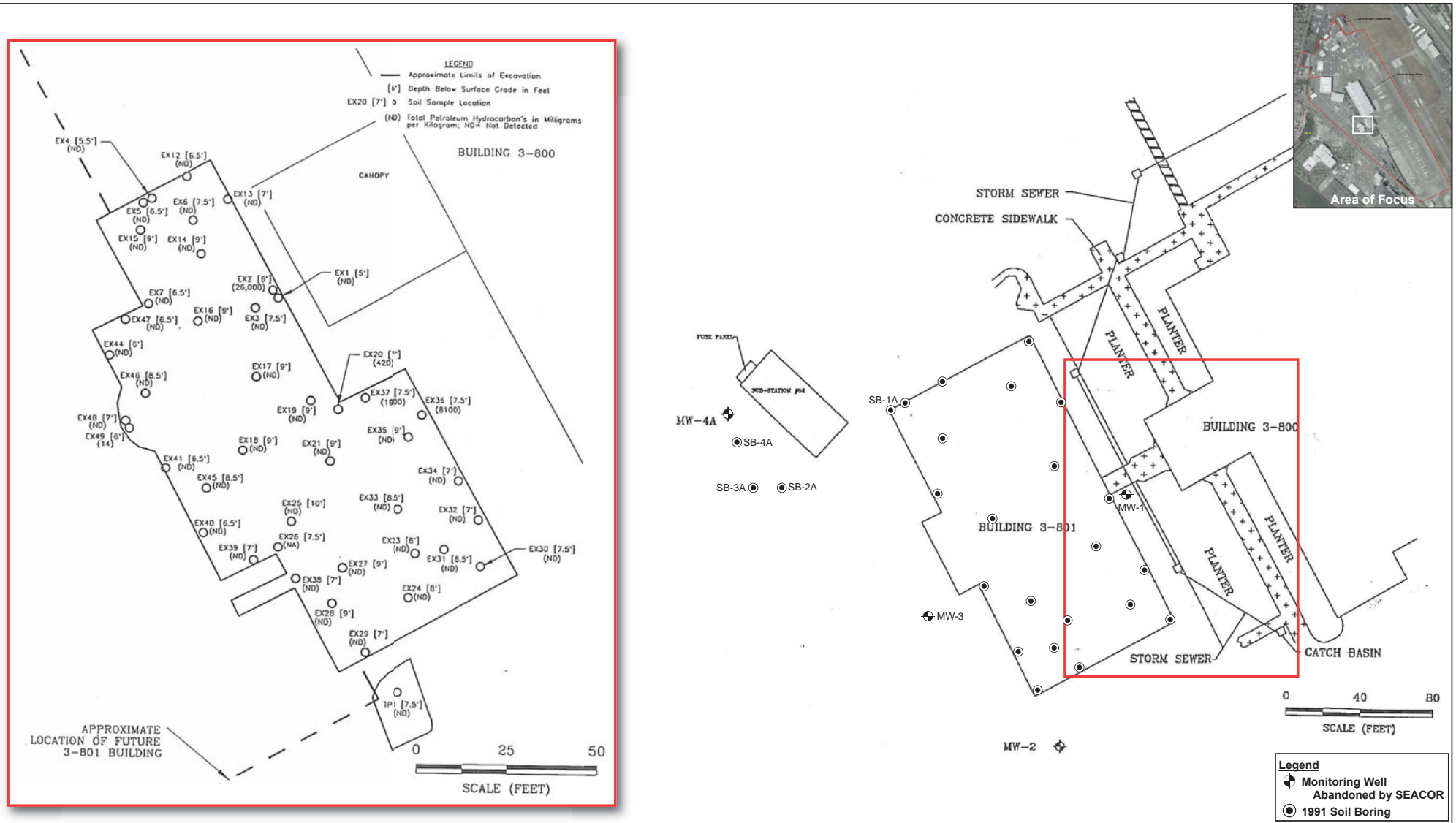
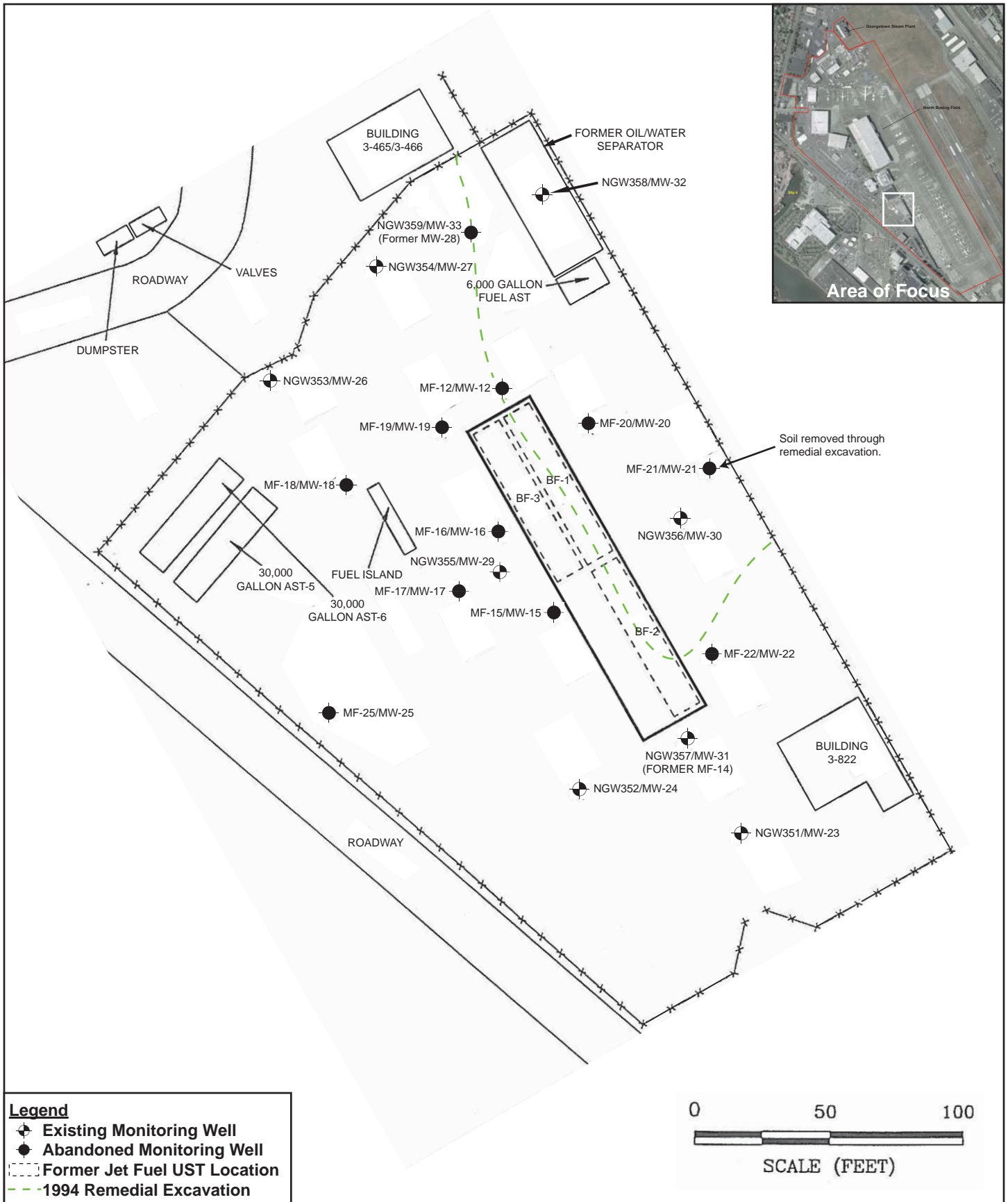


Figure 4-33. Building 3-801 Assessment and Remedial Excavation (1991 - 1992)

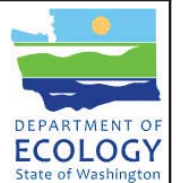




Source: SEACOR, March 1993, December 1994



Figure 4-34. Main Fuel Farm Assessments (1986 - 1991)

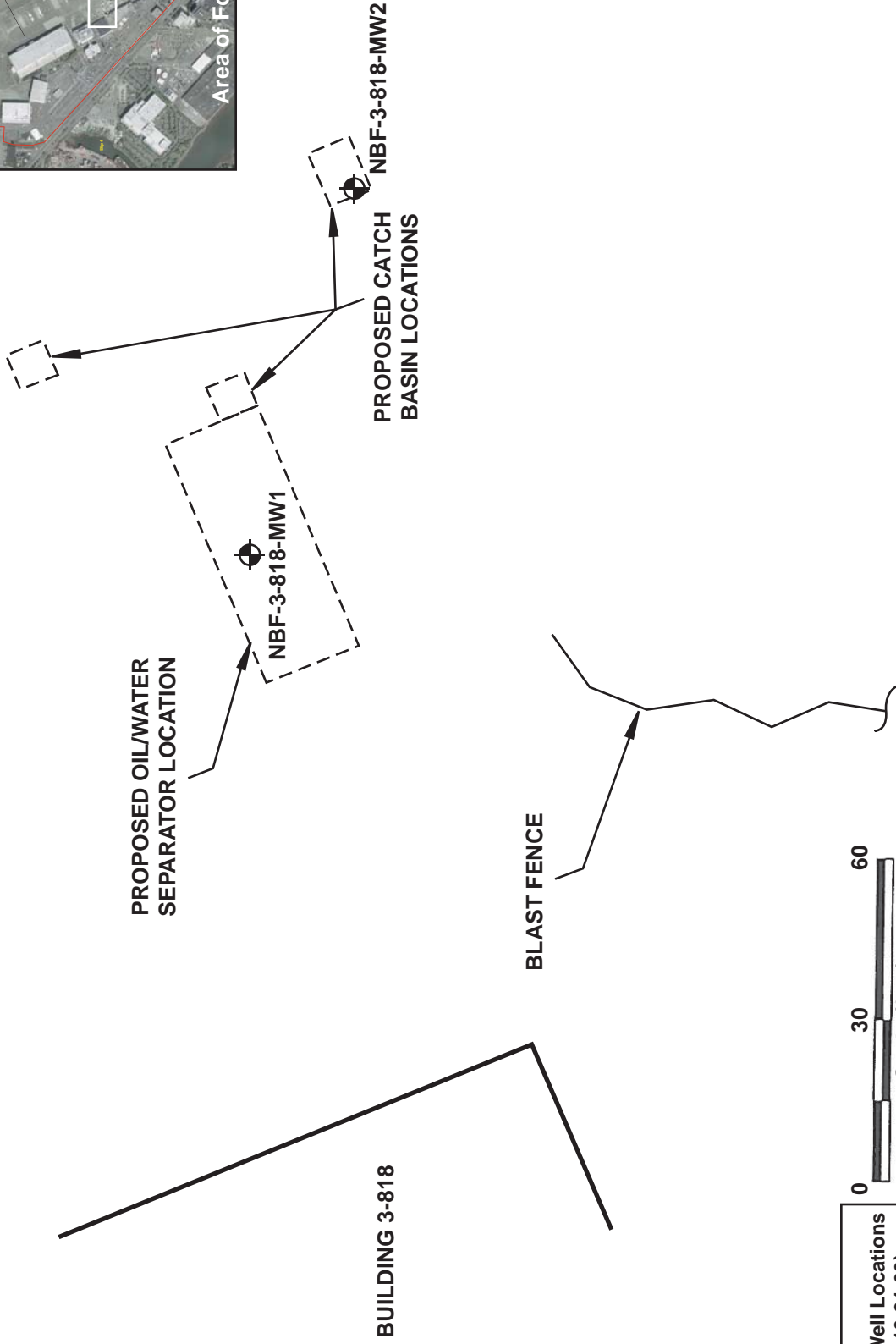





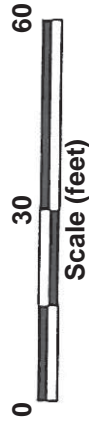
Source: SECOR, December 1994

Figure 4-35. Main Fuel Farm Remedial Excavations and Assessments (1992 - 1994)





**Legend**  
 Monitoring Well Locations (Abandoned 10-21-93)

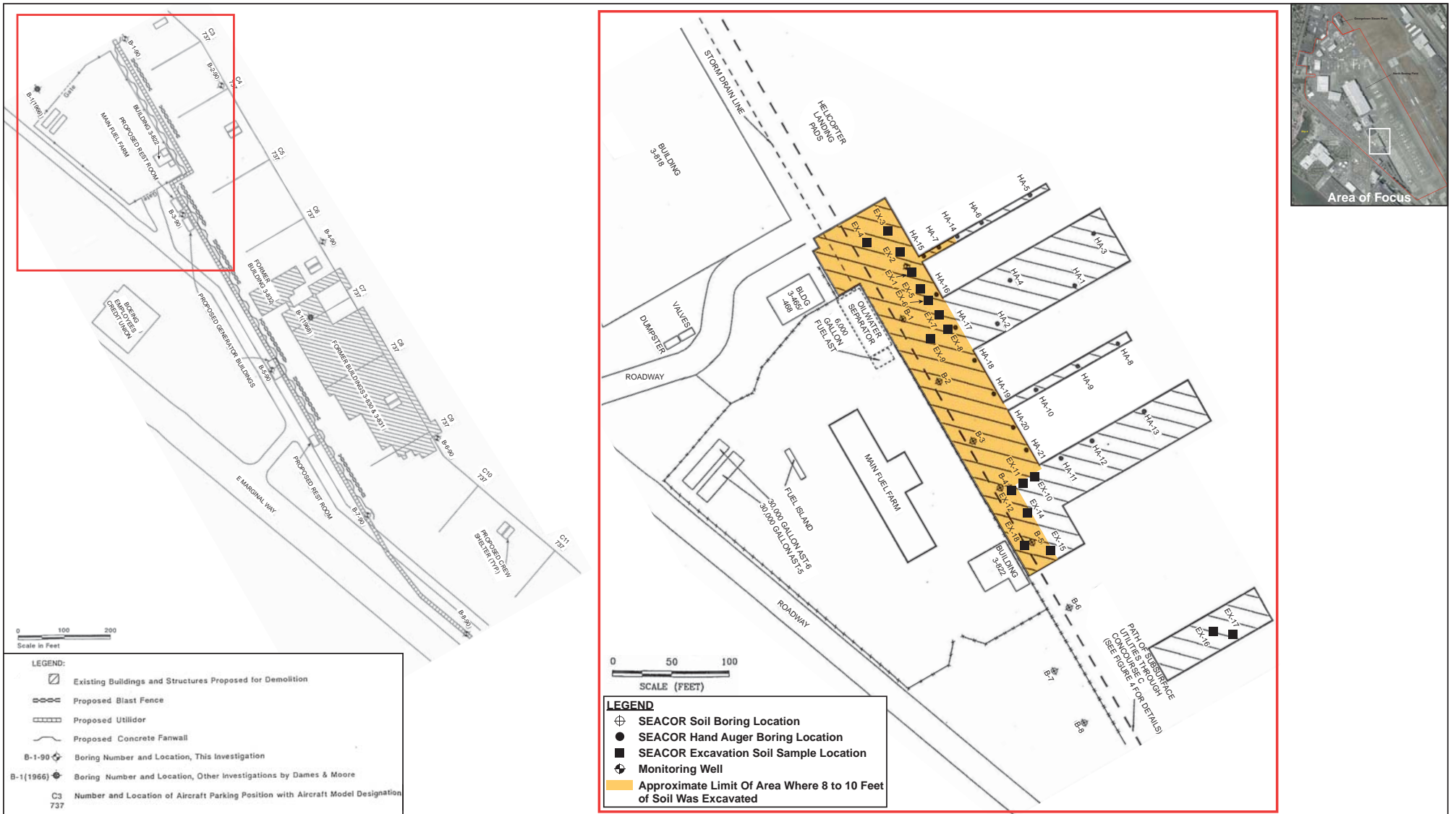


Source: SEACOR, April 1993



**Figure 4-36. Building 3-818 Oil/Water Separator Preconstruction Environmental Assessment (1993)**





Source: Dames & Moore, October 1990; SEACOR, January 1992

**Figure 4-37. Concourse C Assessments and Remedial Excavation (1990 - 1992)**



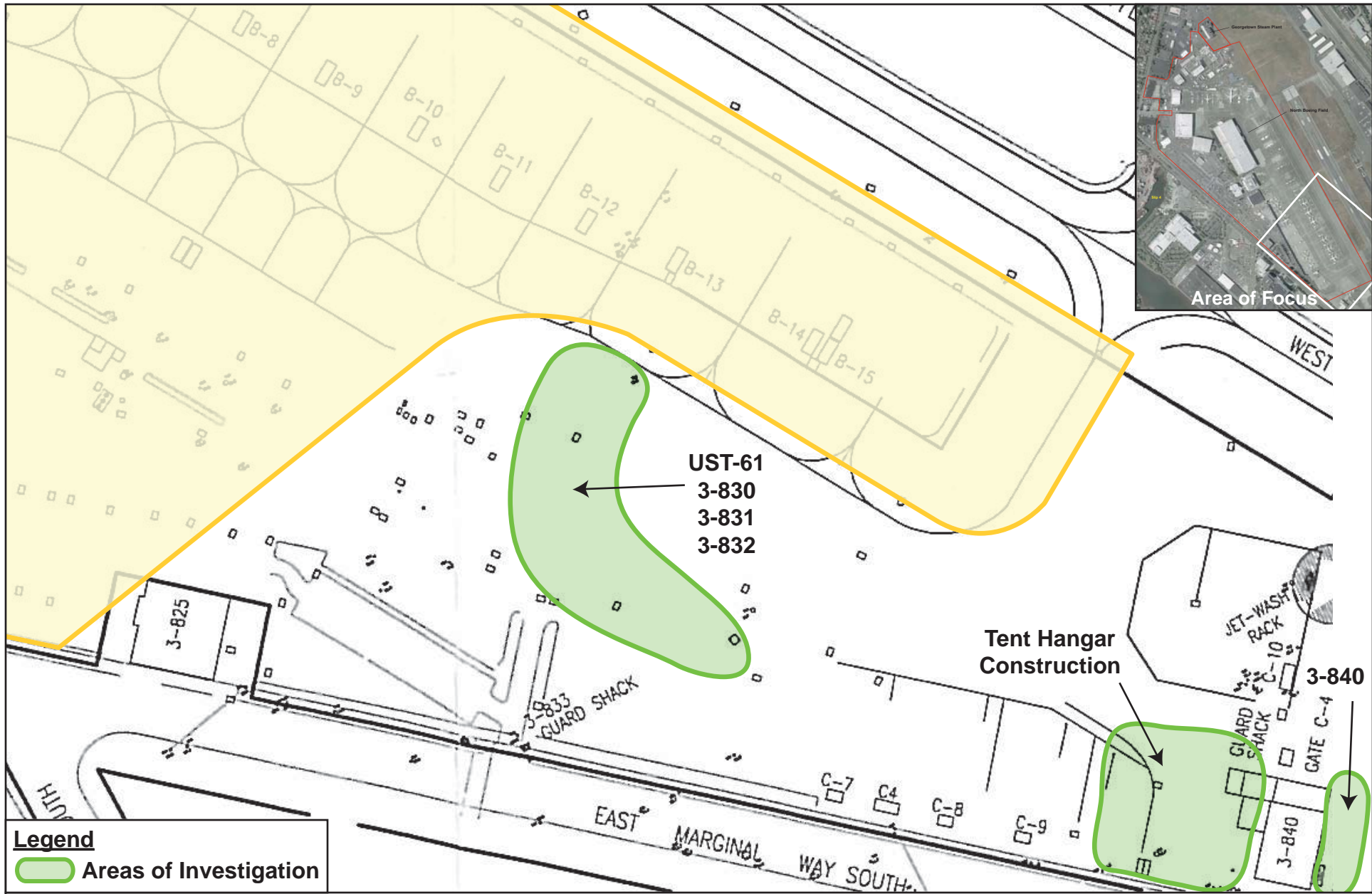
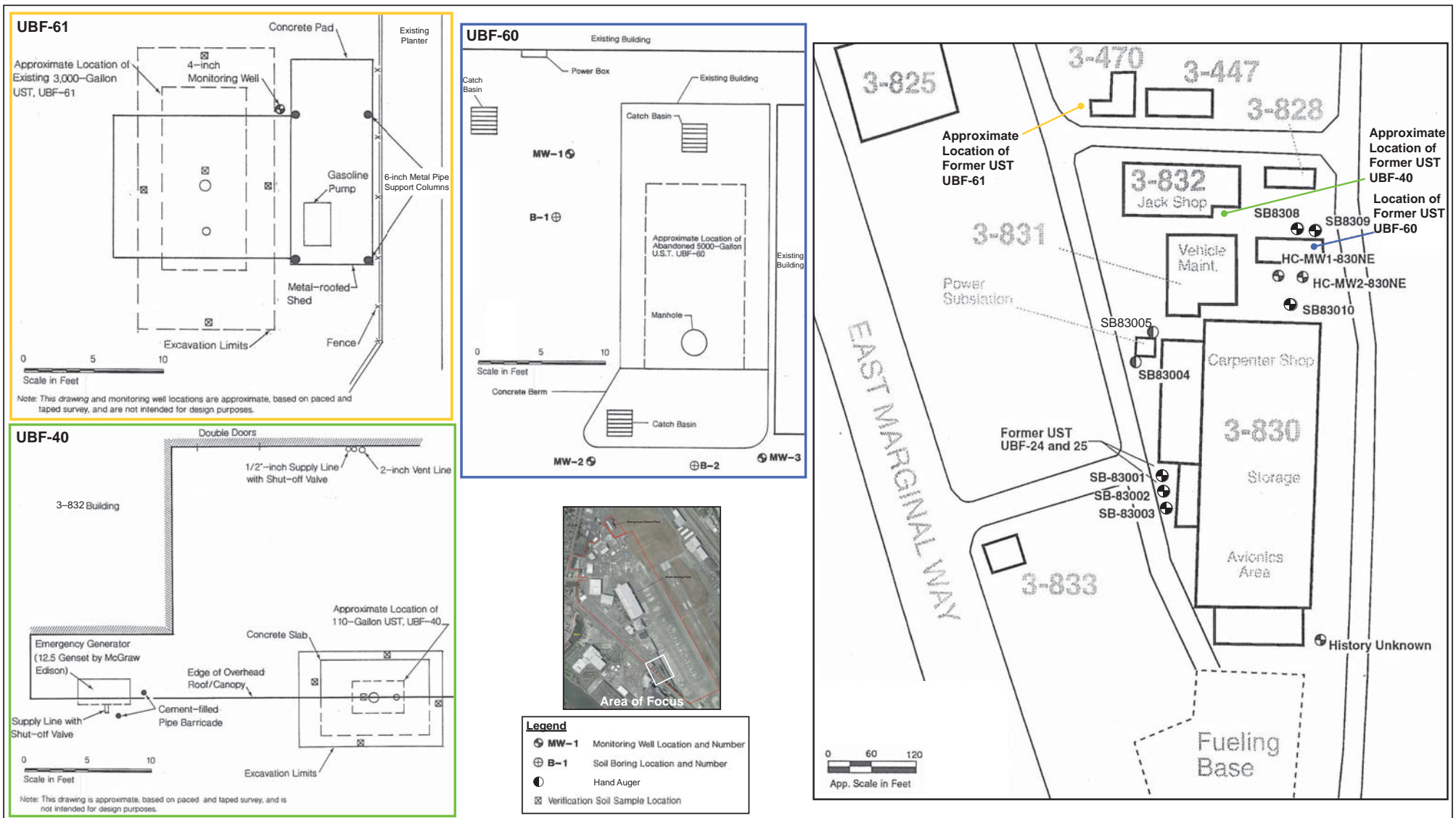


Figure 4-38. Areas of Investigation: Southern Area of North Boeing Field



Source: Hart Crowser, August 7 and 22, 1990; Weston, February 1997

**Figure 4-39. Former Buildings 3-830, 3-831, and 3-832 UST Removals and Assessments (1987, 1989, 1990, and 1997)**





Source: Calibre 2008

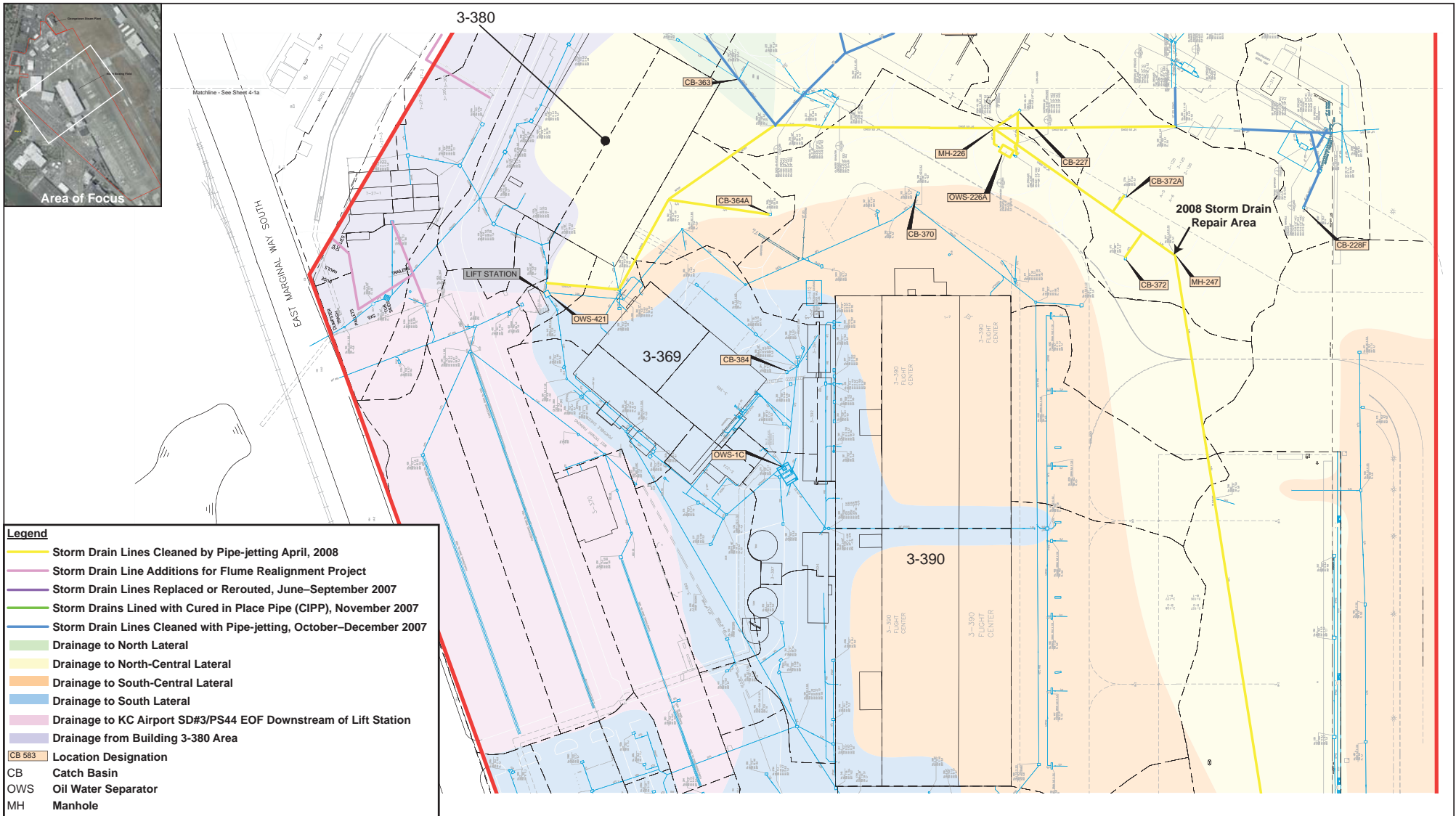


Figure 4-40. Tent Hangar Construction (2008)



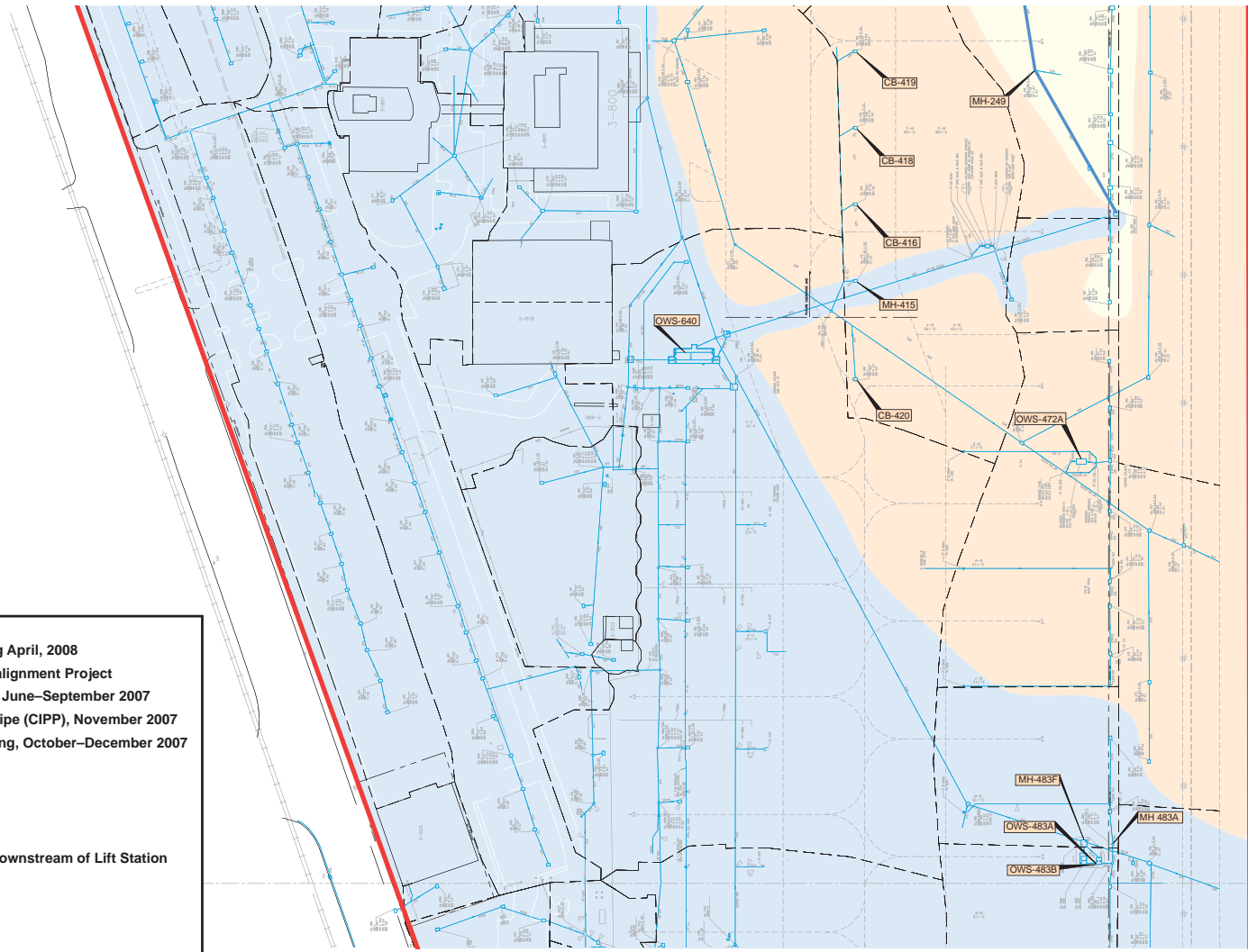






Source: Adapted from Landau 2008

Figure 4–41b. Storm Drain System Sampling Locations and Upgrades



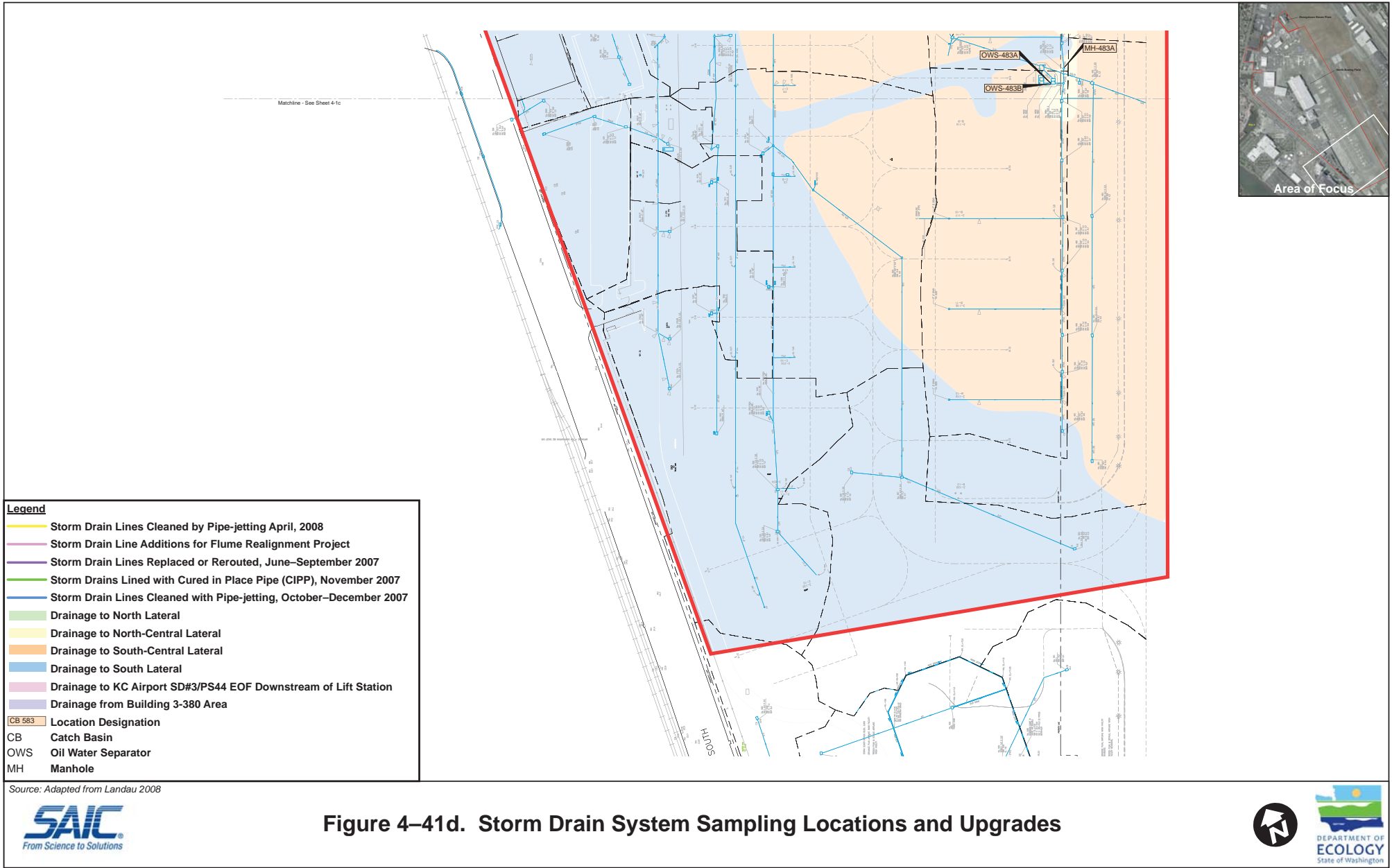
**Legend**

- Storm Drain Lines Cleaned by Pipe-jetting April, 2008
- Storm Drain Line Additions for Flume Realignment Project
- Storm Drain Lines Replaced or Rerouted, June-September 2007
- Storm Drains Lined with Cured in Place Pipe (CIPP), November 2007
- Storm Drain Lines Cleaned with Pipe-jetting, October-December 2007
- Drainage to North Lateral
- Drainage to North-Central Lateral
- Drainage to South-Central Lateral
- Drainage to South Lateral
- Drainage to KC Airport SD#3/PS44 EOF Downstream of Lift Station
- Drainage from Building 3-380 Area
- CB 583 Location Designation
- CB Catch Basin
- OWS Oil Water Separator
- MH Manhole

Source: Adapted from Landau 2008

**Figure 4-41c. Storm Drain System Sampling Locations and Upgrades**












Lower Duwamish Waterway  
Slip 4 Early Action Site

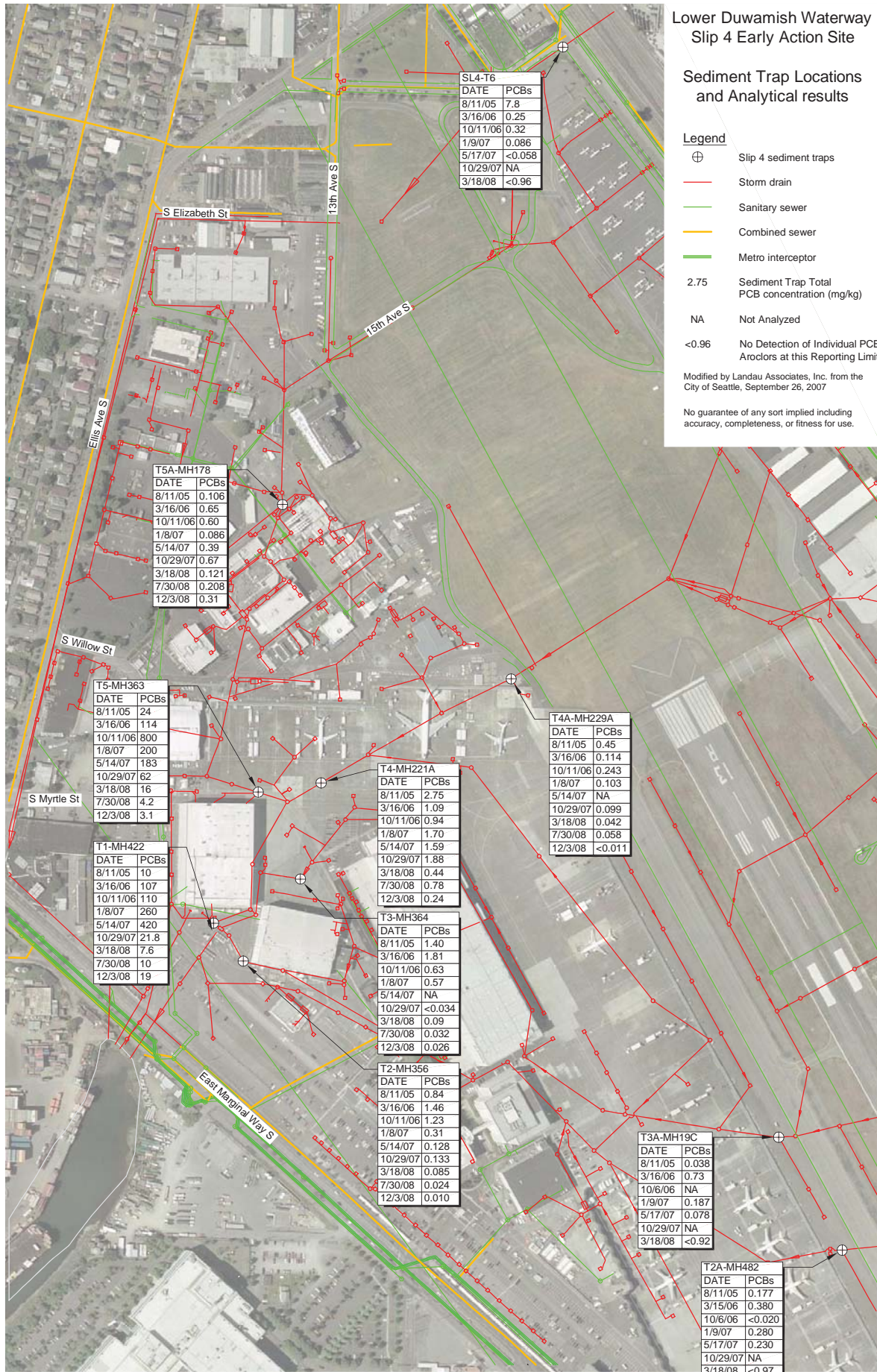
Sediment Trap Locations  
and Analytical results

Legend

-  Slip 4 sediment traps
-  Storm drain
-  Sanitary sewer
-  Combined sewer
-  Metro interceptor
- 2.75 Sediment Trap Total PCB concentration (mg/kg)
- NA Not Analyzed
- <0.96 No Detection of Individual PCB Aroclors at this Reporting Limit

Modified by Landau Associates, Inc. from the City of Seattle, September 26, 2007

No guarantee of any sort implied including accuracy, completeness, or fitness for use.



Source: Bach 2009



Figure 4-42. Sediment Trap Locations and Analytical Results





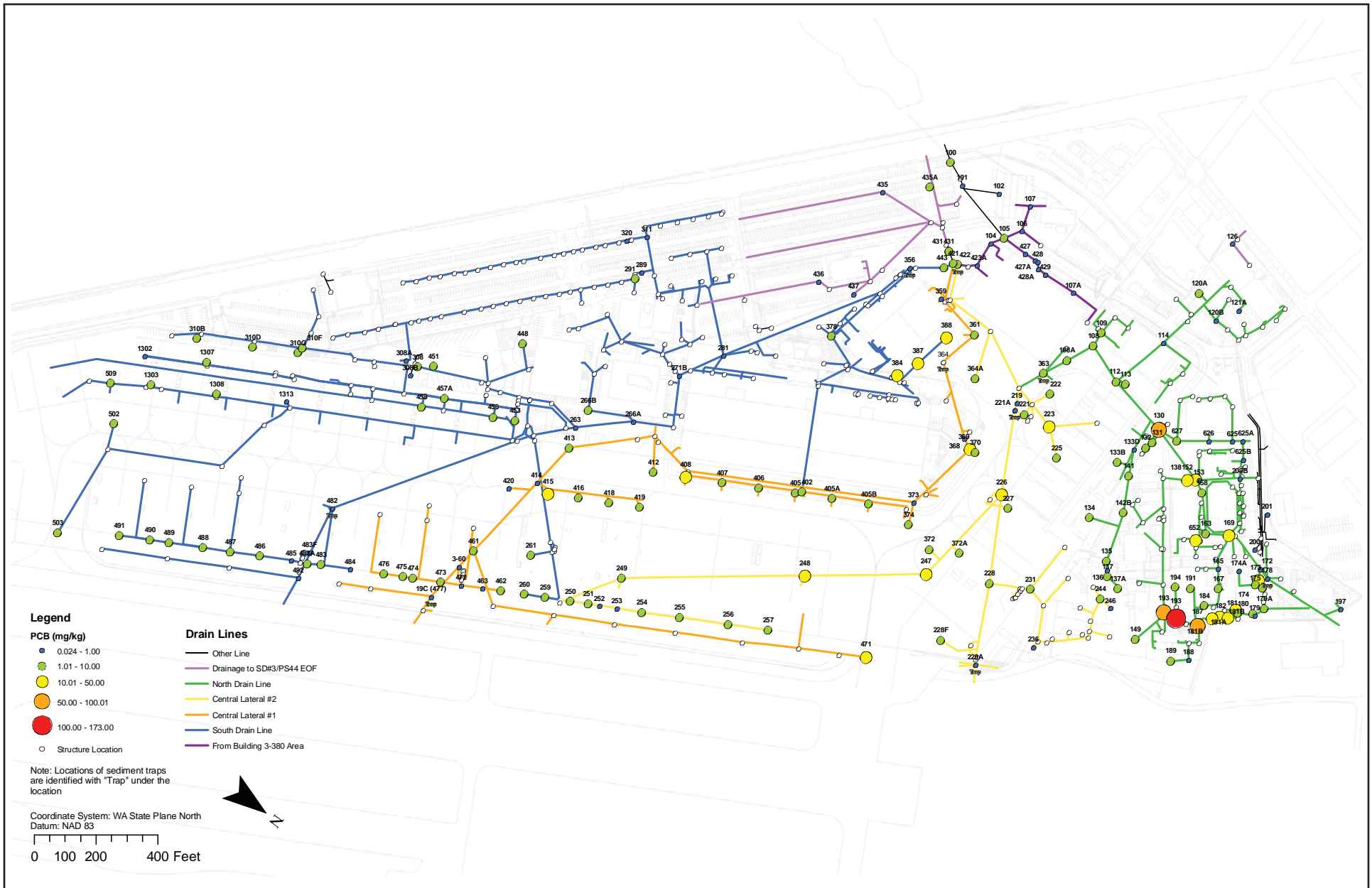
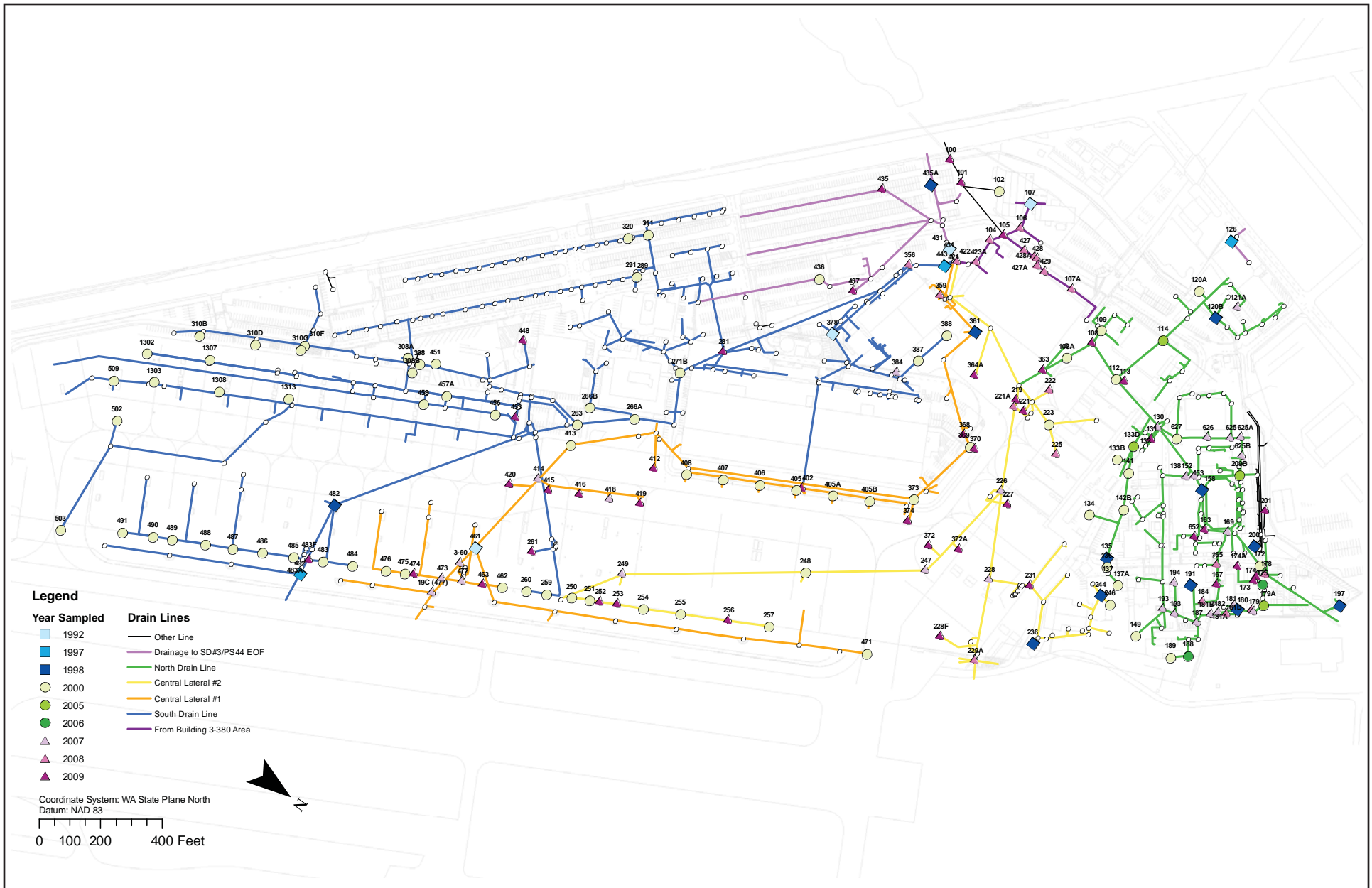


Figure 4-43a. Most Recent PCB Concentrations in Storm Drain Structures  
North Boeing Field



**Figure 4-43b. Most Recent PCB Sampling Dates for Storm Drain Structures  
North Boeing Field**



Source: Landau January 2005; Bach 2009a



**Figure 4-44. Concrete Joint Material Removal Areas (2002 - 2006)**







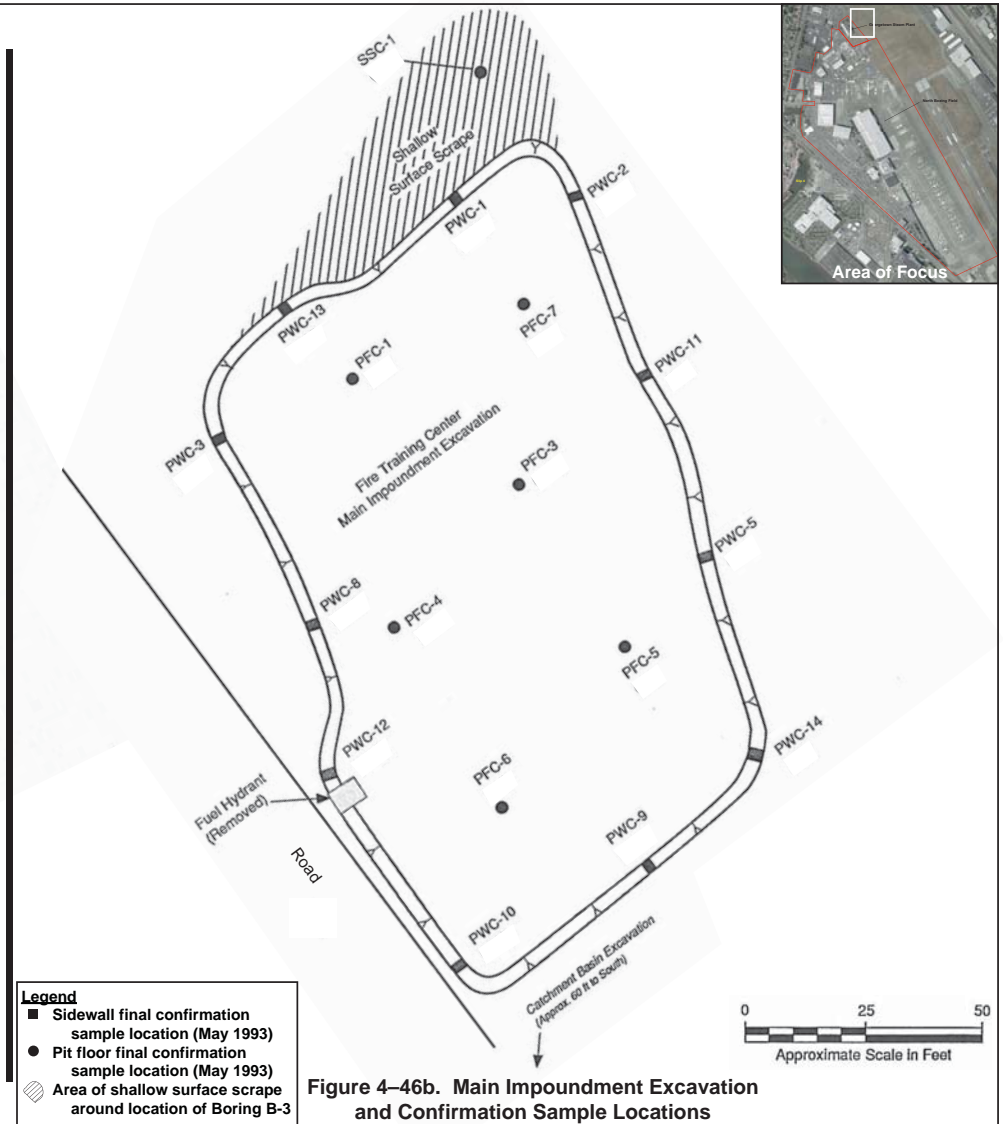
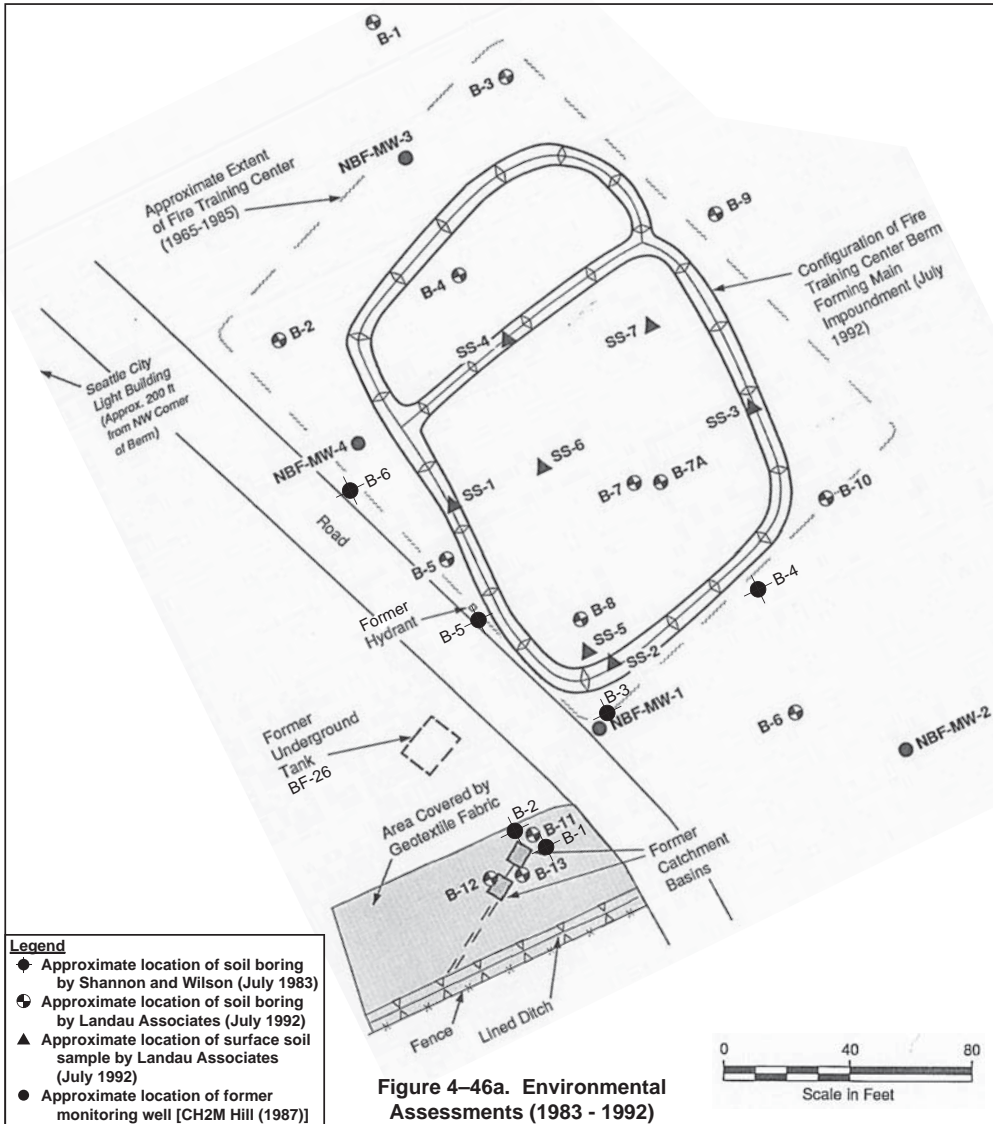
**Legend**  
 — Approximate Joint Material Sample Location

Source: Landau October 2008



Figure 4-45. Concrete Joint Material Sample Locations (2008)





Source: CH2M Hill, 1987; Landau Associates, Inc., October 1992, May 1993, August 1993, November 1998; Shannon and Wilson, July 1983

**Figure 4-46. North Boeing Field Fire Training Center**



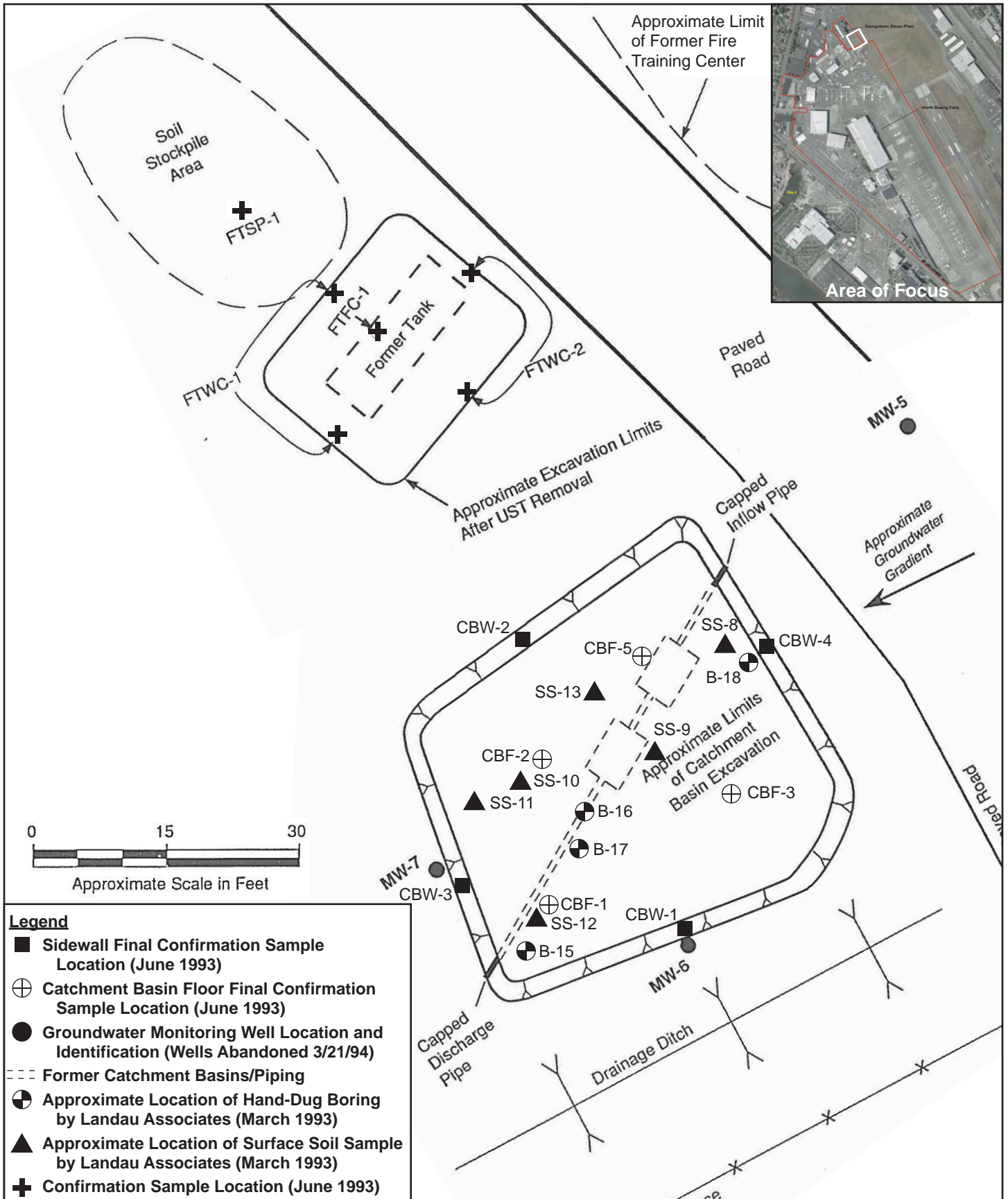
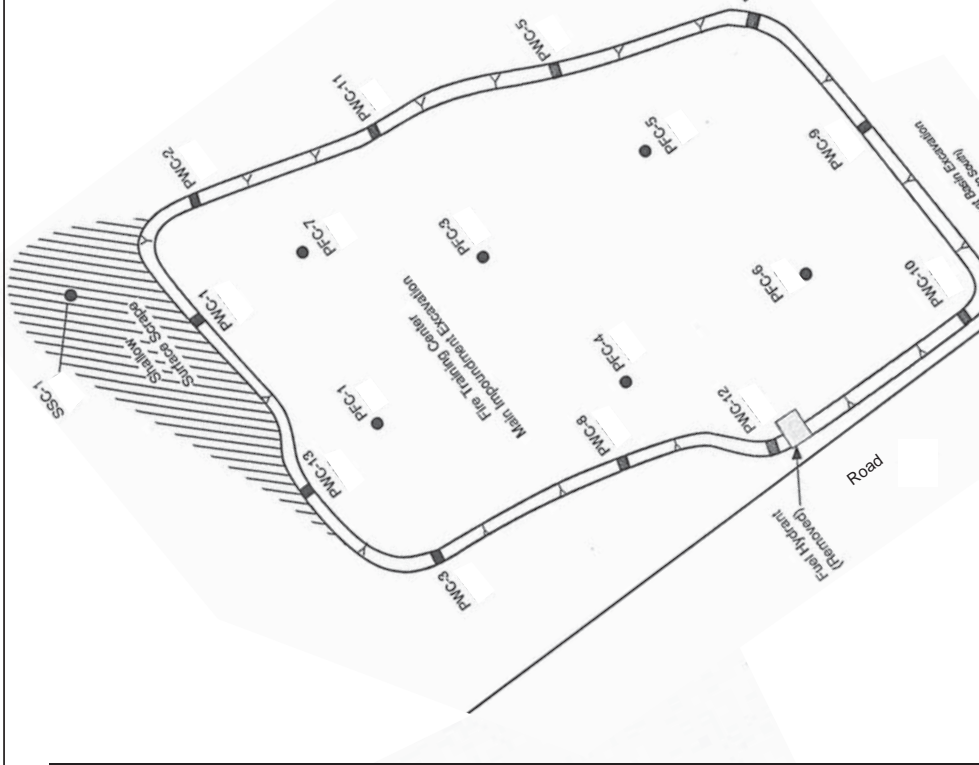
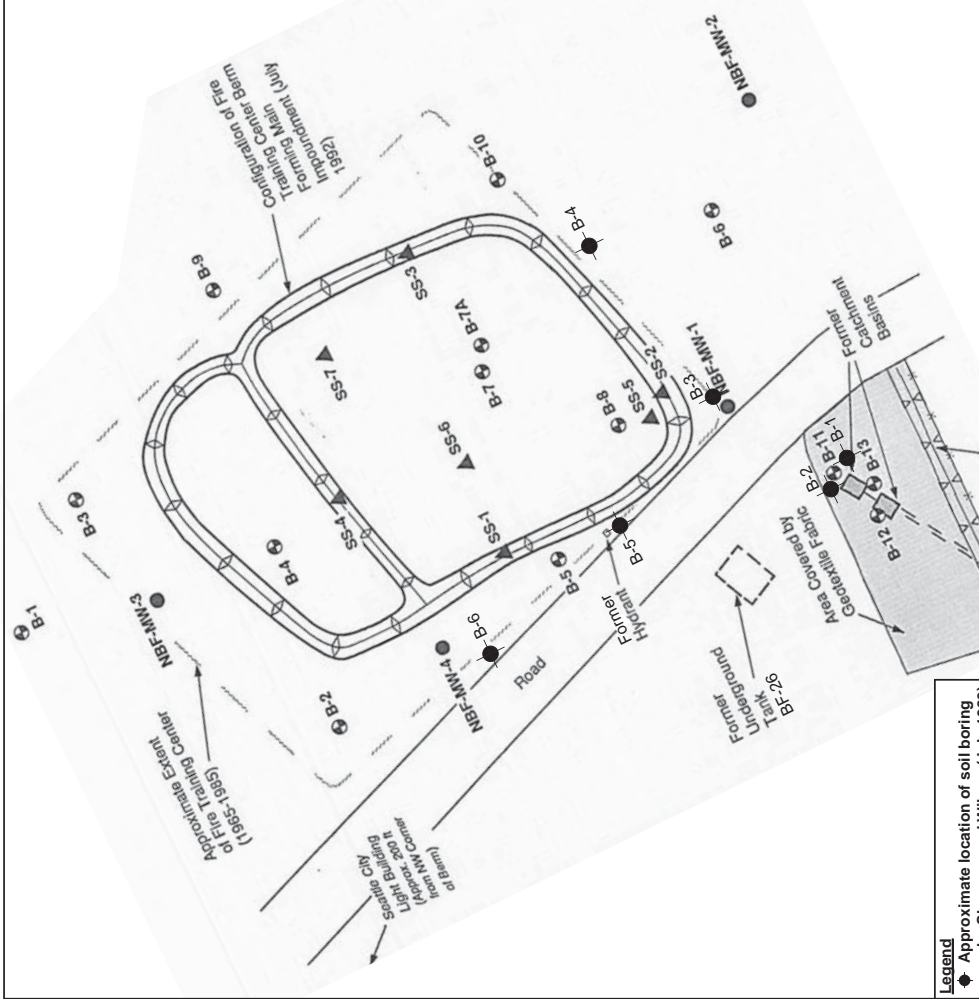


Figure 4-47. Fire Training Center UST and Catchment Basin Samples



- Legend**
- Sidewall final confirmation sample location (May 1993)
  - Pit floor final confirmation sample location (May 1993)
  - ▨ Area of shallow surface scrape around location of Boring B-3

Figure 4-46b. Main Impoundment Excavation and Confirmation Sample Locations



- Legend**
- Approximate location of soil boring by Shannon and Wilson (July 1983)
  - ⊕ Approximate location of soil boring by Landau Associates (July 1992)
  - ▲ Approximate location of surface soil sample by Landau Associates (July 1992)
  - Approximate location of former monitoring well [CH2M Hill (1987)]

Figure 4-46a. Environmental Assessments (1983 - 1992)

Source: CH2M Hill, 1987; Landau Associates, Inc., October 1992, May 1993, August 1993, November 1998; Shannon and Wilson, July 1983



## Figure 5-1. North Boeing Field Fire Training Center



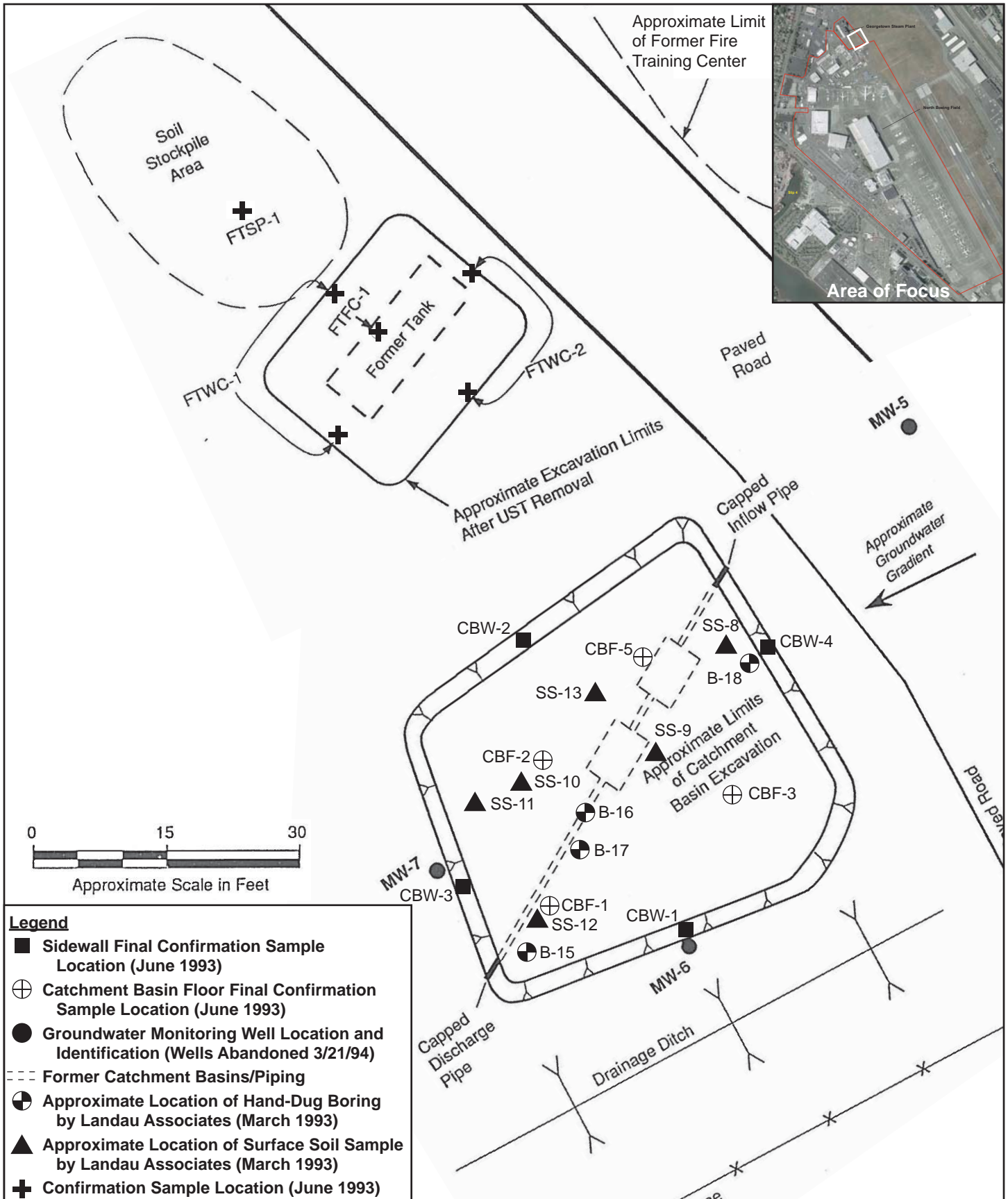


Figure 5-2. Fire Training Center UST and Catchment Basin Samples



## **Tables**



**Table 3-1**  
**GTSP: Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Concentration (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
T-42	8/28/1984		PCB, total	1662	0.5	B, Carc	Yes	1.3	V	Yes	Raven 11/1984
D-67	8/28/1984		PCB, total	403	0.5	B, Carc	Yes	1.3	V	Yes	Raven 11/1984
D-61	8/23/1984		PCB, total	4.05	0.5	B, Carc	Yes	1.3	V	Yes	Raven 11/1984
D-60	8/23/1984		PCB, total	1.61	0.5	B, Carc	Yes	1.3	V	Yes	Raven 11/1984
D-52	8/8/1984		PCB, total	1.53	0.5	B, Carc	Yes	1.3	V	Yes	Raven 11/1984
D-6	8/21/1984		PCB, total	1.52	0.5	B, Carc	Yes	1.3	V	Yes	Raven 11/1984
D-62	8/23/1984		PCB, total	1.28	0.5	B, Carc	Yes	1.3	V	No	Raven 11/1984
D-4	8/8/1984		PCB, total	1.21	0.5	B, Carc	Yes	1.3	V	No	Raven 11/1984
D-3	8/8/1984		PCB, total	0.69	0.5	B, Carc	Yes	1.3	V	No	Raven 11/1984
D-2	8/8/1984		PCB, total	0.56	0.5	B, Carc	Yes	1.3	V	No	Raven 11/1984
B-23	4/1/1985	6.7	Aroclor 1254	0.8	1.6	B, NC	No	0.065	S	Yes	Raven 5/20/85
B-24	4/1/1985	6.0	Aroclor 1254	0.6	1.6	B, NC	No	0.065	S	Yes	Raven 5/20/85
B-21	3/29/1985	4.1	PCB, total	7.7	0.5	B, Carc	Yes	1.3	V	Yes	Raven 5/20/85
B-23	4/1/1985	6.7	PCB, total	0.8	0.5	B, Carc	Yes	0.065	S	Yes	Raven 5/20/85
B-24	4/1/1985	6.0	PCB, total	0.6	0.5	B, Carc	Yes	0.065	S	Yes	Raven 5/20/85
B-28	4/1/1985	7.7	PCB, total	0.6	0.5	B, Carc	Yes	0.065	S	No	Raven 5/20/85
26	10/22/1985		Aroclor 1248	11	NA	NA	NA	1.3	V	Yes	AB Consulting, Inc. 2/3/86
28	10/22/1985		Aroclor 1248	10	NA	NA	NA	1.3	V	Yes	AB Consulting, Inc. 2/3/86
27	10/22/1985		Aroclor 1248	3.0	NA	NA	NA	1.3	V	Yes	AB Consulting, Inc. 2/3/86
Composite #2 (9,10,13,14,18,19,20)	10/11/1985		Aroclor 1254	220	1.6	B, NC	Yes	1.3	V	Yes	AB Consulting, Inc. 2/3/86
Composite #1 (7,8,11,12,15,16,17)	10/10/1985		Aroclor 1254	190	1.6	B, NC	Yes	1.3	V	Yes	AB Consulting, Inc. 2/3/86
1	10/10/1985		Aroclor 1254	3.7	1.6	B, NC	Yes	1.3	V	Yes	AB Consulting, Inc. 2/3/86
6a	10/16/1985		Aroclor 1254	3.4	1.6	B, NC	Yes	1.3	V	Yes	AB Consulting, Inc. 2/3/86
4a	10/16/1985		Aroclor 1254	2.8	1.6	B, NC	Yes	1.3	V	Yes	AB Consulting, Inc. 2/3/86
5	10/10/1985		Aroclor 1254	1.4	1.6	B, NC	No	1.3	V	Yes	AB Consulting, Inc. 2/3/86
GX-68	10/12/1987	21.0	Heavy Oil Range Hydrocarbons	60000	2000	A	Yes	NA	NA	NA	Raven 2/17/88
GX-40	10/12/1987	14.0	Heavy Oil Range Hydrocarbons	3660	2000	A	Yes	NA	NA	NA	Raven 2/17/88
Composite #2 (9,10,13,14,18,19,20)	10/11/1985		PCB, total	220	0.5	B, Carc	Yes	1.3	V	Yes	AB Consulting, Inc. 2/3/86
Composite #1 (7,8,11,12,15,16,17)	10/10/1985		PCB, total	190	0.5	B, Carc	Yes	1.3	V	Yes	AB Consulting, Inc. 2/3/86
26	10/22/1985		PCB, total	11	0.5	B, Carc	Yes	1.3	V	Yes	AB Consulting, Inc. 2/3/86
28	10/22/1985		PCB, total	10	0.5	B, Carc	Yes	1.3	V	Yes	AB Consulting, Inc. 2/3/86
1	10/10/1985		PCB, total	3.7	0.5	B, Carc	Yes	1.3	V	Yes	AB Consulting, Inc. 2/3/86
6a	10/16/1985		PCB, total	3.4	0.5	B, Carc	Yes	1.3	V	Yes	AB Consulting, Inc. 2/3/86
27	10/22/1985		PCB, total	3.0	0.5	B, Carc	Yes	1.3	V	Yes	AB Consulting, Inc. 2/3/86
4a	10/16/1985		PCB, total	2.8	0.5	B, Carc	Yes	1.3	V	Yes	AB Consulting, Inc. 2/3/86
5	10/10/1985		PCB, total	1.4	0.5	B, Carc	Yes	1.3	V	Yes	AB Consulting, Inc. 2/3/86
23	10/10/1985		PCB, total	1.0	0.5	B, Carc	Yes	1.3	V	No	AB Consulting, Inc. 2/3/86
1	3/22/1989	10	Total Petroleum Hydrocarbons	2459.6	2000	A	Yes	NA	NA	NA	PT Lab 3/27/89
FOU-1	9/19/2001	7.5	2-Methylnaphthalene	3	320	B, NC	No	0.073	S	Yes	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Acenaphthene	0.57	4800	B, NC	No	0.060	S	Yes	Bridgewater Group 3/29/02
RR-4	9/19/2001	0.5	Aroclor 1254	2.7	1.6	B, NC	Yes	1.3	V	Yes	Bridgewater Group 3/29/02
BD-2	9/19/2001	5.0	Arsenic	6	0.67	B, Carc	Yes	12000	V	No	Bridgewater Group 3/29/02
BFP-1	9/19/2001	3.0	Arsenic	6	0.67	B, Carc	Yes	12000	V	No	Bridgewater Group 3/29/02

**Table 3-1**  
**GTSP: Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Concentration (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
FOU-1	9/19/2001	7.5	Benzo(a)anthracene	0.78	NA	NA	NA	0.27	S	Yes	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	Benzo(a)pyrene	0.63	0.137	B, Carc	Yes	4.2	V	No	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Benzo(a)pyrene	0.38	0.137	B, Carc	Yes	0.21	S	Yes	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Benzo(a)pyrene	0.32	0.137	B, Carc	Yes	4.2	V	No	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Benzo(a)pyrene	0.22	0.137	B, Carc	Yes	4.2	V	No	Bridgewater Group 3/29/02
BFP-1	9/19/2001	3.0	Chromium	27.6	19	A, Chromium VI	Yes	5400	V	No	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Chrysene	1.2	NA	NA	NA	0.46	S	Yes	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Dibenzofuran	0.18	160	B, NC	No	0.059	S	Yes	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Diesel Range Hydrocarbons	12000	2000	A	Yes	NA	NA	NA	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Diesel Range Hydrocarbons	4200	2000	A	Yes	NA	NA	NA	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Fluorene	0.6	3200	B, NC	No	0.081	S	Yes	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Gasoline Range Hydrocarbons	290	30	A	Yes	NA	NA	NA	Bridgewater Group 3/29/02
LLA-3	9/19/2001	6.0	Gasoline Range Hydrocarbons	240	30	A	Yes	NA	NA	NA	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Heavy Oil Range Hydrocarbons	5800	2000	A	Yes	NA	NA	NA	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Heavy Oil Range Hydrocarbons	2200	2000	A	Yes	NA	NA	NA	Bridgewater Group 3/29/02
BD-2	9/19/2001	5.0	Mercury	1.1	2	A	No	0.59	V	Yes	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Naphthalene	0.72	5	A	No	0.20	S	Yes	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	PAHs, total carcinogenic	3.98	0.14	B, Carc	Yes	NA	NA	NA	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	PAHs, total carcinogenic	2.98	0.14	B, Carc	Yes	NA	NA	NA	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	PAHs, total carcinogenic	2.26	0.14	B, Carc	Yes	NA	NA	NA	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	PAHs, total carcinogenic	1.4	0.14	B, Carc	Yes	NA	NA	NA	Bridgewater Group 3/29/02
CCS-4	9/19/2001	1.0	PAHs, total carcinogenic	0.89	0.14	B, Carc	Yes	NA	NA	NA	Bridgewater Group 3/29/02
LLA-1	9/19/2001	5.5	PCB, total	8.27	0.5	B, Carc	Yes	1.3	V	Yes	Bridgewater Group 3/29/02
RR-4	9/19/2001	0.5	PCB, total	4.32	0.5	B, Carc	Yes	1.3	V	Yes	Bridgewater Group 3/29/02
RR-3	9/19/2001	0.5	PCB, total	0.79	0.5	B, Carc	Yes	1.3	V	No	Bridgewater Group 3/29/02
RR-2	9/19/2001	0.5	PCB, total	0.53	0.5	B, Carc	Yes	1.3	V	No	Bridgewater Group 3/29/02
OVS-1	9/19/2001	9.0	PCB, total	0.22	0.5	B, Carc	No	0.065	S	Yes	Bridgewater Group 3/29/02
OVS-2	9/19/2001	9.0	PCB, total	0.21	0.5	B, Carc	No	0.065	S	Yes	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Phenanthrene	2.2	NA	NA	NA	0.49	S	Yes	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Pyrene	1.6	2400	B, NC	No	1.4	S	Yes	Bridgewater Group 3/29/02
S-19 (SCL-J6-B1)	1/27/2006		Aroclor 1254	3900	1.6	B, NC	Yes	1.3	V	Yes	Integral 6/8/06
S-19 (SCL-J6-B1)	1/27/2006		Aroclor 1254	1800 E, P	1.6	B, NC	Yes	1.3	V	Yes	Integral 6/8/06
S-19 (SCL-J6-F1)	1/26/2006		Aroclor 1254	410	1.6	B, NC	Yes	1.3	V	Yes	Integral 6/8/06
S-20 (SCL-J7-S1)	1/26/2006		Aroclor 1254	78	1.6	B, NC	Yes	1.3	V	Yes	Integral 6/8/06
S-20 (SCL-J7-B1)	1/26/2006		Aroclor 1254	63	1.6	B, NC	Yes	1.3	V	Yes	Integral 6/8/06
S-20 (SCL-J7-F1)	1/26/2006		Aroclor 1254	58	1.6	B, NC	Yes	1.3	V	Yes	Integral 6/8/06
S-15 (SCL-J2-B1)	1/27/2006		Aroclor 1254	36	1.6	B, NC	Yes	1.3	V	Yes	Integral 6/8/06
S-16 (SCL-J3-B1)	1/27/2006		Aroclor 1254	28	1.6	B, NC	Yes	1.3	V	Yes	Integral 6/8/06
S-18 (SCL-J5-F1)	1/26/2006		Aroclor 1254	28	1.6	B, NC	Yes	1.3	V	Yes	Integral 6/8/06
S-16 (SCL-J3-B1)	1/27/2006		Aroclor 1254	24 E	1.6	B, NC	Yes	1.3	V	Yes	Integral 6/8/06
S-18 (SCL-J5-B1)	1/27/2006		Aroclor 1254	16	1.6	B, NC	Yes	1.3	V	Yes	Integral 6/8/06
S-15 (SCL-J2-F1)	1/26/2006		Aroclor 1254	11	1.6	B, NC	Yes	1.3	V	Yes	Integral 6/8/06
S-17 (SCL-J4-B1)	1/27/2006		Aroclor 1254	7.0	1.6	B, NC	Yes	1.3	V	Yes	Integral 6/8/06
S-16 (SCL-J3-F1)	1/26/2006		Aroclor 1254	6.0	1.6	B, NC	Yes	1.3	V	Yes	Integral 6/8/06
S-17 (SCL-J4-B1)	1/27/2006		Aroclor 1254	5.4 E	1.6	B, NC	Yes	1.3	V	Yes	Integral 6/8/06
S-17 (SCL-J4-F1)	1/26/2006		Aroclor 1254	5.0	1.6	B, NC	Yes	1.3	V	Yes	Integral 6/8/06
S-19 (SCL-J6-S1)	1/26/2006		Aroclor 1254	2.6	1.6	B, NC	Yes	1.3	V	Yes	Integral 6/8/06

**Table 3-1**  
**GTSP: Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Concentration (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
S-18 (SCL-J5-F1)	1/26/2006		Benzo(a)pyrene	0.380	0.137	B, Carc	Yes	4.2	V	No	Integral 6/8/06
S-16 (SCL-J3-F1)	1/26/2006		Benzo(a)pyrene	0.220	0.137	B, Carc	Yes	4.2	V	No	Integral 6/8/06
S-18 (SCL-J5-F1)	1/26/2006		PAHs, total carcinogenic	0.50	0.14	B, Carc	Yes	NA	NA	NA	Integral 6/8/06
S-16 (SCL-J3-F1)	1/26/2006		PAHs, total carcinogenic	0.299	0.14	B, Carc	Yes	NA	NA	NA	Integral 6/8/06
S-20 (SCL-J7-S1)	1/26/2006		PAHs, total carcinogenic	0.18	0.14	B, Carc	Yes	NA	NA	NA	Integral 6/8/06
S-19 (SCL-J6-B1)	1/27/2006		PCB, total	3900	0.5	B, Carc	Yes	1.3	V	Yes	Integral 6/8/06
S-19 (SCL-J6-F1)	1/26/2006		PCB, total	410	0.5	B, Carc	Yes	1.3	V	Yes	Integral 6/8/06
S-20 (SCL-J7-S1)	1/26/2006		PCB, total	78	0.5	B, Carc	Yes	1.3	V	Yes	Integral 6/8/06
S-20 (SCL-J7-B1)	1/26/2006		PCB, total	63	0.5	B, Carc	Yes	1.3	V	Yes	Integral 6/8/06
S-20 (SCL-J7-F1)	1/26/2006		PCB, total	58	0.5	B, Carc	Yes	1.3	V	Yes	Integral 6/8/06
S-15 (SCL-J2-B1)	1/27/2006		PCB, total	36	0.5	B, Carc	Yes	1.3	V	Yes	Integral 6/8/06
S-16 (SCL-J3-B1)	1/27/2006		PCB, total	28	0.5	B, Carc	Yes	1.3	V	Yes	Integral 6/8/06
S-18 (SCL-J5-F1)	1/26/2006		PCB, total	28	0.5	B, Carc	Yes	1.3	V	Yes	Integral 6/8/06
S-18 (SCL-J5-B1)	1/27/2006		PCB, total	16	0.5	B, Carc	Yes	1.3	V	Yes	Integral 6/8/06
S-15 (SCL-J2-F1)	1/26/2006		PCB, total	11	0.5	B, Carc	Yes	1.3	V	Yes	Integral 6/8/06
S-17 (SCL-J4-B1)	1/27/2006		PCB, total	7.0	0.5	B, Carc	Yes	1.3	V	Yes	Integral 6/8/06
S-16 (SCL-J3-F1)	1/26/2006		PCB, total	6.0	0.5	B, Carc	Yes	1.3	V	Yes	Integral 6/8/06
S-17 (SCL-J4-F1)	1/26/2006		PCB, total	5.0	0.5	B, Carc	Yes	1.3	V	Yes	Integral 6/8/06
S-19 (SCL-J6-S1)	1/26/2006		PCB, total	2.6	0.5	B, Carc	Yes	1.3	V	Yes	Integral 6/8/06
SCL-1A08	5/16/2006	2.5	Aroclor 1254	3800	1.6	B, NC	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A09	5/16/2006	2.5	Aroclor 1254	2500	1.6	B, NC	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A10	5/16/2006	2.5	Aroclor 1254	2000	1.6	B, NC	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A06	5/16/2006	2.2	Aroclor 1254	1100	1.6	B, NC	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A07	5/16/2006	2.6	Aroclor 1254	930	1.6	B, NC	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A01	5/16/2006	1	Aroclor 1254	890	1.6	B, NC	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A04	5/16/2006	1.4	Aroclor 1254	160	1.6	B, NC	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A03	5/16/2006	1	Aroclor 1254	140	1.6	B, NC	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A11	5/16/2006	2.5	Aroclor 1254	120	1.6	B, NC	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A21	5/17/2006	3.2	Aroclor 1254	120	1.6	B, NC	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A05	5/16/2006	1.8	Aroclor 1254	110	1.6	B, NC	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A12	5/16/2006	2.5	Aroclor 1254	62	1.6	B, NC	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A02	5/16/2006	1	Aroclor 1254	15	1.6	B, NC	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A15	5/17/2006	2.7	Aroclor 1254	2.2	1.6	B, NC	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A25	5/18/2006	2.6	Aroclor 1254	1.4	1.6	B, NC	No	1.3	V	Yes	Integral 8/4/06
SCL-1A29	5/18/2006	3.0	Aroclor 1254	1.4	1.6	B, NC	No	1.3	V	Yes	Integral 8/4/06
SCL-1A08	5/16/2006	2.5	PCB, total	3800	0.5	B, Carc	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A09	5/16/2006	2.5	PCB, total	2500	0.5	B, Carc	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A10	5/16/2006	2.5	PCB, total	2000	0.5	B, Carc	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A06	5/16/2006	2.2	PCB, total	1100	0.5	B, Carc	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A07	5/16/2006	2.6	PCB, total	930	0.5	B, Carc	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A01	5/16/2006	1	PCB, total	890	0.5	B, Carc	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A04	5/16/2006	1.4	PCB, total	160	0.5	B, Carc	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A03	5/16/2006	1	PCB, total	140	0.5	B, Carc	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A11	5/16/2006	2.5	PCB, total	120	0.5	B, Carc	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A21	5/17/2006	3.2	PCB, total	120	0.5	B, Carc	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A05	5/16/2006	1.8	PCB, total	110	0.5	B, Carc	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A12	5/16/2006	2.5	PCB, total	62	0.5	B, Carc	Yes	1.3	V	Yes	Integral 8/4/06

**Table 3-1**  
**GTSP: Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Concentration (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
SCL-1A02	5/16/2006	1	PCB, total	15	0.5	B, Carc	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A15	5/17/2006	2.7	PCB, total	2.2	0.5	B, Carc	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A25	5/18/2006	2.6	PCB, total	1.4	0.5	B, Carc	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A29	5/18/2006	3.0	PCB, total	1.4	0.5	B, Carc	Yes	1.3	V	Yes	Integral 8/4/06
SCL-1A17	5/17/2006	2.7	PCB, total	1.3	0.5	B, Carc	Yes	1.3	V	No	Integral 8/4/06
SCL-1A27	5/18/2006	2.8	PCB, total	1.2	0.5	B, Carc	Yes	1.3	V	No	Integral 8/4/06
GTSP08-8-5.5-7	9/15/2008	5.5	Aroclor 1248	2.8	NA	NA	NA	0.065	S	Yes	Landau 10/31/08
GTSP08-13-7-9	9/15/2008	7.0	Aroclor 1248	0.074	NA	NA	NA	0.065	S	Yes	Landau 10/31/08
GTSP08-8-5.5-7	9/15/2008	5.5	Aroclor 1254	3.4	1.6	B, NC	Yes	0.065	S	Yes	Landau 10/31/08
GTSP08-13-7-9	9/15/2008	7.0	Aroclor 1254	0.11	1.6	B, NC	No	0.065	S	Yes	Landau 10/31/08
GTSP08-8-5.5-7	9/15/2008	5.5	PCB, total	6.2	0.5	B, Carc	Yes	0.065	S	Yes	Landau 10/31/08
GTSP08-12-6-8	9/15/2008	6.0	PCB, total	2.3	0.5	B, Carc	Yes	0.065	S	Yes	Landau 10/31/08
GTSP08-4-3-5	9/15/2008	4.0	PCB, total	1	0.5	B, Carc	Yes	1.3	V	No	Landau 10/31/08
GTSP08-13-7-9	9/15/2008	7.0	PCB, total	0.184	0.5	B, Carc	No	0.065	S	Yes	Landau 10/31/08

**NOTES:**

feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

Soil samples from areas that have been excavated are not included in the table.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Soil-to-Sediment Screening Levels**

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the soil-to-sediment screening level.

**Data Qualifiers**

E - Indicates that the value exceeded the linear range of the laboratory equipment

P - Indicates the analyte was detected on two chromatographic columns, but the quantified values differ by 40% or greater relative percent difference with no obvious chromatographic interference.

**Table 3-2**

**GTSP: Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Concentration (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
GTSP-1	8/1/2006	Trichloroethene	1.2	0.49	B, Carc	Yes	NA	NA	Integral 11/16/07
GTSP-5	8/1/2006	PCB, total	0.24 T	0.044	B, Carc	Yes	1.5	No	Integral 11/16/07
GTSP-5	8/1/2006	PCB, total	0.24	0.044	B, Carc	Yes	1.5	No	Integral 11/16/07
GTSP-1	11/17/2006	Trichloroethene	1.0	0.49	B, Carc	Yes	NA	NA	Integral 11/16/07
GTSP-5	11/17/2006	PCB, total	0.19 T	0.044	B, Carc	Yes	1.5	No	Integral 11/16/07
GTSP-5	11/17/2006	PCB, total	0.19	0.044	B, Carc	Yes	1.5	No	Integral 11/16/07
GTSP-1	3/1/2007	Trichloroethene	0.98	0.49	B, Carc	Yes	NA	NA	Integral 11/16/07
GTSP-5	3/1/2007	PCB, total	0.16 NJT	0.044	B, Carc	Yes	1.5	No	Integral 11/16/07
GTSP-1	5/31/2007	Trichloroethene	1.1	0.49	B, Carc	Yes	NA	NA	Integral 11/16/07
GTSP-5	5/31/2007	PCB, total	0.17 NJT	0.044	B, Carc	Yes	1.5	No	Integral 11/16/07

**NOTES:**

ug/L - micrograms per liter

GW - groundwater

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Groundwater-to-Sediment Screening Levels**

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Data Qualifiers**

NJ - Indicates the analyte was not definitively identified and the reported value is an estimate

T - Indicates the associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors)



**Table 4-1**  
**NBF PEL Area, Area-Wide Investigations:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Concentration (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
<i>PCB Investigation (2007)</i>											
NBF-SB-032907-36	3/29/2007	5.0	Aroclor 1248	49	NA	NA	NA	0.065	S	Yes	Landau 4/26/07
NBF-SB-033007-31	3/30/2007	1.0	Aroclor 1248	17	NA	NA	NA	1.3	V	Yes	Landau 4/26/07
NBF-SB-040207-30	4/2/2007	1.0	Aroclor 1248	12	NA	NA	NA	1.3	V	Yes	Landau 4/26/07
NBF-SB-033007-31	3/30/2007	5.0	Aroclor 1248	2.0	NA	NA	NA	0.065	S	Yes	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Aroclor 1254	84	1.6	B, NC	Yes	0.065	S	Yes	Landau 4/26/07
NBF-SB-033007-31	3/30/2007	1.0	Aroclor 1254	8.9	1.6	B, NC	Yes	1.3	V	Yes	Landau 4/26/07
NBF-SB-040207-30	4/2/2007	1.0	Aroclor 1254	5.6	1.6	B, NC	Yes	1.3	V	Yes	Landau 4/26/07
NBF-SB-040207-22	4/2/2007	1.0	Aroclor 1254	5.3	1.6	B, NC	Yes	1.3	V	Yes	Landau 4/26/07
NBF-SB-040207-22	4/2/2007	1.0	Aroclor 1254	5.2 E	1.6	B, NC	Yes	1.3	V	Yes	Landau 4/26/07
NBF-SB-033007-31	3/30/2007	5.0	Aroclor 1254	1.4	1.6	B, NC	No	0.065	S	Yes	Landau 4/26/07
NBF-SB-033007-20	3/30/2007	7.0	Aroclor 1254	0.230	1.6	B, NC	No	0.065	S	Yes	Landau 4/26/07
NBF-SB-033007-20	3/30/2007	7.0	Aroclor 1260	0.190	NA	NA	NA	0.065	S	Yes	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Ethylbenzene	19	6	A	Yes	NA	NA	NA	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Gasoline Range Hydrocarbons	>58	30	A	Yes	NA	NA	NA	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Gasoline Range Hydrocarbons	2900	30	A	Yes	NA	NA	NA	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Gasoline Range Hydrocarbons	2500 E	30	A	Yes	NA	NA	NA	Landau 4/26/07
NBF-SB-040207-08	4/2/2007	6.0	Gasoline Range Hydrocarbons	1700 E	30	A	Yes	NA	NA	NA	Landau 4/26/07
NBF-SB-040207-08	4/2/2007	6.0	Gasoline Range Hydrocarbons	1600	30	A	Yes	NA	NA	NA	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	PCB, total	133	0.5	B, Carc	Yes	0.065	S	Yes	Landau 4/26/07
NBF-SB-040207-30	4/2/2007	1.0	PCB, total	17.6	0.5	B, Carc	Yes	1.3	V	Yes	Landau 4/26/07
NBF-SB-033007-31	3/30/2007	1.0	PCB, total	17	0.5	B, Carc	Yes	1.3	V	Yes	Landau 4/26/07
NBF-SB-033007-31	3/30/2007	1.0	PCB, total	8.9	0.5	B, Carc	Yes	1.3	V	Yes	Landau 4/26/07
NBF-SB-040207-22	4/2/2007	1.0	PCB, total	5.3	0.5	B, Carc	Yes	1.3	V	Yes	Landau 4/26/07
NBF-SB-033007-31	3/30/2007	5.0	PCB, total	3.4	0.5	B, Carc	Yes	0.065	S	Yes	Landau 4/26/07
NBF-SB-033007-24	3/30/2007	1.0	PCB, total	1.2	0.5	B, Carc	Yes	1.3	V	No	Landau 4/26/07
NBF-SB-032907-17	3/29/2007	1.0	PCB, total	1.020	0.5	B, Carc	Yes	1.3	V	No	Landau 4/26/07
NBF-SB-040207-39	4/2/2007	1.0	PCB, total	0.960	0.5	B, Carc	Yes	1.3	V	No	Landau 4/26/07
NBF-SB-032907-23	3/29/2007	1.0	PCB, total	0.600	0.5	B, Carc	Yes	1.3	V	No	Landau 4/26/07
NBF-SB-032907-34	3/29/2007	1.0	PCB, total	0.550	0.5	B, Carc	Yes	1.3	V	No	Landau 4/26/07
NBF-SB-033007-20	3/30/2007	7.0	PCB, total	0.420	0.5	B, Carc	No	0.065	S	Yes	Landau 4/26/07
<i>Storm Drain Replacement (2007)</i>											
NBF-15	7/9/2007	3.0	Aroclor 1248	1800	NA	NA	NA	1.3	V	Yes	Landau 11/14/07
NBF-13	7/9/2007	1.0	Aroclor 1248	100	NA	NA	NA	1.3	V	Yes	Landau 11/14/07
NBF-2	6/7/2007	2.75	Aroclor 1248	88	NA	NA	NA	1.3	V	Yes	Landau 11/14/07
NBF-14	7/9/2007	3.0	Aroclor 1248	40	NA	NA	NA	1.3	V	Yes	Landau 11/14/07
NBF-13	7/9/2007	3.0	Aroclor 1248	35	NA	NA	NA	1.3	V	Yes	Landau 11/14/07
NBF-1	6/7/2007	2.75	Aroclor 1248	19	NA	NA	NA	1.3	V	Yes	Landau 11/14/07
NBF-15	7/9/2007	1.0	Aroclor 1248	14	NA	NA	NA	1.3	V	Yes	Landau 11/14/07
NBF-12	7/9/2007	1.0	Aroclor 1248	12	NA	NA	NA	1.3	V	Yes	Landau 11/14/07
NBF-14	7/9/2007	1.0	Aroclor 1248	8.7	NA	NA	NA	1.3	V	Yes	Landau 11/14/07
NBF-5	6/7/2007	3.0	Aroclor 1248	4.3	NA	NA	NA	1.3	V	Yes	Landau 11/14/07
NBF-8	6/18/2007	1.0	Aroclor 1254	1100	1.6	B, NC	Yes	1.3	V	Yes	Landau 11/14/07
NBF-15	7/9/2007	3.0	Aroclor 1254	880	1.6	B, NC	Yes	1.3	V	Yes	Landau 11/14/07
NBF-13	7/9/2007	3.0	Aroclor 1254	140	1.6	B, NC	Yes	1.3	V	Yes	Landau 11/14/07
NBF-2	6/7/2007	2.75	Aroclor 1254	98	1.6	B, NC	Yes	1.3	V	Yes	Landau 11/14/07
NBF-7	6/12/2007	1.0	Aroclor 1254	69	1.6	B, NC	Yes	1.3	V	Yes	Landau 11/14/07

**Table 4-1**  
**NBF PEL Area, Area-Wide Investigations:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Concentration (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
NBF-6	6/8/2007	1.0	Aroclor 1254	62	1.6	B, NC	Yes	1.3	V	Yes	Landau 11/14/07
NBF-13	7/9/2007	1.0	Aroclor 1254	57	1.6	B, NC	Yes	1.3	V	Yes	Landau 11/14/07
NBF-14	7/9/2007	3.0	Aroclor 1254	37	1.6	B, NC	Yes	1.3	V	Yes	Landau 11/14/07
NBF-1	6/7/2007	2.75	Aroclor 1254	24	1.6	B, NC	Yes	1.3	V	Yes	Landau 11/14/07
NBF-6	6/8/2007	3.0	Aroclor 1254	15	1.6	B, NC	Yes	1.3	V	Yes	Landau 11/14/07
NBF-15	7/9/2007	1.0	Aroclor 1254	10	1.6	B, NC	Yes	1.3	V	Yes	Landau 11/14/07
NBF-12	7/9/2007	1.0	Aroclor 1254	9.1	1.6	B, NC	Yes	1.3	V	Yes	Landau 11/14/07
NBF-10	6/19/2007	4.5	Aroclor 1254	7.9	1.6	B, NC	Yes	1.3	V	Yes	Landau 11/14/07
NBF-14	7/9/2007	1.0	Aroclor 1254	6.7	1.6	B, NC	Yes	1.3	V	Yes	Landau 11/14/07
NBF-5	6/7/2007	1.0	Aroclor 1254	6.5	1.6	B, NC	Yes	1.3	V	Yes	Landau 11/14/07
NBF-5	6/7/2007	3.0	Aroclor 1254	4.3	1.6	B, NC	Yes	1.3	V	Yes	Landau 11/14/07
NBF-7	6/12/2007	3.0	Aroclor 1254	3.5	1.6	B, NC	Yes	1.3	V	Yes	Landau 11/14/07
NBF-10	6/19/2007	1.0	Aroclor 1254	1.4	1.6	B, NC	No	1.3	V	Yes	Landau 11/14/07
NBF-15	7/9/2007	3.0	PCB, total	2680	0.5	B, Carc	Yes	1.3	V	Yes	Landau 11/14/07
NBF-8	6/18/2007	1.0	PCB, total	1100	0.5	B, Carc	Yes	1.3	V	Yes	Landau 11/14/07
NBF-2	6/7/2007	2.75	PCB, total	186	0.5	B, Carc	Yes	1.3	V	Yes	Landau 11/14/07
NBF-13	7/9/2007	3.0	PCB, total	175	0.5	B, Carc	Yes	1.3	V	Yes	Landau 11/14/07
NBF-13	7/9/2007	1.0	PCB, total	157	0.5	B, Carc	Yes	1.3	V	Yes	Landau 11/14/07
NBF-14	7/9/2007	3.0	PCB, total	77	0.5	B, Carc	Yes	1.3	V	Yes	Landau 11/14/07
NBF-7	6/12/2007	1.0	PCB, total	69	0.5	B, Carc	Yes	1.3	V	Yes	Landau 11/14/07
NBF-6	6/8/2007	1.0	PCB, total	62	0.5	B, Carc	Yes	1.3	V	Yes	Landau 11/14/07
NBF-1	6/7/2007	2.75	PCB, total	43	0.5	B, Carc	Yes	1.3	V	Yes	Landau 11/14/07
NBF-15	7/9/2007	1.0	PCB, total	24	0.5	B, Carc	Yes	1.3	V	Yes	Landau 11/14/07
NBF-12	7/9/2007	1.0	PCB, total	21.1	0.5	B, Carc	Yes	1.3	V	Yes	Landau 11/14/07
NBF-14	7/9/2007	1.0	PCB, total	15.4	0.5	B, Carc	Yes	1.3	V	Yes	Landau 11/14/07
NBF-6	6/8/2007	3.0	PCB, total	15	0.5	B, Carc	Yes	1.3	V	Yes	Landau 11/14/07
NBF-5	6/7/2007	3.0	PCB, total	8.6	0.5	B, Carc	Yes	1.3	V	Yes	Landau 11/14/07
NBF-10	6/19/2007	4.5	PCB, total	7.9	0.5	B, Carc	Yes	1.3	V	Yes	Landau 11/14/07
NBF-5	6/7/2007	1.0	PCB, total	6.5	0.5	B, Carc	Yes	1.3	V	Yes	Landau 11/14/07
NBF-7	6/12/2007	3.0	PCB, total	3.5	0.5	B, Carc	Yes	1.3	V	Yes	Landau 11/14/07
NBF-GB1	9/6/2007	2.0	PCB, total	1.89	0.5	B, Carc	Yes	1.3	V	Yes	Landau 11/14/07
NBF-10	6/19/2007	1.0	PCB, total	1.4	0.5	B, Carc	Yes	1.3	V	Yes	Landau 11/14/07
NBF-9	6/19/2007	1.0	PCB, total	0.66	0.5	B, Carc	Yes	1.3	V	No	Landau 11/14/07
NBF-GB3	9/6/2007	2.0	PCB, total	0.54	0.5	B, Carc	Yes	1.3	V	No	Landau 11/14/07
<i>Potential PCB Sources to Slip 4 Study (2008)</i>											
NBF08-13-1-2	9/18/2008	1.0	Aroclor 1248	630	NA	NA	NA	1.3	V	Yes	Landau 10/31/08
SB08-36-5-6	9/18/2008	5.0	Aroclor 1254	270	1.6	B, NC	Yes	1.3	V	Yes	Landau 10/31/08
NBF08-13-1-2	9/18/2008	1.0	Aroclor 1254	250	1.6	B, NC	Yes	1.3	V	Yes	Landau 10/31/08
SB08-22-1-2	9/18/2008	1.0	Aroclor 1254	4.6	1.6	B, NC	Yes	1.3	V	Yes	Landau 10/31/08
SB08-22B-1-2(Dup)	9/18/2008	1.0	Aroclor 1254	4	1.6	B, NC	Yes	1.3	V	Yes	Landau 10/31/08
NBF08-13-1-2	9/18/2008	1.0	PCB, total	880	0.5	B, Carc	Yes	1.3	V	Yes	Landau 10/31/08
SB08-36-5-6	9/18/2008	5.0	PCB, total	270	0.5	B, Carc	Yes	1.3	V	Yes	Landau 10/31/08
SB08-22-1-2	9/18/2008	1.0	PCB, total	4.6	0.5	B, Carc	Yes	1.3	V	Yes	Landau 10/31/08
SB08-22B-1-2(Dup)	9/18/2008	1.0	PCB, total	4	0.5	B, Carc	Yes	1.3	V	Yes	Landau 10/31/08

NOTES:  
feet bgs - feet below ground surface

**Table 4-1  
NBF PEL Area, Area-Wide Investigations:  
Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Concentration (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
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mg/kg - milligrams per kilogram

Soil samples from areas that have been excavated are not included in the table.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Soil-to-Sediment Screening Levels**

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the soil-to-sediment screening level.

**Data Qualifiers**

E - Indicates that the value exceeded the linear range of the laboratory equipment

**Table 4-2**  
**NBF PEL Area, Area-Wide Investigations:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Concentration (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
<i>PCB Investigation (2007)</i>									
NBF-GW01	9/10/2007	Aroclor 1248	1.9	NA	NA	NA	1.5	Yes	Landau 11/14/07
NBF-GW01	9/10/2007	PCB, total	1.9	0.044	B, Carc	Yes	1.5	Yes	Landau 11/14/07

**NOTES:**

ug/L - micrograms per liter

GW - groundwater

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Groundwater-to-Sediment Screening Levels**

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (WAC 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the groundwater-to-sediment screening level.

**Table 4-3**  
**NBF PEL Area, NBF-GTSP Fence Line Area:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Concentration (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
<i>Oil/Water Separator UBF-55 and Tank UBF-27</i>											
P16/0.3-2.2	9/15/1997	0.3000001	Aroclor 1248	100	NA	NA	NA	1.3	V	Yes	AGI 10/10/97*
P9/2.2-4.1	9/15/1997	2.2000005	Aroclor 1248	82	NA	NA	NA	1.3	V	Yes	AGI 10/10/97*
P16/0.3-2.2	9/15/1997	0.3000001	Aroclor 1248	53 E	NA	NA	NA	1.3	V	Yes	AGI 10/10/97*
P9/2.2-4.1	9/15/1997	2.2000005	Aroclor 1248	51 E	NA	NA	NA	1.3	V	Yes	AGI 10/10/97*
P4/2.2-4.1	9/15/1997	2.2000005	Aroclor 1248	37	NA	NA	NA	1.3	V	Yes	AGI 10/10/97*
P2/2.2-4.1	9/15/1997	2.2000005	Aroclor 1248	27	NA	NA	NA	1.3	V	Yes	AGI 10/10/97*
P4/2.2-4.1	9/15/1997	2.2000005	Aroclor 1248	26 E	NA	NA	NA	1.3	V	Yes	AGI 10/10/97*
P2/2.2-4.1	9/15/1997	2.2000005	Aroclor 1248	20 E	NA	NA	NA	1.3	V	Yes	AGI 10/10/97*
P3/2.2-4.1	9/15/1997	2.2000005	Aroclor 1248	14	NA	NA	NA	1.3	V	Yes	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2000005	Aroclor 1248	4.2	NA	NA	NA	1.3	V	Yes	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2000005	Aroclor 1248	4	NA	NA	NA	1.3	V	Yes	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2000005	Aroclor 1248	3.9	NA	NA	NA	1.3	V	Yes	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2000005	Aroclor 1248	3.4	NA	NA	NA	1.3	V	Yes	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2000005	Aroclor 1248	2.3 E	NA	NA	NA	1.3	V	Yes	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2000005	Aroclor 1248	2 E	NA	NA	NA	1.3	V	Yes	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2000005	Aroclor 1248	2 E	NA	NA	NA	1.3	V	Yes	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2000005	Aroclor 1248	1.7 E	NA	NA	NA	1.3	V	Yes	AGI 10/10/97*
P7/0.3-2.2	9/15/1997	0.3000001	Aroclor 1254	260	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
P16/0.3-2.2	9/15/1997	0.3000001	Aroclor 1254	72	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
P16/0.3-2.2	9/15/1997	0.3000001	Aroclor 1254	44 E	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
P9/2.2-4.1	9/15/1997	2.2000005	Aroclor 1254	14	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
P9/2.2-4.1	9/15/1997	2.2000005	Aroclor 1254	10	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
P2/2.2-4.1	9/15/1997	2.2000005	Aroclor 1254	9.4	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
P4/2.2-4.1	9/15/1997	2.2000005	Aroclor 1254	9.3	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
P2/2.2-4.1	9/15/1997	2.2000005	Aroclor 1254	8	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
P4/2.2-4.1	9/15/1997	2.2000005	Aroclor 1254	7.9	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
P3/2.2-4.1	9/15/1997	2.2000005	Aroclor 1254	3.7	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2000005	Aroclor 1254	2.9	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2000005	Aroclor 1254	2.4	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2000005	Aroclor 1254	2.2 E	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2000005	Aroclor 1254	1.6 E	1.6	B, NC	No	1.3	V	Yes	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2000005	Aroclor 1254	1.5	1.6	B, NC	No	1.3	V	Yes	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2000005	Aroclor 1254	1.4	1.6	B, NC	No	1.3	V	Yes	AGI 10/10/97*
P3/2.2-4.1	9/15/1997	2.2000005	Gasoline Range Hydrocarbons	150	30	A	Yes	NA	NA	NA	AGI 10/10/97*
P7/0.3-2.2	9/15/1997	0.3000001	PCB, total	260	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
P16/0.3-2.2	9/15/1997	0.3000001	PCB, total	172	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
P9/2.2-4.1	9/15/1997	2.2000005	PCB, total	94	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
P4/2.2-4.1	9/15/1997	2.2000005	PCB, total	45.6	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
P2/2.2-4.1	9/15/1997	2.2000005	PCB, total	35.7	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
P3/2.2-4.1	9/15/1997	2.2000005	PCB, total	17.7	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2000005	PCB, total	6.45	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2000005	PCB, total	5.4	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
P17/0.3-2.2	9/15/1997	0.3000001	PCB, total	0.92	0.5	B, Carc	Yes	1.3	V	No	AGI 10/10/97*
P13B/2.2-4.1	9/15/1997	2.2000005	PCB, total	0.66	0.5	B, Carc	Yes	1.3	V	No	AGI 10/10/97*

*NBF-GTSP Fence Line Investigation*

**Table 4-3**  
**NBF PEL Area, NBF-GTSP Fence Line Area:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Concentration (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Exceedence	Source
S-16	11/17/2005	0.0	Aroclor 1254	2400	1.6	B, NC	Yes	1.3	V	Yes	Bach 12/5/05
S-19	11/17/2005	0.0	Aroclor 1254	400	1.6	B, NC	Yes	1.3	V	Yes	Bach 12/5/05
S-20	11/17/2005	0.0	Aroclor 1254	98	1.6	B, NC	Yes	1.3	V	Yes	Bach 12/5/05
S-18	11/17/2005	0.0	Aroclor 1254	22	1.6	B, NC	Yes	1.3	V	Yes	Bach 12/5/05
S-15	11/17/2005	0.0	Aroclor 1254	6.8	1.6	B, NC	Yes	1.3	V	Yes	Bach 12/5/05
S-17	11/17/2005	0.0	Aroclor 1254	5.1	1.6	B, NC	Yes	1.3	V	Yes	Bach 12/5/05
S-13	11/17/2005	0.0	Aroclor 1254	2.2	1.6	B, NC	Yes	1.3	V	Yes	Bach 12/5/05
S-16	11/17/2005	0.0	PCB, total	2400	0.5	B, Carc	Yes	1.3	V	Yes	Bach 12/5/05
S-19	11/17/2005	0.0	PCB, total	400	0.5	B, Carc	Yes	1.3	V	Yes	Bach 12/5/05
S-20	11/17/2005	0.0	PCB, total	98	0.5	B, Carc	Yes	1.3	V	Yes	Bach 12/5/05
S-18	11/17/2005	0.0	PCB, total	22	0.5	B, Carc	Yes	1.3	V	Yes	Bach 12/5/05
S-15	11/17/2005	0.0	PCB, total	6.8	0.5	B, Carc	Yes	1.3	V	Yes	Bach 12/5/05
S-17	11/17/2005	0.0	PCB, total	5.1	0.5	B, Carc	Yes	1.3	V	Yes	Bach 12/5/05
S-13	11/17/2005	0.0	PCB, total	2.2	0.5	B, Carc	Yes	1.3	V	Yes	Bach 12/5/05
S-11	11/17/2005	0.0	PCB, total	0.78	0.5	B, Carc	Yes	1.3	V	No	Bach 12/5/05
S-14	11/17/2005	0.0	PCB, total	0.63	0.5	B, Carc	Yes	1.3	V	No	Bach 12/5/05
<b>Storm Drain Re-Route</b>											
SLR-1 (5-6)	11/22/2006	3.0	Aroclor 1248	1.9	NA	NA	NA	1.3	V	Yes	ARI 12/18/06
SLR-2 (5-6)	11/22/2006	5.0	Aroclor 1254	300 E, P	1.6	B, NC	Yes	1.3	V	Yes	ARI 12/18/06
SLR-3 (1-2)	11/22/2006	1.0	Aroclor 1254	270 E	1.6	B, NC	Yes	1.3	V	Yes	ARI 12/18/06
SLR-3 (1-2)	11/22/2006	1.0	Aroclor 1254	260	1.6	B, NC	Yes	1.3	V	Yes	ARI 12/18/06
SLR-2 (1-2)	11/22/2006	1.0	Aroclor 1254	200 E	1.6	B, NC	Yes	1.3	V	Yes	ARI 12/18/06
SLR-2 (1-2)	11/22/2006	1.0	Aroclor 1254	200	1.6	B, NC	Yes	1.3	V	Yes	ARI 12/18/06
SLR-2 (5-6)	11/22/2006	5.0	Aroclor 1254	200	1.6	B, NC	Yes	1.3	V	Yes	ARI 12/18/06
SLR-4 (1-2)	11/22/2006	1.0	Aroclor 1254	2.3	1.6	B, NC	Yes	1.3	V	Yes	ARI 12/18/06
SLR-1 (5-6)	11/22/2006	3.0	Aroclor 1254	1.9	1.6	B, NC	Yes	1.3	V	Yes	ARI 12/18/06
SLR-3 (1-2)	11/22/2006	1.0	PCB, total	260	0.5	B, Carc	Yes	1.3	V	Yes	ARI 12/18/06
SLR-2 (1-2)	11/22/2006	1.0	PCB, total	200	0.5	B, Carc	Yes	1.3	V	Yes	ARI 12/18/06
SLR-2 (5-6)	11/22/2006	5.0	PCB, total	200	0.5	B, Carc	Yes	1.3	V	Yes	ARI 12/18/06
SLR-1 (5-6)	11/22/2006	3.0	PCB, total	3.8	0.5	B, Carc	Yes	1.3	V	Yes	ARI 12/18/06
SLR-4 (1-2)	11/22/2006	1.0	PCB, total	2.3	0.5	B, Carc	Yes	1.3	V	Yes	ARI 12/18/06
SLR-2 (3-4)	11/22/2006	3.0	PCB, total	0.850	0.5	B, Carc	Yes	1.3	V	No	ARI 12/18/06
SLR-3 (3-4)	11/22/2006	3.0	Trichloroethene	0.052	0.03	A	Yes	NA	NA	NA	ARI 12/18/06
SLR-3 (3-4)	11/22/2006	3.0	Trichloroethene	0.035	0.03	A	Yes	NA	NA	NA	ARI 12/18/06

**Notes:**

feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

Soil samples from areas that have been excavated are not included in the table.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Table 4-3**  
**NBF PEL Area, NBF-GTSP Fence Line Area:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Concentration (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
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**Soil-to-Sediment Screening Levels**

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the soil-to-sediment screening level.

**Data Qualifiers**

E - Indicates that the value exceeded the linear range of the laboratory equipment

P - Indicates the analyte was detected on two chromatographic columns, but the quantified values differ by 40% or greater relative percent difference with no obvious chromatographic interference.



**Table 4-4**  
**NBF PEL Area, Building 3-333:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
HA-11	8/11/1994	6.0	Aroclor 1254	400	1.6	B, NC	Yes	0.065	S	Yes	Secor 10/24/94*
HA-12	8/11/1994	6.0	Aroclor 1254	1.6	1.6	B, NC	No	0.065	S	Yes	Secor 10/24/94*
HA-1	8/11/1994	3.0	Aroclor 1254	1.4	1.6	B, NC	No	1.3	V	Yes	Secor 10/24/94*
HA-10	8/11/1994	6.0	Aroclor 1254	0.72	1.6	B, NC	No	0.065	S	Yes	Secor 10/24/94*
HA-8	8/11/1994	6.0	Aroclor 1254	0.1	1.6	B, NC	No	0.065	S	Yes	Secor 10/24/94*
HA-10	8/11/1994	6.0	Aroclor 1260	0.15	NA	NA	NA	0.065	S	Yes	Secor 10/24/94*
HA-11	8/11/1994	6.0	Diesel Range Hydrocarbons	4900	2000	A	Yes	NA	NA	NA	Secor 10/24/94*
HA-11	8/11/1994	6.0	Diesel Range Hydrocarbons	3900	2000	A	Yes	NA	NA	NA	Secor 10/24/94*
HA-10	8/11/1994	6.0	Diesel Range Hydrocarbons	3200	2000	A	Yes	NA	NA	NA	Secor 10/24/94*
HA-10	8/11/1994	6.0	Diesel Range Hydrocarbons	2800	2000	A	Yes	NA	NA	NA	Secor 10/24/94*
HA-11	8/11/1994	6.0	Gasoline Range Hydrocarbons	6400	30	A	Yes	NA	NA	NA	Secor 10/24/94*
HA-11	8/11/1994	6.0	Gasoline Range Hydrocarbons	5300	30	A	Yes	NA	NA	NA	Secor 10/24/94*
HA-11	8/11/1994	6.0	Gasoline Range Hydrocarbons	3500	30	A	Yes	NA	NA	NA	Secor 10/24/94*
HA-10	8/11/1994	6.0	Gasoline Range Hydrocarbons	2700	30	A	Yes	NA	NA	NA	Secor 10/24/94*
HA-10	8/11/1994	6.0	Gasoline Range Hydrocarbons	2400	30	A	Yes	NA	NA	NA	Secor 10/24/94*
HA-11	8/11/1994	6.0	PCB, total	400	0.5	B, Carc	Yes	0.065	S	Yes	Secor 10/24/94*
HA-1	8/11/1994	3.0	PCB, total	1.82	0.5	B, Carc	Yes	1.3	V	Yes	Secor 10/24/94*
HA-12	8/11/1994	6.0	PCB, total	1.6	0.5	B, Carc	Yes	0.065	S	Yes	Secor 10/24/94*
HA-2	8/11/1994	3.0	PCB, total	1	0.5	B, Carc	Yes	1.3	V	No	Secor 10/24/94*
HA-10	8/11/1994	6.0	PCB, total	0.87	0.5	B, Carc	Yes	0.065	S	Yes	Secor 10/24/94*
HA-6	8/11/1994	3.0	PCB, total	0.77	0.5	B, Carc	Yes	1.3	V	No	Secor 10/24/94*
HA-8	8/11/1994	6.0	PCB, total	0.1	0.5	B, Carc	No	0.065	S	Yes	Secor 10/24/94*
SB14@1	11/30/1994	1.0	Aroclor 1254	1.4	1.6	B, NC	No	1.3	V	Yes	SECOR 2/16/95*
SB12@8	11/30/1994	8.0	Aroclor 1254	1.2	1.6	B, NC	No	0.065	S	Yes	SECOR 2/16/95*
SB08@6	11/29/1994	6.0	Aroclor 1254	0.11	1.6	B, NC	No	0.065	S	Yes	SECOR 2/16/95*
MW1@5.5	11/29/1994	5.5	Diesel Range Hydrocarbons	6600	2000	A	Yes	NA	NA	NA	SECOR 2/16/95*
MW1@5.5	11/29/1994	5.5	Diesel Range Hydrocarbons	5900	2000	A	Yes	NA	NA	NA	SECOR 2/16/95*
MW1@5.5	11/29/1994	5.5	Gasoline Range Hydrocarbons	8500	30	A	Yes	NA	NA	NA	SECOR 2/16/95*
MW1@5.5	11/29/1994	5.5	Gasoline Range Hydrocarbons	6000	30	A	Yes	NA	NA	NA	SECOR 2/16/95*
SB11@5.5	11/29/1994	5.5	Gasoline Range Hydrocarbons	420	30	A	Yes	NA	NA	NA	SECOR 2/16/95*
SB20@6	11/30/1994	6.0	Methylene Chloride	0.023 B	0.02	A	Yes	NA	NA	NA	SECOR 2/16/95*
SB14@1	11/30/1994	1.0	PCB, total	1.4	0.5	B, Carc	Yes	1.3	V	Yes	SECOR 2/16/95*
SB12@8	11/30/1994	8.0	PCB, total	1.2	0.5	B, Carc	Yes	0.065	S	Yes	SECOR 2/16/95*
SB08@6	11/29/1994	6.0	PCB, total	0.11	0.5	B, Carc	No	0.065	S	Yes	SECOR 2/16/95*
S-12	3/13/1996	4.0	Diesel Range Hydrocarbons	13000	2000	A	Yes	NA	NA	NA	SECOR 7/2/96*
S-12	3/12/1996	4.0	Diesel Range Hydrocarbons	11000 E	2000	A	Yes	NA	NA	NA	SECOR 7/2/96*
S-12	3/12/1996	4.0	Diesel Range Hydrocarbons	9900	2000	A	Yes	NA	NA	NA	SECOR 7/2/96*
S-3	3/12/1996	4.0	Diesel Range Hydrocarbons	8000	2000	A	Yes	NA	NA	NA	SECOR 7/2/96*
S-3	3/12/1996	4.0	Diesel Range Hydrocarbons	6200	2000	A	Yes	NA	NA	NA	SECOR 7/2/96*
S-4	3/12/1996	4.0	Diesel Range Hydrocarbons	3700 E	2000	A	Yes	NA	NA	NA	SECOR 7/2/96*
S-4	3/12/1996	4.0	Diesel Range Hydrocarbons	3000	2000	A	Yes	NA	NA	NA	SECOR 7/2/96*
S-4	3/12/1996	4.0	Diesel Range Hydrocarbons	2200	2000	A	Yes	NA	NA	NA	SECOR 7/2/96*
S-12	3/13/1996	4.0	Gasoline Range Hydrocarbons	9000	30	A	Yes	NA	NA	NA	SECOR 7/2/96*
S-12	3/13/1996	4.0	Gasoline Range Hydrocarbons	5300 E	30	A	Yes	NA	NA	NA	SECOR 7/2/96*
S-12	3/12/1996	4.0	Gasoline Range Hydrocarbons	4700	30	A	Yes	NA	NA	NA	SECOR 7/2/96*
S-4	3/12/1996	4.0	Gasoline Range Hydrocarbons	3700	30	A	Yes	NA	NA	NA	SECOR 7/2/96*

**Table 4-4**  
**NBF PEL Area, Building 3-333:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
S-12	3/12/1996	4.0	Gasoline Range Hydrocarbons	3100 E	30	A	Yes	NA	NA	NA	SECOR 7/2/96*
S-4	3/12/1996	4.0	Gasoline Range Hydrocarbons	2600 E	30	A	Yes	NA	NA	NA	SECOR 7/2/96*
S-3	3/12/1996	4.0	Gasoline Range Hydrocarbons	2300	30	A	Yes	NA	NA	NA	SECOR 7/2/96*
S-3	3/12/1996	4.0	Gasoline Range Hydrocarbons	1800	30	A	Yes	NA	NA	NA	SECOR 7/2/96*
S-4	3/12/1996	4.0	Gasoline Range Hydrocarbons	1700	30	A	Yes	NA	NA	NA	SECOR 7/2/96*
S-12	3/12/1996	4.0	Total Petroleum Hydrocarbons	14000	2000	A	Yes	NA	NA	NA	SECOR 7/2/96*
S-3	3/12/1996	4.0	Total Petroleum Hydrocarbons	10000	2000	A	Yes	NA	NA	NA	SECOR 7/2/96*
3-333-24S	9/12/1996	4.0	PCB, total	84.0	0.5	B, Carc	Yes	1.3	V	Yes	Equipose 2/10/97*
3-333-23D	9/12/1996	6.0	PCB, total	77.0	0.5	B, Carc	Yes	0.065	S	Yes	Equipose 2/10/97*
3-333-20	9/12/1996	4.0	PCB, total	16.6	0.5	B, Carc	Yes	1.3	V	Yes	Equipose 2/10/97*
3-333-30S	9/12/1996	4.0	PCB, total	10.0	0.5	B, Carc	Yes	1.3	V	Yes	Equipose 2/10/97*
3-333-23S	9/12/1996	4.0	PCB, total	2.90	0.5	B, Carc	Yes	1.3	V	Yes	Equipose 2/10/97*
3-333-24D	9/12/1996	6.0	PCB, total	0.75	0.5	B, Carc	Yes	0.065	S	Yes	Equipose 2/10/97*
3-333-25D	9/12/1996	6.0	PCB, total	0.10	0.5	B, Carc	No	0.065	S	Yes	Equipose 2/10/97*
3-333-19	9/12/1996	4.0	Trichloroethene	0.2206	0.03	A	Yes	NA	NA	NA	Equipose 2/10/97*
P14/3.1-5.6	6/20/1997	5.6	Aroclor 1248	90	NA	NA	NA	0.065	S	Yes	AGI 8/8/97*
P19/4.0-6.0	6/20/1997	6.0	Aroclor 1248	0.44	NA	NA	NA	0.065	S	Yes	AGI 8/8/97*
P15/3.6-6.6	6/20/1997	6.6	Aroclor 1254	630	1.6	B, NC	Yes	0.065	S	Yes	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.7	Aroclor 1254	280	1.6	B, NC	Yes	0.065	S	Yes	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.7	Aroclor 1254	270	1.6	B, NC	Yes	0.065	S	Yes	AGI 8/8/97*
P13/3.7-6.7	6/20/1997	6.7	Aroclor 1254	120	1.6	B, NC	Yes	0.065	S	Yes	AGI 8/8/97*
P14/3.1-5.6	6/20/1997	5.6	Aroclor 1254	94	1.6	B, NC	Yes	0.065	S	Yes	AGI 8/8/97*
P16/3.7-6.7	6/20/1997	6.7	Aroclor 1254	83	1.6	B, NC	Yes	0.065	S	Yes	AGI 8/8/97*
P11/3.7-6.7	6/20/1997	6.7	Aroclor 1254	22	1.6	B, NC	Yes	0.065	S	Yes	AGI 8/8/97*
P12/3.5-6.5	6/20/1997	6.5	Aroclor 1254	9.8	1.6	B, NC	Yes	0.065	S	Yes	AGI 8/8/97*
P5/3.4-6.4	6/21/1997	6.4	Aroclor 1254	4	1.6	B, NC	Yes	0.065	S	Yes	AGI 8/8/97*
P17/3.7-6.7	6/21/1997	6.7	Aroclor 1254	3.7	1.6	B, NC	Yes	0.065	S	Yes	AGI 8/8/97*
P17/3.7-6.7	6/21/1997	6.7	Aroclor 1254	3.4	1.6	B, NC	Yes	0.065	S	Yes	AGI 8/8/97*
P19/4.0-6.0	6/20/1997	6.0	Aroclor 1254	0.09	1.6	B, NC	No	0.065	S	Yes	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.7	Diesel Range Hydrocarbons	7600	2000	A	Yes	NA	NA	NA	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.7	Diesel Range Hydrocarbons	7500	2000	A	Yes	NA	NA	NA	AGI 8/8/97*
P15/3.6-6.6	6/20/1997	6.6	Diesel Range Hydrocarbons	4800	2000	A	Yes	NA	NA	NA	AGI 8/8/97*
P12/3.5-6.5	6/20/1997	6.5	Diesel Range Hydrocarbons	3900	2000	A	Yes	NA	NA	NA	AGI 8/8/97*
P14/3.1-5.6	6/20/1997	5.6	Diesel Range Hydrocarbons	2900	2000	A	Yes	NA	NA	NA	AGI 8/8/97*
P13/3.7-6.7	6/20/1997	6.7	Diesel Range Hydrocarbons	2600	2000	A	Yes	NA	NA	NA	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.7	Gasoline Range Hydrocarbons	7800	30	A	Yes	NA	NA	NA	AGI 8/8/97*
P16/3.7-6.7	6/20/1997	6.7	Gasoline Range Hydrocarbons	7500	30	A	Yes	NA	NA	NA	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.7	Gasoline Range Hydrocarbons	6000	30	A	Yes	NA	NA	NA	AGI 8/8/97*
P17/3.7-6.7	6/21/1997	6.7	Gasoline Range Hydrocarbons	4800	30	A	Yes	NA	NA	NA	AGI 8/8/97*
P14/3.1-5.6	6/20/1997	5.6	Gasoline Range Hydrocarbons	2000	30	A	Yes	NA	NA	NA	AGI 8/8/97*
P15/3.6-6.6	6/20/1997	6.6	Gasoline Range Hydrocarbons	890	30	A	Yes	NA	NA	NA	AGI 8/8/97*
P12/3.5-6.5	6/20/1997	6.5	Gasoline Range Hydrocarbons	820	30	A	Yes	NA	NA	NA	AGI 8/8/97*
P11/3.7-6.7	6/20/1997	6.7	Gasoline Range Hydrocarbons	600	30	A	Yes	NA	NA	NA	AGI 8/8/97*
P13/3.7-6.7	6/20/1997	6.7	Gasoline Range Hydrocarbons	430	30	A	Yes	NA	NA	NA	AGI 8/8/97*
P17/3.7-6.7	6/21/1997	6.7	Gasoline Range Hydrocarbons	430	30	A	Yes	NA	NA	NA	AGI 8/8/97*
P16/0.7-1.7	6/20/1997	1.7	PCB, total	1600	0.5	B, Carc	Yes	1.3	V	Yes	AGI 8/8/97*

**Table 4-4**  
**NBF PEL Area, Building 3-333:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
P15/3.6-6.6	6/20/1997	6.6	PCB, total	630	0.5	B, Carc	Yes	0.065	S	Yes	AGI 8/8/97*
P18/1.7-3.7	6/20/1997	3.7	PCB, total	420	0.5	B, Carc	Yes	1.3	V	Yes	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.7	PCB, total	275	0.5	B, Carc	Yes	0.065	S	Yes	AGI 8/8/97*
P14/3.1-5.6	6/20/1997	5.6	PCB, total	184	0.5	B, Carc	Yes	0.065	S	Yes	AGI 8/8/97*
P13/3.7-6.7	6/20/1997	6.7	PCB, total	120	0.5	B, Carc	Yes	0.065	S	Yes	AGI 8/8/97*
P16/3.7-6.7	6/20/1997	6.7	PCB, total	83	0.5	B, Carc	Yes	0.065	S	Yes	AGI 8/8/97*
P11/3.7-6.7	6/20/1997	6.7	PCB, total	22	0.5	B, Carc	Yes	0.065	S	Yes	AGI 8/8/97*
P12/3.5-6.5	6/20/1997	6.5	PCB, total	9.8	0.5	B, Carc	Yes	0.065	S	Yes	AGI 8/8/97*
P5/3.4-6.4	6/21/1997	6.4	PCB, total	4	0.5	B, Carc	Yes	0.065	S	Yes	AGI 8/8/97*
P12/1.5-3.5	6/20/1997	3.5	PCB, total	3.6	0.5	B, Carc	Yes	1.3	V	Yes	AGI 8/8/97*
P17/3.7-6.7	6/21/1997	6.7	PCB, total	3.55	0.5	B, Carc	Yes	0.065	S	Yes	AGI 8/8/97*
P17/0.7-1.7	6/21/1997	1.7	PCB, total	2.25	0.5	B, Carc	Yes	1.3	V	Yes	AGI 8/8/97*
P5/0.4-1.4	6/21/1997	1.4	PCB, total	0.58	0.5	B, Carc	Yes	1.3	V	No	AGI 8/8/97*
P19/4.0-6.0	6/20/1997	6.0	PCB, total	0.53	0.5	B, Carc	Yes	0.065	S	Yes	AGI 8/8/97*
N. Pipe H1	8/20/1997		Aroclor 1254	25300	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
PCB Pipe W.	8/25/1997		Aroclor 1254	5020	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
H1-10-3.4	8/20/1997	3.4	Aroclor 1254	4150	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
H1-10-4.9	8/20/1997	4.9	Aroclor 1254	1520	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
H2-12-5.2	8/26/1997	5.2	Aroclor 1254	530	1.6	B, NC	Yes	0.065	S	Yes	AGI 10/10/97*
H2-12-5.2	8/26/1997	5.2	Aroclor 1254	380	1.6	B, NC	Yes	0.065	S	Yes	AGI*
H2-1200-5.2	8/26/1997	5.2	Aroclor 1254	340	1.6	B, NC	Yes	0.065	S	Yes	AGI*
J2-42-4.3	8/19/1997	4.3	Aroclor 1254	294	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
E2-30-3.5	8/19/1997	3.5	Aroclor 1254	217	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
F0-10-4.0	8/20/1997	4.0	Aroclor 1254	216	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
F0-10-4.0	8/20/1997	4.0	Aroclor 1254	204	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
E2-30-3.5	8/19/1997	3.5	Aroclor 1254	162	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
H4-51-4.6	8/27/1997	4.6	Aroclor 1254	100	1.6	B, NC	Yes	1.3	V	Yes	AGI*
AA1-62-3.7	8/25/1997	3.7	Aroclor 1254	59.6	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
AA1-62-3.7	8/25/1997	3.7	Aroclor 1254	51	1.6	B, NC	Yes	1.3	V	Yes	AGI*
AA1-6200-3.7	8/25/1997	3.7	Aroclor 1254	46	1.6	B, NC	Yes	1.3	V	Yes	AGI*
E1-12-4.5	8/21/1997	4.5	Aroclor 1254	39.6	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
F0-70-4.5	8/19/1997	4.5	Aroclor 1254	23	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
A3-33-4.0	8/20/1997	4.0	Aroclor 1254	20.2	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
D2-30-4.2	8/19/1997	4.2	Aroclor 1254	19.1	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
AA0-50-4.2	8/25/1997	4.2	Aroclor 1254	15.9	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
D2-43-4.5	8/19/1997	4.5	Aroclor 1254	15	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
C0-21-4.3	8/21/1997	4.3	Aroclor 1254	14.3	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
AA0-44-3.9	8/21/1997	3.9	Aroclor 1254	12.4	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
B0-54-4.6	8/25/1997	4.6	Aroclor 1254	8.1 E	1.6	B, NC	Yes	1.3	V	Yes	AGI*
B0-54-4.6	8/25/1997	4.6	Aroclor 1254	8	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
K2-113-3.9	8/25/1997	3.9	Aroclor 1254	7.9 E	1.6	B, NC	Yes	1.3	V	Yes	AGI*
A4-60-4.1	8/21/1997	4.1	Aroclor 1254	7	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
AA2-81-4.7	8/25/1997	4.7	Aroclor 1254	6.9	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
B0-54-4.6	8/25/1997	4.6	Aroclor 1254	6.3	1.6	B, NC	Yes	1.3	V	Yes	AGI*
PCBPC-Back	8/26/1997		Aroclor 1254	6.2	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
AA2-81-4.7	8/25/1997	4.7	Aroclor 1254	6.1	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*

**Table 4-4**  
**NBF PEL Area, Building 3-333:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
K2-113-3.9	8/25/1997	3.9	Aroclor 1254	5.2	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
G0-72-Sump	8/22/1997		Aroclor 1254	5	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
K2-113-3.9	8/25/1997	3.9	Aroclor 1254	4.7	1.6	B, NC	Yes	1.3	V	Yes	AGI*
PCBPC-Int	8/26/1997		Aroclor 1254	4.5	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
D4-21-5.0	8/25/1997	5.0	Aroclor 1254	4.4	1.6	B, NC	Yes	0.065	S	Yes	AGI 10/10/97*
B0-31-4.0	8/21/1997	4.0	Aroclor 1254	3.5	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
D3-63-2.4	8/21/1997	2.4	Aroclor 1254	3.4	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
A1-31-2.0	8/25/1997	2.0	Aroclor 1254	3.3	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
A1-31-2.0	8/25/1997	2.0	Aroclor 1254	2.4 E	1.6	B, NC	Yes	1.3	V	Yes	AGI*
D4-21-5.0	8/25/1997	5.0	Aroclor 1254	2.2	1.6	B, NC	Yes	0.065	S	Yes	AGI*
A1-31-2.0	8/25/1997	2.0	Aroclor 1254	1.9	1.6	B, NC	Yes	1.3	V	Yes	AGI*
A2-82-2.5	8/25/1997	2.5	Aroclor 1254	1.7	1.6	B, NC	Yes	1.3	V	Yes	AGI 10/10/97*
G0-40-5.2	8/19/1997	5.2	Aroclor 1254	1.1	1.6	B, NC	No	0.065	S	Yes	AGI 10/10/97*
Trough Drain	8/25/1997		Aroclor 1260	3.2	NA	NA	NA	1.3	V	Yes	AGI 10/10/97*
N. Pipe H1	8/20/1997		Diesel Range Hydrocarbons	25500	2000	A	Yes	NA	NA	NA	AGI 10/10/97*
F0-70-4.5	8/19/1997	4.5	Diesel Range Hydrocarbons	7730	2000	A	Yes	NA	NA	NA	AGI 10/10/97*
B0-54-4.6	8/25/1997	4.6	Diesel Range Hydrocarbons	6400	2000	A	Yes	NA	NA	NA	AGI 10/10/97*
H1-10-4.9	8/20/1997	4.9	Diesel Range Hydrocarbons	6390	2000	A	Yes	NA	NA	NA	AGI 10/10/97*
AA1-62-3.7	8/25/1997	3.7	Diesel Range Hydrocarbons	5710	2000	A	Yes	NA	NA	NA	AGI 10/10/97*
E2-30-3.5	8/19/1997	3.5	Diesel Range Hydrocarbons	5250	2000	A	Yes	NA	NA	NA	AGI 10/10/97*
E2-30-3.5	8/19/1997	3.5	Diesel Range Hydrocarbons	4820	2000	A	Yes	NA	NA	NA	AGI 10/10/97*
D2-43-4.5	8/19/1997	4.5	Diesel Range Hydrocarbons	4670	2000	A	Yes	NA	NA	NA	AGI 10/10/97*
AA1-6200-3.7	8/25/1997	3.7	Diesel Range Hydrocarbons	4300	2000	A	Yes	NA	NA	NA	AGI*
H2-12-5.2	8/26/1997	5.2	Diesel Range Hydrocarbons	4220	2000	A	Yes	NA	NA	NA	AGI 10/10/97*
AA1-6200-3.7	8/25/1997	3.7	Diesel Range Hydrocarbons	4100 E	2000	A	Yes	NA	NA	NA	AGI*
AA1-62-3.7	8/25/1997	3.7	Diesel Range Hydrocarbons	4000	2000	A	Yes	NA	NA	NA	AGI*
AA1-62-3.7	8/25/1997	3.7	Diesel Range Hydrocarbons	3900 E	2000	A	Yes	NA	NA	NA	AGI*
B0-54-4.6	8/25/1997	4.6	Diesel Range Hydrocarbons	3900	2000	A	Yes	NA	NA	NA	AGI*
B0-54-4.6	8/25/1997	4.6	Diesel Range Hydrocarbons	3800 E	2000	A	Yes	NA	NA	NA	AGI*
H2-1200-5.2	8/26/1997	5.2	Diesel Range Hydrocarbons	3100 E	2000	A	Yes	NA	NA	NA	AGI*
H2-1200-5.2	8/26/1997	5.2	Diesel Range Hydrocarbons	3100	2000	A	Yes	NA	NA	NA	AGI*
AA2-81-4.7	8/25/1997	4.7	Diesel Range Hydrocarbons	3040	2000	A	Yes	NA	NA	NA	AGI 10/10/97*
H2-12-5.2	8/26/1997	5.2	Diesel Range Hydrocarbons	3000 E	2000	A	Yes	NA	NA	NA	AGI*
H2-12-5.2	8/26/1997	5.2	Diesel Range Hydrocarbons	3000	2000	A	Yes	NA	NA	NA	AGI*
AA2-81-4.7	8/25/1997	4.7	Diesel Range Hydrocarbons	2940	2000	A	Yes	NA	NA	NA	AGI 10/10/97*
D2-30-4.2	8/19/1997	4.2	Diesel Range Hydrocarbons	2630	2000	A	Yes	NA	NA	NA	AGI 10/10/97*
B0-54-4.6	8/25/1997	4.6	Gasoline Range Hydrocarbons	1200	30	A	Yes	NA	NA	NA	AGI*
H2-1200-5.2	8/26/1997	5.2	Gasoline Range Hydrocarbons	1200	30	A	Yes	NA	NA	NA	AGI*
H2-12-5.2	8/26/1997	5.2	Gasoline Range Hydrocarbons	1100	30	A	Yes	NA	NA	NA	AGI*
AA1-6200-3.7	8/25/1997	3.7	Gasoline Range Hydrocarbons	860	30	A	Yes	NA	NA	NA	AGI*
AA1-62-3.7	8/25/1997	3.7	Gasoline Range Hydrocarbons	490	30	A	Yes	NA	NA	NA	AGI*
H4-51-4.6	8/27/1997	4.6	Gasoline Range Hydrocarbons	96	30	A	Yes	NA	NA	NA	AGI*
N. Pipe H1	8/20/1997		PCB, total	25300	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
PCB Pipe W.	8/25/1997		PCB, total	5020	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
H1-10-3.4	8/20/1997	3.4	PCB, total	4150	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
H1-10-4.9	8/20/1997	4.9	PCB, total	1520	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*

**Table 4-4**  
**NBF PEL Area, Building 3-333:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
H2-12-5.2	8/26/1997	5.2	PCB, total	530	0.5	B, Carc	Yes	0.065	S	Yes	AGI 10/10/97*
H2-12-5.2	8/26/1997	5.2	PCB, total	380	0.5	B, Carc	Yes	0.065	S	Yes	AGI*
H2-1200-5.2	8/26/1997	5.2	PCB, total	340	0.5	B, Carc	Yes	0.065	S	Yes	AGI*
J2-42-4.3	8/19/1997	4.3	PCB, total	294	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
F0-10-4.0	8/20/1997	4.0	PCB, total	210	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
E2-30-3.5	8/19/1997	3.5	PCB, total	189.5	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
H4-51-4.6	8/27/1997	4.6	PCB, total	100	0.5	B, Carc	Yes	1.3	V	Yes	AGI*
AA1-62-3.7	8/25/1997	3.7	PCB, total	55.3	0.5	B, Carc	Yes	1.3	V	Yes	AGI*
AA1-6200-3.7	8/25/1997	3.7	PCB, total	46	0.5	B, Carc	Yes	1.3	V	Yes	AGI*
E1-12-4.5	8/21/1997	4.5	PCB, total	39.6	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
F0-70-4.5	8/19/1997	4.5	PCB, total	23	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
A3-33-4.0	8/20/1997	4.0	PCB, total	20.2	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
D2-30-4.2	8/19/1997	4.2	PCB, total	19.1	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
AA0-50-4.2	8/25/1997	4.2	PCB, total	15.9	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
D2-43-4.5	8/19/1997	4.5	PCB, total	15	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
C0-21-4.3	8/21/1997	4.3	PCB, total	14.3	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
AA0-44-3.9	8/21/1997	3.9	PCB, total	12.4	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
B0-54-4.6	8/25/1997	4.6	PCB, total	7.15	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
A4-60-4.1	8/21/1997	4.1	PCB, total	7	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
AA2-81-4.7	8/25/1997	4.7	PCB, total	6.5	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
PCBPC-Back	8/26/1997		PCB, total	6.2	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
G0-72-Sump	8/22/1997		PCB, total	5	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
K2-113-3.9	8/25/1997	3.9	PCB, total	4.95	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
PCBPC-Int	8/26/1997		PCB, total	4.5	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
B0-31-4.0	8/21/1997	4.0	PCB, total	3.5	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
D3-63-2.4	8/21/1997	2.4	PCB, total	3.4	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
D4-21-5.0	8/25/1997	5.0	PCB, total	3.3	0.5	B, Carc	Yes	0.065	S	Yes	AGI*
Trough Drain	8/25/1997		PCB, total	3.2	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
A1-31-2.0	8/25/1997	2.0	PCB, total	2.6	0.5	B, Carc	Yes	1.3	V	Yes	AGI 10/10/97*
D1-70-3.7	8/25/1997	3.7	PCB, total	1.4	0.5	B, Carc	Yes	1.3	V	No	AGI 10/10/97*
A2-82-2.5	8/25/1997	2.5	PCB, total	1.1	0.5	B, Carc	Yes	1.3	V	No	AGI 10/10/97*
G0-40-5.2	8/19/1997	5.2	PCB, total	1.1	0.5	B, Carc	Yes	0.065	S	Yes	AGI 10/10/97*
A4-60-2.4	8/21/1997	2.4	PCB, total	0.6	0.5	B, Carc	Yes	1.3	V	No	AGI 10/10/97*
3-333-23A	9/23/1997		Aroclor 1254	67	1.6	B, NC	Yes	1.3	V	Yes	Equipose 2/10/97*
3-333-23B	9/23/1997		Aroclor 1254	3.9	1.6	B, NC	Yes	1.3	V	Yes	Equipose 2/10/97*
3-333-24A	9/23/1997		Aroclor 1254	3.1	1.6	B, NC	Yes	1.3	V	Yes	Equipose 2/10/97*
3-333-24S	9/16/1997		PCB, total	84	0.5	B, Carc	Yes	1.3	V	Yes	Equipose 2/10/97*
3-333-23D	9/16/1997		PCB, total	77	0.5	B, Carc	Yes	1.3	V	Yes	Equipose 2/10/97*
3-333-23A	9/23/1997		PCB, total	67	0.5	B, Carc	Yes	1.3	V	Yes	Equipose 2/10/97*
3-333-30S	9/16/1997		PCB, total	10	0.5	B, Carc	Yes	1.3	V	Yes	Equipose 2/10/97*
3-333-23B	9/23/1997		PCB, total	3.9	0.5	B, Carc	Yes	1.3	V	Yes	Equipose 2/10/97*
3-333-24A	9/23/1997		PCB, total	3.1	0.5	B, Carc	Yes	1.3	V	Yes	Equipose 2/10/97*
3-333-23S	9/16/1997		PCB, total	2.9	0.5	B, Carc	Yes	1.3	V	Yes	Equipose 2/10/97*
3-333-24D	9/16/1997		PCB, total	0.75	0.5	B, Carc	Yes	1.3	V	No	Equipose 2/10/97*

Notes:

**Table 4-4  
NBF PEL Area, Building 3-333:  
Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
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feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

Soil samples from areas that have been excavated are not included in the table.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Soil-to-Sediment Screening Levels**

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Text** indicates the reported concentration exceeds the soil-to-sediment screening level.

**Data Qualifiers**

B - Indicates the analyte was detected in the associated laboratory method blank

E - Indicates that the value exceeded the linear range of the laboratory equipment

**Table 4-5**  
**NBF PEL Area, Building 3-333:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Concentration (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW151/MW-1	1/25/1995	Aroclor 1254	12	0.32	B, NC	Yes	0.86	Yes	SECOR 2/16/95*
NGW151/MW-1	1/26/1995	Aroclor 1254	12	0.32	B, NC	Yes	0.86	Yes	SECOR 2/16/95
NGW151/MW-1	12/2/1994	Benzene	1.6	0.8	B, Carc	Yes	NA	NA	SECOR 2/16/95*
NGW151/MW-1	12/2/1994	Diesel Range Hydrocarbons	25000	500	A	Yes	NA	NA	SECOR 2/16/95*
NGW151/MW-1	1/25/1995	Diesel Range Hydrocarbons	600	500	A	Yes	NA	NA	SECOR 2/16/95*
NGW151/MW-1	1/26/1995	Diesel Range Hydrocarbons	600	500	A	Yes	NA	NA	SECOR 2/16/95
NGW151/MW-1	12/2/1994	Gasoline Range Hydrocarbons	2800	800	A	Yes	NA	NA	SECOR 2/16/95*
NGW151/MW-1	1/26/1995	PCB, total	12	0.044	B, Carc	Yes	1.5	Yes	SECOR 2/16/95
NGW151/MW-1	12/2/1994	Total Petroleum Hydrocarbons	23000	500	A	Yes	NA	NA	SECOR 2/16/95*
NGW151/MW-1	1/25/1995	Total Petroleum Hydrocarbons	2400	500	A	Yes	NA	NA	SECOR 2/16/95*
NGW151/MW-1	1/26/1995	Total Petroleum Hydrocarbons	2400	500	A	Yes	NA	NA	SECOR 2/16/95
NGW151/MW-1	5/24/1995	Aroclor 1254	34	0.32	B, NC	Yes	0.86	Yes	Not Recorded*
NGW151/MW-1	5/24/1995	Benzene	2.5	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW151/MW-1	5/24/1995	Diesel Range Hydrocarbons	3600	500	A	Yes	NA	NA	Not Recorded*
NGW151/MW-1	5/24/1995	Gasoline Range Hydrocarbons	1000	800	A	Yes	NA	NA	Not Recorded*
NGW151/MW-1	5/24/1995	PCB, total	34	0.044	B, NC	Yes	1.5	Yes	Not Recorded*
NGW151/MW-1	5/24/1995	Total Petroleum Hydrocarbons	5600	500	A	Yes	NA	NA	Not Recorded*
NGW151/MW-1	9/19/1995	Aroclor 1254	61	0.32	B, NC	Yes	0.86	Yes	Not Recorded*
NGW151/MW-1	9/19/1995	Benzene	1.5	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW151/MW-1	9/19/1995	Diesel Range Hydrocarbons	3100	500	A	Yes	NA	NA	Not Recorded*
NGW151/MW-1	9/19/1995	Gasoline Range Hydrocarbons	1300	800	A	Yes	NA	NA	Not Recorded*
NGW151/MW-1	9/19/1995	PCB, total	61	0.044	B, Carc	Yes	1.5	Yes	Not Recorded*
NGW151/MW-1	9/19/1995	Total Petroleum Hydrocarbons	2200	500	A	Yes	NA	NA	Not Recorded*
NGW151/MW-1	3/20/1996	Aroclor 1248	9.9	NA	NA	NA	1.5	Yes	Not Recorded*
NGW151/MW-1	3/20/1996	Aroclor 1254	13	0.32	B, NC	Yes	0.86	Yes	Not Recorded*
NGW151/MW-1	3/20/1996	Diesel Range Hydrocarbons	1100	500	A	Yes	NA	NA	Not Recorded*
NGW151/MW-1	3/20/1996	PCB, total	22.9	0.044	B, Carc	Yes	1.5	Yes	Not Recorded*
NGW151/MW-1	9/5/1996	Aroclor 1248	8.5	NA	NA	NA	1.5	Yes	Not Recorded*
NGW151/MW-1	9/5/1996	Diesel Range Hydrocarbons	1500	500	A	Yes	NA	NA	Not Recorded*
NGW151/MW-1	9/5/1996	Gasoline Range Hydrocarbons	890	800	A	Yes	NA	NA	Not Recorded*
NGW151/MW-1	9/5/1996	PCB, total	8.5	0.044	B, Carc	Yes	1.5	Yes	Not Recorded*
NGW151/MW-1	3/20/1997	Aroclor 1248	11	NA	NA	NA	1.5	Yes	Not Recorded*
NGW151/MW-1	3/20/1997	Aroclor 1254	52	0.32	B, NC	Yes	0.86	Yes	Not Recorded*
NGW151/MW-1	3/20/1997	Diesel Range Hydrocarbons	2200	500	A	Yes	NA	NA	Not Recorded*
NGW151/MW-1	3/20/1997	PCB, total	63	0.044	B, Carc	Yes	1.5	Yes	Not Recorded*
NGW151/MW-1	3/20/1997	Total Petroleum Hydrocarbons	1800	500	A	Yes	NA	NA	Not Recorded*



**Table 4-5**  
**NBF PEL Area, Building 3-333:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Concentration (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW151/MW-1	7/16/1997	Aroclor 1248	4.7	NA	NA	NA	1.5	Yes	AGI 8/8/97*
NGW151/MW-1	7/16/1997	Aroclor 1254	10	0.32	B, NC	Yes	0.86	Yes	AGI 8/8/97*
NGW151/MW-1	7/16/1997	Diesel Range Hydrocarbons	980	500	A	Yes	NA	NA	AGI 8/8/97*
NGW151/MW-1	7/16/1997	PCB, total	14.7	0.044	B, NC	Yes	1.5	Yes	AGI 8/8/97*
NGW151/MW-1	7/16/1997	PCB, total	14.7	0.044	B, Carc	Yes	1.5	Yes	AGI 8/8/97*

**Notes:**

ug/L - micrograms per liter

GW - groundwater

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Groundwater-to-Sediment Screening Levels**

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (WAC 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the groundwater-to-sediment screening level.

**Table 4-6**  
**NBF PEL Area, Building 3-335:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
<b>TP8/4.7</b>	<b>9/22/1998</b>	<b>4.7</b>	<b>Aroclor 1254</b>	<b>7.7</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>AGI 1/15/99</b>
3-335-SS2-100598	10/5/1998	1.0	Arsenic	5.43	0.67	B, Carc	Yes	12000	V	No	AGI 1/15/99
3-335-SS2-100598	10/5/1998	1.0	Chromium	27.95	19	A, Chromium VI	Yes	5400	V	No	AGI 1/15/99
3-335-SS4-100598	10/5/1998	1.0	Chromium	22.69	19	A, Chromium VI	Yes	5400	V	No	AGI 1/15/99
3-335-SS3-100598	10/5/1998	1.0	Chromium	21.72	19	A, Chromium VI	Yes	5400	V	No	AGI 1/15/99
TP8/4.7	9/22/1998	4.7	Gasoline Range Hydrocarbons	560	30	A	Yes	NA	NA	NA	AGI 1/15/99
3-335-SS3-100598	10/5/1998	1.0	Gasoline Range Hydrocarbons	53	30	A	Yes	NA	NA	NA	AGI 1/15/99
<b>TP8/4.7</b>	<b>9/22/1998</b>	<b>4.7</b>	<b>PCB, total</b>	<b>7.7</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>AGI 1/15/99</b>
TP9/4.3	9/22/1998	4.3	PCB, total	0.96	0.5	B, Carc	Yes	1.3	V	No	AGI 1/15/99
3-335-SS-101398	10/13/1998	1.0	PCB, total	0.63	0.5	B, Carc	Yes	1.3	V	No	AGI 1/15/99
3-335-SS1-100598	10/5/1998	1.0	PCB, total	0.61 J	0.5	B, Carc	Yes	1.3	V	No	AGI 1/15/99
3-335-SS3-100598	10/5/1998	1.0	PCB, total	0.56 J	0.5	B, Carc	Yes	1.3	V	No	AGI 1/15/99
3-335-SS4-100598	10/5/1998	1.0	PCB, total	0.56 J	0.5	B, Carc	Yes	1.3	V	No	AGI 1/15/99

**Notes:**

feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

Soil samples from areas that have been excavated are not included in the table.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Soil-to-Sediment Screening Levels**

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the soil-to-sediment screening level.

**Data Qualifiers**

J - Estimated value between the laboratory reporting limit and the method detection limit

**Table 4-7**  
**NBF PEL Area, Former F&G Facility:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Concentration (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
MW-11/FG-11	7/21/1992	Benzene	1.1	0.8	B, Carc	Yes	NA	NA	SECOR 10/25/94*
MW-7/FG-7	8/14/1986	Jet Fuel A	1580	500	A, Diesel	Yes	NA	NA	Landau 9/9/86
MW-6/FG-6	8/14/1986	Jet Fuel A	1390	500	A, Diesel	Yes	NA	NA	Landau 9/9/86
MW-11/FG-11	10/28/1992	Total Petroleum Hydrocarbons	3600	500	A	Yes	NA	NA	SECOR 10/25/94*
MW-11/FG-11	3/31/1992	Total Petroleum Hydrocarbons	2400	500	A	Yes	NA	NA	SECOR 10/25/94*
MW-11/FG-11	10/26/1993	Total Petroleum Hydrocarbons	1900	500	A	Yes	NA	NA	SECOR 10/25/94*
MW-11/FG-11	1/25/1993	Total Petroleum Hydrocarbons	1100	500	A	Yes	NA	NA	SECOR 10/25/94*
MW-11/FG-11	7/21/1992	Total Petroleum Hydrocarbons	1000	500	A	Yes	NA	NA	SECOR 10/25/94*
MW-5/FG-5	10/26/1993	Total Petroleum Hydrocarbons	1000	500	A	Yes	NA	NA	SECOR 10/25/94*
MW-5/FG-5	7/21/1992	Total Petroleum Hydrocarbons	790	500	A	Yes	NA	NA	SECOR 10/25/94*
MW-5/FG-5	7/20/1993	Total Petroleum Hydrocarbons	720	500	A	Yes	NA	NA	SECOR 10/25/94*
MW-5/FG-5	8/14/1986	Total Petroleum Hydrocarbons	560	500	A	Yes	NA	NA	Landau 9/9/86

**Notes:**

ug/L - micrograms per liter

GW - groundwater

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Groundwater-to-Sediment Screening Levels**

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (WAC 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Table 4-8**  
**NBF-PEL Area, Former Building 3-304:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
S4	11/5/2001	5.0	Aroclor 1254	1.8	1.6	B, NC	Yes	1.3	V	Yes	CDM 12/14/01
S5	11/5/2001	6.0	Arsenic	11	0.67	B, Carc	Yes	590	S	No	CDM 12/14/01
S4	11/5/2001	5.0	Arsenic	8	0.67	B, Carc	Yes	12000	V	No	CDM 12/14/01
S5	11/5/2001	6.0	Gasoline Range Hydrocarbons	1100	30	A	Yes	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	Gasoline Range Hydrocarbons	660	30	A	Yes	NA	NA	NA	CDM 12/14/01
S4	11/5/2001	5.0	Gasoline Range Hydrocarbons	92	30	A	Yes	NA	NA	NA	CDM 12/14/01
S4	11/5/2001	5.0	Gasoline Range Hydrocarbons	67	30	A	Yes	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	Mercury	2.68	2	A	Yes	0.030	S	Yes	CDM 12/14/01
S4	11/5/2001	5.0	PCB, total	1.8	0.5	B, Carc	Yes	1.3	V	Yes	CDM 12/14/01

**Notes:**

feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

Soil samples from areas that have been excavated are not included in the table.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Soil-to-Sediment Screening Levels**

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the soil-to-sediment screening level.

**Table 4-9**  
**NBF PEL Area, Building 3-353:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to- Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to- Sediment Screening Level Exceedence	Source
SB-2	9/21/1989	2.5	Arsenic	28.0	0.67	B, Carc	Yes	12000	V	No	GTI 3/1990
SB-1	9/21/1989	2.5	Arsenic	11.0	0.67	B, Carc	Yes	12000	V	No	GTI 3/1990
SB-5	9/21/1989	2.5	Arsenic	8.9	0.67	B, Carc	Yes	12000	V	No	GTI 3/1990
SB-4	9/21/1989	2.5	Arsenic	3.2	0.67	B, Carc	Yes	12000	V	No	GTI 3/1990
SB-3	9/21/1989	2.5	Arsenic	2.9	0.67	B, Carc	Yes	12000	V	No	GTI 3/1990
SB-2	9/21/1989	2.5	Chromium	560	19	A, Chromium VI	Yes	5400	V	No	GTI 3/1990
SB-1	9/21/1989	2.5	Chromium	290	19	A, Chromium VI	Yes	5400	V	No	GTI 3/1990
SB-3	9/21/1989	5.5	PCB, total	2.9	0.5	B, Carc	Yes	1.3	V	Yes	GTI 3/1990

**Notes:**

feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

Soil samples from areas that have been excavated are not included in the table.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Soil-to-Sediment Screening Levels**

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the soil-to-sediment screening level.

**Table 4-10**  
**NBF PEL Area, Green Hornet Area:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Exceedence	Source
EX-DE2-8.5	9/14/1993	8.5	2-Methyl naphthalene	26	320	B, NC	No	0.073	S	Yes	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	2-Methyl naphthalene	4.9	320	B, NC	No	0.073	S	Yes	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	2-Methyl naphthalene	0.33 M	320	B, NC	No	0.073	S	Yes	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Benzo(a)anthracene	0.29	NA	NA	NA	0.27	S	Yes	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Benzo(a)anthracene	0.29	NA	NA	NA	0.27	S	Yes	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Benzo(a)pyrene	0.18	0.137	B, Carc	Yes	0.21	S	No	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Benzo(a)pyrene	0.17	0.137	B, Carc	Yes	0.21	S	No	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	bis(2-Ethylhexyl)phthalate	3.8	71	B, Carc	No	0.078	S	Yes	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	bis(2-Ethylhexyl)phthalate	3.7	71	B, Carc	No	0.078	S	Yes	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Dibenzofuran	0.3	160	B, NC	No	0.059	S	Yes	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Diesel Range Hydrocarbons	3900	2000	A	Yes	NA	NA	NA	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Fluorene	0.21	3200	B, NC	No	0.081	S	Yes	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Gasoline Range Hydrocarbons	2500	30	A	Yes	NA	NA	NA	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Gasoline Range Hydrocarbons	2500	30	A	Yes	NA	NA	NA	SECOR 4/15/94*
MW2@6-6.5	11/29/1993	6	Gasoline Range Hydrocarbons	2000	30	A	Yes	NA	NA	NA	SECOR 4/13/94*
EX-DE2-8.5	9/14/1993	8.5	Gasoline Range Hydrocarbons	1400	30	A	Yes	NA	NA	NA	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Gasoline Range Hydrocarbons	1300	30	A	Yes	NA	NA	NA	SECOR 4/15/94*
MW4@6.5-7	11/29/1993	6.5	Gasoline Range Hydrocarbons	560	30	A	Yes	NA	NA	NA	SECOR 4/13/94*
MW4@6.5-7	11/29/1993	6.5	Gasoline Range Hydrocarbons	500	30	A	Yes	NA	NA	NA	SECOR 4/13/94*
EX-DWW-8	9/10/1993	8	Gasoline Range Hydrocarbons	260	30	A	Yes	NA	NA	NA	SECOR 4/15/94*
EX-2-NE	9/7/1993	9	Gasoline Range Hydrocarbons	210	30	A	Yes	NA	NA	NA	SECOR 4/15/94*
MW2@6-6.5	11/29/1993	6	Gasoline Range Hydrocarbons	210	30	A	Yes	NA	NA	NA	SECOR 4/13/94*
EX-2-NE	9/7/1993	9	Gasoline Range Hydrocarbons	180	30	A	Yes	NA	NA	NA	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Gasoline Range Hydrocarbons	150	30	A	Yes	NA	NA	NA	SECOR 4/15/94*
MW4@10.5-11	11/29/1993	10.5	Gasoline Range Hydrocarbons	52	30	A	Yes	NA	NA	NA	SECOR 4/13/94*
EX-SSE-4	9/13/1993	4	Mercury	0.38	2	A	No	0.030	S	Yes	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	Mercury	0.11	2	A	No	0.030	S	Yes	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	Mercury	0.09	2	A	No	0.030	S	Yes	SECOR 4/15/94*
EX-DNW-8	9/14/1993	8	Mercury	0.07	2	A	No	0.030	S	Yes	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Naphthalene	14	5	A	Yes	0.20	S	Yes	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Naphthalene	2.2	5	A	No	0.20	S	Yes	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	PAHs, total carcinogenic	0.50915	0.14	B, Carc	Yes	NA	NA	NA	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Total Petroleum Hydrocarbons	3600	2000	A	Yes	NA	NA	NA	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Xylenes, total	15	9	A	Yes	NA	NA	NA	SECOR 4/15/94*

**Notes:**

feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

Soil samples from areas that have been excavated are not included in the table.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Soil-to-Sediment Screening Levels**

**Table 4-10**  
**NBF PEL Area, Green Hornet Area:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

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V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the soil-to-sediment screening level.

**Data Qualifiers**

M - Indicates an estimated value of the analyte was found and confirmed by analyst, but with low spectral match parameters



**Table 4-11**  
**NBF PEL Area, Green Hornet Area**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW102/GH-MW-2	8/14/1986	Benzene	6	0.8	B, Carc	Yes	NA	NA	Landau 9/9/86
NGW103/GH-MW-3	8/14/1986	Kerosene	1440	500	A, Diesel	Yes	NA	NA	Landau 9/9/86
NGW102/GH-MW-2	8/14/1986	Kerosene	1390	500	A, Diesel	Yes	NA	NA	Landau 9/9/86
NGW104/GH-MW-4	8/14/1986	Kerosene	540	500	A, Diesel	Yes	NA	NA	Landau 9/9/86
NGW103/GH-MW-3	8/14/1986	Total Petroleum Hydrocarbons	1440	500	A	Yes	NA	NA	Landau 9/9/86
NGW102/GH-MW-2	8/14/1986	Total Petroleum Hydrocarbons	1390	500	A	Yes	NA	NA	Landau 9/9/86
NGW104/GH-MW-4	8/14/1986	Total Petroleum Hydrocarbons	540	500	A	Yes	NA	NA	Landau 9/9/86
GH-2	3/31/1992	Total Petroleum Hydrocarbons	79000	500	A	Yes	NA	NA	SECOR 7/5/96*
GH-3	3/31/1992	Total Petroleum Hydrocarbons	15000	500	A	Yes	NA	NA	SECOR 7/5/96*
GH-2	7/22/1992	Total Petroleum Hydrocarbons	280000	500	A	Yes	NA	NA	SECOR 7/5/96*
GH-3	7/21/1992	Total Petroleum Hydrocarbons	1100	500	A	Yes	NA	NA	SECOR 7/5/96*
GH-1	1/25/1993	Benzene	1.3	0.8	B, Carc	Yes	NA	NA	SECOR 7/5/96*
GH-2	1/25/1993	Total Petroleum Hydrocarbons	250000	500	A	Yes	NA	NA	SECOR 7/5/96*
GH-3	1/25/1993	Total Petroleum Hydrocarbons	930	500	A	Yes	NA	NA	SECOR 7/5/96*
NGW105/GH-MW-5	12/7/1993	Diesel Range Hydrocarbons	5000	500	A	Yes	NA	NA	SECOR 4/13/94*
NGW104/GH-MW-4	12/7/1993	Gasoline Range Hydrocarbons	3200	800	A	Yes	NA	NA	SECOR 4/13/94*
NGW104/GH-MW-4	12/7/1993	Total Petroleum Hydrocarbons	8800	500	A	Yes	NA	NA	SECOR 4/13/94*
NGW104/GH-MW-4	1/26/1994	Benzene	1	0.8	B, Carc	Yes	NA	NA	SECOR 7/5/96*
NGW104/GH-MW-4	1/26/1994	Total Petroleum Hydrocarbons	3600	500	A	Yes	NA	NA	SECOR 7/5/96*
NGW105/GH-MW-5	4/15/1994	Benzene	3.4	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW104/GH-MW-4	4/15/1994	Diesel Range Hydrocarbons	4000	500	A	Yes	NA	NA	Not Recorded*
NGW102/GH-MW-2	7/20/1994	Benzene	3.6	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW102/GH-MW-2	7/20/1994	Benzene	3.5	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW105/GH-MW-5	7/20/1994	Benzene	2	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW105/GH-MW-5	10/24/1994	Benzene	3.7	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW104/GH-MW-4	10/24/1994	Diesel Range Hydrocarbons	550	500	A	Yes	NA	NA	Not Recorded*
NGW105/GH-MW-5	1/24/1995	Benzene	3.3	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW104/GH-MW-4	1/24/1995	Diesel Range Hydrocarbons	7300	500	A	Yes	NA	NA	Not Recorded*
NGW105/GH-MW-5	9/8/1995	Benzene	2.2	0.8	B, Carc	Yes	NA	NA	Not Recorded*

**Table 4-11**  
**NBF PEL Area, Green Hornet Area**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW104/GH-MW-4	9/8/1995	Diesel Range Hydrocarbons	14000	500	A	Yes	NA	NA	Not Recorded*
NGW104/GH-MW-4	3/26/1996	Diesel Range Hydrocarbons	570	500	A	Yes	NA	NA	Not Recorded*
NGW104/GH-MW-4	3/17/1997	Diesel Range Hydrocarbons	2700	500	A	Yes	NA	NA	Not Recorded*
NGW104/GH-MW-4	8/29/1997	Diesel Range Hydrocarbons	2300	500	A	Yes	NA	NA	Not Recorded*
NGW104/GH-MW-4	2/19/2001	Diesel Range Hydrocarbons	810	500	A	Yes	NA	NA	Not Recorded*
NGW104/GH-MW-4	2/19/2001	Jet Fuel A	790	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW104/GH-MW-4	2/25/2002	Diesel Range Hydrocarbons	910	500	A	Yes	NA	NA	Not Recorded*
NGW104/GH-MW-4	2/25/2002	Jet Fuel A	990	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW104/GH-MW-4	2/19/2003	Diesel Range Hydrocarbons	670	500	A	Yes	NA	NA	Not Recorded*
NGW104/GH-MW-4	2/19/2003	Jet Fuel A	740	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW104/GH-MW-4	2/20/2006	Diesel Range Hydrocarbons	1000	500	A	Yes	NA	NA	Not Recorded*
NGW104/GH-MW-4	2/20/2006	Jet Fuel A	1200	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW104/GH-MW-4	2/21/2007	Diesel Range Hydrocarbons	600	500	A	Yes	NA	NA	Not Recorded*
NGW104/GH-MW-4	2/21/2007	Jet Fuel A	750	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW104/GH-MW-4	2/19/2008	Jet Fuel A	590	500	A, Diesel	Yes	NA	NA	Not Recorded*

**Notes:**

ug/L - micrograms per liter

GW - groundwater

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Groundwater-to-Sediment Screening Levels**

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (WAC 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Table 4-12**  
**NBF Central Area, Concourse A:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
A5 @ 6.0	7/25/1996	6	2-Methyl naphthalene	8.9	320	B, NC	No	1.4	V	Yes	Not Recorded*
A5 @ 6.0	7/25/1996	6	Benzene	0.11574	0.03	A	Yes	NA	NA	NA	SECOR 10/3/96*
A5 @ 6.0	7/25/1996	6	Diesel Range Hydrocarbons	3900	2000	A	Yes	NA	NA	NA	Not Recorded*
A5 @ 6.0	7/25/1996	6	Diesel Range Hydrocarbons	3300	2000	A	Yes	NA	NA	NA	Not Recorded*
A5 @ 6.0	7/25/1996	6	Gasoline Range Hydrocarbons	8500	30	A	Yes	NA	NA	NA	Not Recorded*
A5 @ 6.0	7/25/1996	6	Gasoline Range Hydrocarbons	7100	30	A	Yes	NA	NA	NA	Not Recorded*

**Notes:**

feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

Soil samples from areas that have been excavated are not included in the table.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Soil-to-Sediment Screening Levels**

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the soil-to-sediment screening level.

**Table 4-13**  
**NBF PEL Area, Concourse A:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Sample Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
A5	7/25/1996	2-Methyl naphthalene	56	32	B, NC	Yes	31	Yes	Not Recorded*
A5	7/25/1996	Arsenic	80	0.058	B, Carc	Yes	370	No	SECOR 10/3/96*
A5	7/25/1996	bis(2-Ethylhexyl)phthalate	7.6	6.3	B, Carc	Yes	0.47	Yes	Not Recorded*
A6	7/25/1996	bis(2-Ethylhexyl)phthalate	1.2	6.3	B, Carc	No	0.47	Yes	Not Recorded*
A6	7/25/1996	Cadmium	10	5	A	Yes	3.4	Yes	SECOR 10/3/96*
A6	7/25/1996	Chromium	500	50	A	Yes	320	Yes	SECOR 10/3/96*
A5	7/25/1996	Chromium	300	50	A	Yes	320	No	SECOR 10/3/96*
A6	7/25/1996	Copper	750	590	B, NC	Yes	120	Yes	SECOR 10/3/96*
A5	7/25/1996	Copper	410	590	B, NC	No	120	Yes	SECOR 10/3/96*
A6	7/25/1996	Lead	150	15	A	Yes	13	Yes	SECOR 10/3/96*
A5	7/25/1996	Lead	100	15	A	Yes	13	Yes	SECOR 10/3/96*
A5	7/25/1996	Manganese	2930	2200	B, NC	Yes	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Manganese	2480	2200	B, NC	Yes	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Selenium	150	80	B, NC	Yes	NA	NA	SECOR 10/3/96*
A5	7/25/1996	Total Petroleum Hydrocarbons	2000	500	A	Yes	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Vanadium	850	110	B, NC	Yes	NA	NA	SECOR 10/3/96*
A5	7/25/1996	Vanadium	470	110	B, NC	Yes	NA	NA	SECOR 10/3/96*
A5	7/25/1996	Zinc	3610	4800	B, NC	No	76	Yes	SECOR 10/3/96*
A6	7/25/1996	Zinc	2910	4800	B, NC	No	76	Yes	SECOR 10/3/96*

**Notes:**

ug/L - micrograms per liter

GW - groundwater

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Groundwater-to-Sediment Screening Levels**

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (WAC 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the groundwater-to-sediment screening level.

**Table 4-14**  
**NBF Central Area, Former Buildings 3-360 and 3-361 and Building 3-365:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
360/1/S-HA-1-4.5	11/14/1991	4.5	Arsenic	1.8	0.67	B, Carc	Yes	12000	V	No	SEACOR 2/14/92*
360/1/S-SB-4-4.5	11/14/1991	4.5	Arsenic	1.5	0.67	B, Carc	Yes	12000	V	No	SEACOR 2/14/92*
360/1/S-SB-7-4.5	11/14/1991	4.5	Arsenic	1.4	0.67	B, Carc	Yes	12000	V	No	SEACOR 2/14/92*
360/1/5-SB-2-8	11/13/1991	8	Methylene Chloride	0.76 B	0.02	A	Yes	NA	NA	NA	SEACOR 2/14/92*
360/1/S-HA-2-7	11/14/1991	7	Methylene Chloride	0.72 B	0.02	A	Yes	NA	NA	NA	SEACOR 2/14/92*
360/1/S-SB-4-7.5	11/14/1991	7.5	Methylene Chloride	0.71 B	0.02	A	Yes	NA	NA	NA	SEACOR 2/14/92*
360/1/S-SB-7-7.5	11/14/1991	7.5	Methylene Chloride	0.65 B	0.02	A	Yes	NA	NA	NA	SEACOR 2/14/92*
360/1/5-SB-1-8.5	11/13/1991	8.5	Methylene Chloride	0.57 B	0.02	A	Yes	NA	NA	NA	SEACOR 2/14/92*
SS4-7-7.5	3/26/2002	7	Arsenic	3	0.67	B, Carc	Yes	12000	V	No	Not Recorded*
SS2-7-7.5	3/25/2002	7	Arsenic	2	0.67	B, Carc	Yes	12000	V	No	Not Recorded*
SS1-9-9.5	3/25/2002	9	Arsenic	1.1	0.67	B, Carc	Yes	12000	V	No	Not Recorded*
SS5-7-7.5	3/26/2002	7	Arsenic	1.1	0.67	B, Carc	Yes	12000	V	No	Not Recorded*
SS6-9-9.5	3/26/2002	9	Trichloroethene	5.4	0.03	A	Yes	NA	NA	NA	Not Recorded*
SS1-9-9.5	3/25/2002	9	Trichloroethene	3.7	0.03	A	Yes	NA	NA	NA	Not Recorded*
SS5-7-7.5	3/26/2002	7	Trichloroethene	0.34	0.03	A	Yes	NA	NA	NA	Not Recorded*
SS4-7-7.5	3/26/2002	7	Trichloroethene	0.24	0.03	A	Yes	NA	NA	NA	Not Recorded*
SS3-7-7.5	3/25/2002	7	Trichloroethene	0.15	0.03	A	Yes	NA	NA	NA	Not Recorded*
DPI-8-10	5/23/2002	8.0	Trichloroethene	0.2	0.03	A	Yes	NA	NA	NA	Landau 7/29/02

**Notes:**

feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

Soil samples from areas that have been excavated are not included in the table.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Soil-to-Sediment Screening Levels**

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the soil-to-sediment screening level.

**Data Qualifiers**

B - Indicates the analyte was detected in the associated laboratory method blank

**Table 4-15**  
**NBF Central Area, Former Buildings 3-360 and 3-361 and Building 3-365**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW201/MW-1	11/20/1991	Tetrachloroethene	5	0.081	B, Carc	Yes	NA	NA	SEACOR 2/14/92*
NGW204/MW-4	11/20/1991	Total Petroleum Hydrocarbons	4600	500	A	Yes	NA	NA	SEACOR 2/14/92*
NGW201/MW-1	11/20/1991	Total Petroleum Hydrocarbons	1400	500	A	Yes	NA	NA	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	Total Petroleum Hydrocarbons	1000	500	A	Yes	NA	NA	SEACOR 2/14/92*
NGW201/MW-1	11/20/1991	Trichloroethene	1000	0.49	B, Carc	Yes	NA	NA	SEACOR 2/14/92*
NGW201/MW-1	7/23/1993	Arsenic	5	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW203/MW-3	7/23/1993	Arsenic	4	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW202/MW-2	7/23/1993	Arsenic	3	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW204/MW-4	7/23/1993	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
<b>NGW201/MW-1</b>	<b>7/23/1993</b>	<b>Cadmium</b>	<b>5</b>	<b>5</b>	<b>A</b>	<b>No</b>	<b>3.4</b>	<b>Yes</b>	<b>SECOR 2/9/96*</b>
<b>NGW202/MW-2</b>	<b>7/23/1993</b>	<b>Cadmium</b>	<b>5</b>	<b>5</b>	<b>A</b>	<b>No</b>	<b>3.4</b>	<b>Yes</b>	<b>SECOR 2/9/96*</b>
<b>NGW203/MW-3</b>	<b>7/23/1993</b>	<b>Cadmium</b>	<b>5</b>	<b>5</b>	<b>A</b>	<b>No</b>	<b>3.4</b>	<b>Yes</b>	<b>SECOR 2/9/96*</b>
NGW202/MW-2	7/23/1993	Methylene Chloride	11	5	A	Yes	NA	NA	SECOR 2/9/96*
NGW202/MW-2	7/23/1993	Tetrachloroethene	4.1	0.081	B, Carc	Yes	NA	NA	SECOR 2/9/96*
NGW203/MW-3	7/23/1993	Tetrachloroethene	3.3	0.081	B, Carc	Yes	NA	NA	SECOR 2/9/96*
NGW201/MW-1	7/23/1993	Tetrachloroethene	1	0.081	B, Carc	Yes	NA	NA	SECOR 2/9/96*
NGW203/MW-3	7/23/1993	Trichloroethene	620	0.49	B, Carc	Yes	NA	NA	SECOR 2/9/96*
NGW201/MW-1	7/23/1993	Trichloroethene	12	0.49	B, Carc	Yes	NA	NA	SECOR 2/9/96*
NGW202/MW-2	7/23/1993	Trichloroethene	7.5	0.49	B, Carc	Yes	NA	NA	SECOR 2/9/96*
NGW203/MW-3	10/27/1993	Arsenic	21	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW201/MW-1	10/27/1993	Arsenic	10	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW204/MW-4	10/27/1993	Arsenic	6	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW202/MW-2	10/27/1993	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
<b>NGW202/MW-2</b>	<b>10/27/1993</b>	<b>Cadmium</b>	<b>5</b>	<b>5</b>	<b>A</b>	<b>No</b>	<b>3.4</b>	<b>Yes</b>	<b>SECOR 2/9/96*</b>
NGW203/MW-3	10/27/1993	Tetrachloroethene	6.5	0.081	B, Carc	Yes	NA	NA	SECOR 2/9/96*
NGW201/MW-1	10/27/1993	Tetrachloroethene	1.8	0.081	B, Carc	Yes	NA	NA	SECOR 2/9/96*
NGW202/MW-2	10/27/1993	Tetrachloroethene	1.1	0.081	B, Carc	Yes	NA	NA	SECOR 2/9/96*
NGW203/MW-3	10/27/1993	Trichloroethene	810	0.49	B, Carc	Yes	NA	NA	SECOR 2/9/96*
NGW201/MW-1	10/27/1993	Trichloroethene	280	0.49	B, Carc	Yes	NA	NA	SECOR 2/9/96*
NGW202/MW-2	10/27/1993	Trichloroethene	2	0.49	B, Carc	Yes	NA	NA	SECOR 2/9/96*
NGW203/MW-3	10/27/1993	Vinyl Chloride	0.23	0.029	B, Carc	Yes	NA	NA	SECOR 2/9/96*
NGW203/MW-3	1/25/1994	Arsenic	7	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW204/MW-4	1/25/1994	Arsenic	4	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW201/MW-1	1/25/1994	Arsenic	3	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW202/MW-2	1/25/1994	Arsenic	1	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW203/MW-3	1/25/1994	Tetrachloroethene	7.8	0.081	B, Carc	Yes	NA	NA	SECOR 2/9/96*
NGW202/MW-2	1/25/1994	Tetrachloroethene	4.7	0.081	B, Carc	Yes	NA	NA	SECOR 2/9/96*
NGW201/MW-1	1/25/1994	Tetrachloroethene	1.5	0.081	B, Carc	Yes	NA	NA	SECOR 2/9/96*
NGW203/MW-3	1/25/1994	Trichloroethene	1300	0.49	B, Carc	Yes	NA	NA	SECOR 2/9/96*

**Table 4-15**  
**NBF Central Area, Former Buildings 3-360 and 3-361 and Building 3-365**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW201/MW-1	1/25/1994	Trichloroethene	240	0.49	B, Carc	Yes	NA	NA	SECOR 2/9/96*
NGW202/MW-2	1/25/1994	Trichloroethene	7.8	0.49	B, Carc	Yes	NA	NA	SECOR 2/9/96*
NGW201/MW-1	4/20/1994	Arsenic	7	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW203/MW-3	4/20/1994	Arsenic	6	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW202/MW-2	4/20/1994	Arsenic	5	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW204/MW-4	4/20/1994	Arsenic	4	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW203/MW-3	4/20/1994	Tetrachloroethene	4.5	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW202/MW-2	4/20/1994	Tetrachloroethene	1.9	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	4/20/1994	Trichloroethene	730	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	Trichloroethene	280	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW202/MW-2	4/20/1994	Trichloroethene	3.5	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	7/20/1994	Arsenic	15	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW201/MW-1	7/20/1994	Arsenic	10	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW204/MW-4	7/20/1994	Arsenic	8	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW201/MW-1	7/20/1994	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW202/MW-2	7/20/1994	Arsenic	1	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW203/MW-3	7/20/1994	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW204/MW-4	7/20/1994	Arsenic	1	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
<b>NGW201/MW-1</b>	<b>7/20/1994</b>	<b>Cadmium</b>	<b>6</b>	<b>5</b>	<b>A</b>	<b>Yes</b>	<b>3.4</b>	<b>Yes</b>	<b>SECOR 2/9/96*</b>
NGW203/MW-3	7/20/1994	Tetrachloroethene	7	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW202/MW-2	7/20/1994	Tetrachloroethene	1.2	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	7/20/1994	Tetrachloroethene	1	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	7/20/1994	Trichloroethene	730	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	7/20/1994	Trichloroethene	90	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW202/MW-2	7/20/1994	Trichloroethene	2.4	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	7/20/1994	Vinyl Chloride	0.22	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	7/20/1994	Vinyl Chloride	0.064	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	10/24/1994	Arsenic	18	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW201/MW-1	10/24/1994	Arsenic	14	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW204/MW-4	10/24/1994	Arsenic	8	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW202/MW-2	10/24/1994	Arsenic	5	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW201/MW-1	10/24/1994	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW204/MW-4	10/24/1994	Arsenic	1	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW203/MW-3	10/24/1994	Tetrachloroethene	6.2	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	10/24/1994	Tetrachloroethene	1.8	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	10/24/1994	Trichloroethene	890	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	10/24/1994	Trichloroethene	120	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW202/MW-2	10/24/1994	Trichloroethene	1.5	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	10/24/1994	Vinyl Chloride	0.11	0.029	B, Carc	Yes	NA	NA	Not Recorded*



**Table 4-15**  
**NBF Central Area, Former Buildings 3-360 and 3-361 and Building 3-365**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW201/MW-1	10/24/1994	Vinyl Chloride	0.079	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW202/MW-2	1/24/1995	Arsenic	13	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW201/MW-1	1/24/1995	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW203/MW-3	1/24/1995	Arsenic	1	0.058	B, Carc	Yes	370	No	SECOR 2/9/96*
NGW202/MW-2	1/24/1995	Tetrachloroethene	1.9	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	1/24/1995	Tetrachloroethene	1.2	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	1/24/1995	Tetrachloroethene	1	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	1/24/1995	Trichloroethene	160	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	1/24/1995	Trichloroethene	110	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW202/MW-2	1/24/1995	Trichloroethene	2.7	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	1/24/1995	Vinyl Chloride	0.075	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	5/12/1995	Arsenic	145	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW201/MW-1	5/11/1995	Arsenic	45	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW204/MW-4	5/11/1995	Arsenic	42	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW202/MW-2	5/11/1995	Arsenic	35	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW206/MW-6	5/12/1995	Arsenic	32	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW207/MW-7	5/12/1995	Arsenic	32	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW206/MW-6	5/12/1995	Arsenic	30	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW203/MW-3	5/11/1995	Arsenic	27	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW208/MW-8	5/12/1995	Arsenic	22	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW207/MW-7	5/12/1995	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW207/MW-7	5/12/1995	Chromium	122	50	A	Yes	320	No	Not Recorded*
NGW206/MW-6	5/12/1995	Chromium	97	50	A	Yes	320	No	Not Recorded*
NGW206/MW-6	5/12/1995	Chromium	95	50	A	Yes	320	No	Not Recorded*
NGW205/MW-5	5/12/1995	Chromium	70	50	A	Yes	320	No	Not Recorded*
NGW206/MW-6	5/12/1995	Lead	75	15	A	Yes	13	Yes	Not Recorded*
NGW206/MW-6	5/12/1995	Lead	74	15	A	Yes	13	Yes	Not Recorded*
NGW207/MW-7	5/12/1995	Lead	28	15	A	Yes	13	Yes	Not Recorded*
NGW208/MW-8	5/12/1995	Lead	28	15	A	Yes	13	Yes	Not Recorded*
NGW205/MW-5	5/12/1995	Lead	22	15	A	Yes	13	Yes	Not Recorded*
NGW206/MW-6	5/12/1995	Mercury	0.3	2	A	No	0.0074	Yes	Not Recorded*
NGW207/MW-7	5/12/1995	Mercury	0.3	2	A	No	0.0074	Yes	Not Recorded*
NGW204/MW-4	5/11/1995	Mercury	0.2	2	A	No	0.0074	Yes	Not Recorded*
NGW205/MW-5	5/12/1995	Mercury	0.2	2	A	No	0.0074	Yes	Not Recorded*
NGW206/MW-6	5/12/1995	Mercury	0.2	2	A	No	0.0074	Yes	Not Recorded*
NGW202/MW-2	5/11/1995	Mercury	0.1	2	A	No	0.0074	Yes	Not Recorded*
NGW203/MW-3	5/11/1995	Mercury	0.1	2	A	No	0.0074	Yes	Not Recorded*
NGW208/MW-8	5/12/1995	Mercury	0.1	2	A	No	0.0074	Yes	Not Recorded*
NGW206/MW-6	5/12/1995	Trichloroethene	260	0.49	B, Carc	Yes	NA	NA	Not Recorded*

**Table 4-15**  
**NBF Central Area, Former Buildings 3-360 and 3-361 and Building 3-365**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW206/MW-6	5/12/1995	Trichloroethene	190	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	5/12/1995	Trichloroethene	160	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	5/11/1995	Trichloroethene	150	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	5/11/1995	Trichloroethene	94	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	5/12/1995	Trichloroethene	8.8	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW207/MW-7	5/12/1995	Trichloroethene	5.4	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	Vinyl Chloride	0.9	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Vinyl Chloride	0.1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Vinyl Chloride	0.1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	5/11/1995	Vinyl Chloride	0.091	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	5/12/1995	Vinyl Chloride	0.072	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	5/11/1995	Vinyl Chloride	0.033	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	9/14/1995	Arsenic	105	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW202/MW-2	9/14/1995	Arsenic	100	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW204/MW-4	9/14/1995	Arsenic	43	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW201/MW-1	9/14/1995	Arsenic	38	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW206/MW-6	9/14/1995	Arsenic	33	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW203/MW-3	9/14/1995	Arsenic	16	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW208/MW-8	9/14/1995	Arsenic	13	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW207/MW-7	9/14/1995	Arsenic	11	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW204/MW-4	9/14/1995	Arsenic	2	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW208/MW-8	9/14/1995	Arsenic	2	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW201/MW-1	9/14/1995	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW202/MW-2	9/14/1995	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW203/MW-3	9/14/1995	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW206/MW-6	9/14/1995	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW207/MW-7	9/14/1995	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW206/MW-6	9/14/1995	Chromium	57	50	A	Yes	320	No	Not Recorded*
NGW206/MW-6	9/14/1995	Lead	39	15	A	Yes	13	Yes	Not Recorded*
NGW202/MW-2	9/14/1995	Lead	24	15	A	Yes	13	Yes	Not Recorded*
NGW202/MW-2	9/14/1995	Mercury	0.2	2	A	No	0.0074	Yes	Not Recorded*
NGW204/MW-4	9/14/1995	Mercury	0.2	2	A	No	0.0074	Yes	Not Recorded*
NGW203/MW-3	9/14/1995	Tetrachloroethene	2.4	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	9/14/1995	Trichloroethene	200	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	9/14/1995	Trichloroethene	190	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	9/14/1995	Trichloroethene	120	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	9/14/1995	Trichloroethene	120	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	9/14/1995	Trichloroethene	18	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	Trichloroethene	7.6	0.49	B, Carc	Yes	NA	NA	Not Recorded*

**Table 4-15**  
**NBF Central Area, Former Buildings 3-360 and 3-361 and Building 3-365**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW207/MW-7	9/14/1995	Trichloroethene	6.7	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW202/MW-2	9/14/1995	Trichloroethene	1.4	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW202/MW-2	9/14/1995	Vinyl Chloride	0.17	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	9/14/1995	Vinyl Chloride	0.06	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	9/14/1995	Vinyl Chloride	0.052	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	9/14/1995	Vinyl Chloride	0.044	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	9/14/1995	Vinyl Chloride	0.04	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	Tetrachloroethene	3	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	10/17/1995	Tetrachloroethene	1.5	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	Trichloroethene	260	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	10/17/1995	Trichloroethene	110	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW211/MW-11	10/17/1995	Trichloroethene	46	0.49	B, Carc	Yes	NA	NA	Not Recorded*
<b>NGW210/MW-10</b>	<b>10/17/1995</b>	<b>Zinc</b>	<b>148</b>	<b>4800</b>	<b>B, NC</b>	<b>No</b>	<b>76</b>	<b>Yes</b>	<b>Not Recorded*</b>
NGW210/MW-10	3/22/1996	Tetrachloroethene	3.1	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	3/22/1996	Tetrachloroethene	1.2	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	3/22/1996	Trichloroethene	280	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	3/20/1996	Trichloroethene	200	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	3/20/1996	Trichloroethene	170	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	3/20/1996	Trichloroethene	140	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	3/22/1996	Trichloroethene	110	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW211/MW-11	3/22/1996	Trichloroethene	58	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	3/20/1996	Trichloroethene	42	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	3/20/1996	Trichloroethene	12	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW207/MW-7	3/20/1996	Trichloroethene	5.4	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW202/MW-2	3/20/1996	Vinyl Chloride	0.43	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	3/22/1996	Vinyl Chloride	0.087	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	3/20/1996	Vinyl Chloride	0.083	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	3/20/1996	Vinyl Chloride	0.059	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	3/22/1996	Vinyl Chloride	0.059	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	3/20/1996	Vinyl Chloride	0.052	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW211/MW-11	3/22/1996	Vinyl Chloride	0.034	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	3/14/1997	cis-1,2-Dichloroethene	86	80	B, NC	Yes	NA	NA	Not Recorded*
NGW210/MW-10	3/14/1997	Tetrachloroethene	2	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	3/14/1997	Tetrachloroethene	1.1	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	3/14/1997	Trichloroethene	160	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	3/14/1997	Trichloroethene	160	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	3/14/1997	Trichloroethene	140	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	3/14/1997	Trichloroethene	120	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	3/14/1997	Trichloroethene	110	0.49	B, Carc	Yes	NA	NA	Not Recorded*

**Table 4-15**  
**NBF Central Area, Former Buildings 3-360 and 3-361 and Building 3-365**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW211/MW-11	3/14/1997	Trichloroethene	51	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	3/14/1997	Trichloroethene	36	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	3/14/1997	Trichloroethene	12	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW207/MW-7	3/14/1997	Trichloroethene	3.3	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW202/MW-2	3/14/1997	Vinyl Chloride	0.46	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	3/14/1997	Vinyl Chloride	0.089	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	3/14/1997	Vinyl Chloride	0.073	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	3/14/1997	Vinyl Chloride	0.06	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	3/14/1997	Vinyl Chloride	0.059	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	3/14/1997	Vinyl Chloride	0.046	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW211/MW-11	3/14/1997	Vinyl Chloride	0.031	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	8/26/1997	Tetrachloroethene	2.1	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	8/26/1997	Tetrachloroethene	1.6	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	8/26/1997	Tetrachloroethene	1.4	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	8/26/1997	Tetrachloroethene	1.1	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW202/MW-2	8/26/1997	Tetrachloroethene	1.1	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	8/26/1997	Trichloroethene	160	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	8/26/1997	Trichloroethene	150	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	8/26/1997	Trichloroethene	130	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	8/26/1997	Trichloroethene	120	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	8/26/1997	Trichloroethene	98	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	8/26/1997	Trichloroethene	76	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW211/MW-11	8/26/1997	Trichloroethene	66	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	8/26/1997	Trichloroethene	10	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW207/MW-7	8/26/1997	Trichloroethene	4.8	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW202/MW-2	8/26/1997	Trichloroethene	1.9	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	8/26/1997	Vinyl Chloride	0.12	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	8/26/1997	Vinyl Chloride	0.084	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW202/MW-2	8/26/1997	Vinyl Chloride	0.075	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	8/26/1997	Vinyl Chloride	0.061	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	8/26/1997	Vinyl Chloride	0.057	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW211/MW-11	8/26/1997	Vinyl Chloride	0.047	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	2/23/1998	Tetrachloroethene	1.5	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	2/23/1998	Tetrachloroethene	1.3	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	2/23/1998	Tetrachloroethene	1.2	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	2/23/1998	Trichloroethene	180	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	2/23/1998	Trichloroethene	140	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/23/1998	Trichloroethene	120	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	2/23/1998	Trichloroethene	120	0.49	B, Carc	Yes	NA	NA	Not Recorded*

**Table 4-15**  
**NBF Central Area, Former Buildings 3-360 and 3-361 and Building 3-365**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW211/MW-11	2/23/1998	Trichloroethene	60	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	2/23/1998	Trichloroethene	7.1	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW207/MW-7	2/23/1998	Trichloroethene	3.4	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	2/23/1998	Trichloroethene	1.2	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW202/MW-2	2/23/1998	Vinyl Chloride	0.29	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	2/23/1998	Vinyl Chloride	0.12 M	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	7/27/1998	cis-1,2-Dichloroethene	130	80	B, NC	Yes	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	cis-1,2-Dichloroethene	88	80	B, NC	Yes	NA	NA	Not Recorded*
NGW210/MW-10	7/27/1998	Tetrachloroethene	1.5	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	7/27/1998	Tetrachloroethene	1.4	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	7/27/1998	Tetrachloroethene	1.3	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Trichloroethene	210	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	7/27/1998	Trichloroethene	200	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	7/27/1998	Trichloroethene	160	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	7/27/1998	Trichloroethene	160	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Trichloroethene	140	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	7/27/1998	Trichloroethene	130	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	7/27/1998	Trichloroethene	78	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW211/MW-11	7/27/1998	Trichloroethene	72	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	7/27/1998	Trichloroethene	16	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW207/MW-7	7/27/1998	Trichloroethene	4.8	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW202/MW-2	7/27/1998	Trichloroethene	1.5	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Vinyl Chloride	0.13	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	7/27/1998	Vinyl Chloride	0.13	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Vinyl Chloride	0.12	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	7/27/1998	Vinyl Chloride	0.11	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW202/MW-2	7/27/1998	Vinyl Chloride	0.071	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	7/27/1998	Vinyl Chloride	0.07	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	7/27/1998	Vinyl Chloride	0.068	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW211/MW-11	7/27/1998	Vinyl Chloride	0.068	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	7/27/1998	Vinyl Chloride	0.032	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	7/27/1998	Vinyl Chloride	0.032	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	1/19/1999	Chloroform	23	7.2	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	1/19/1999	Tetrachloroethene	1.3	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	1/19/1999	Trichloroethene	190	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	1/19/1999	Trichloroethene	140	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	1/19/1999	Trichloroethene	120	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	1/19/1999	Trichloroethene	89	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Trichloroethene	40	0.49	B, Carc	Yes	NA	NA	Not Recorded*

**Table 4-15**  
**NBF Central Area, Former Buildings 3-360 and 3-361 and Building 3-365**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW211/MW-11	1/19/1999	Trichloroethene	40	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	1/19/1999	Trichloroethene	6.4	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	1/19/1999	Trichloroethene	5.5	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW207/MW-7	1/19/1999	Trichloroethene	1	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	1/19/1999	Vinyl Chloride	0.14	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	1/19/1999	Vinyl Chloride	0.089	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	1/19/1999	Vinyl Chloride	0.082	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	1/19/1999	Vinyl Chloride	0.07	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Vinyl Chloride	0.041	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Vinyl Chloride	0.031	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	7/19/1999	Chloroform	7.6	7.2	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	7/19/1999	cis-1,2-Dichloroethene	100	80	B, NC	Yes	NA	NA	Not Recorded*
NGW209/MW-9	7/19/1999	Trichloroethene	130	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	7/19/1999	Trichloroethene	120	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	Trichloroethene	98	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	Trichloroethene	90	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	7/19/1999	Trichloroethene	62	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	7/19/1999	Trichloroethene	55	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW211/MW-11	7/19/1999	Trichloroethene	50	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	7/19/1999	Trichloroethene	28	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	7/19/1999	Trichloroethene	3.1	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW207/MW-7	7/19/1999	Trichloroethene	2.6	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	7/19/1999	Vinyl Chloride	0.058	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	7/19/1999	Vinyl Chloride	0.057	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW211/MW-11	7/19/1999	Vinyl Chloride	0.051	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW202/MW-2	7/19/1999	Vinyl Chloride	0.042	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	Vinyl Chloride	0.038	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	7/19/1999	Vinyl Chloride	0.037 M	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	2/22/2000	cis-1,2-Dichloroethene	90	80	B, NC	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/22/2000	cis-1,2-Dichloroethene	88	80	B, NC	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/22/2000	Trichloroethene	170	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	Trichloroethene	130	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	Trichloroethene	130	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	2/22/2000	Trichloroethene	120	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	2/22/2000	Trichloroethene	80	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	2/22/2000	Trichloroethene	38	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW211/MW-11	2/22/2000	Trichloroethene	36	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	2/22/2000	Trichloroethene	3.9	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW207/MW-7	2/22/2000	Trichloroethene	2.7	0.49	B, Carc	Yes	NA	NA	Not Recorded*



**Table 4-15**  
**NBF Central Area, Former Buildings 3-360 and 3-361 and Building 3-365**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW201/MW-1	2/22/2000	Vinyl Chloride	0.055	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	Vinyl Chloride	0.054	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/22/2000	Vinyl Chloride	0.04	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	2/22/2000	Vinyl Chloride	0.034	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	2/22/2000	Vinyl Chloride	0.031	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	cis-1,2-Dichloroethene	120	80	B, NC	Yes	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	Trichloroethene	220	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	Trichloroethene	200	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	7/25/2000	Trichloroethene	73	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	7/25/2000	Trichloroethene	59	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	7/25/2000	Trichloroethene	58	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	7/25/2000	Trichloroethene	43	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	7/25/2000	Trichloroethene	39	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW211/MW-11	7/25/2000	Trichloroethene	27	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	7/25/2000	Trichloroethene	7.3	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW207/MW-7	7/25/2000	Trichloroethene	2.6	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	cis-1,2-Dichloroethene	95	80	B, NC	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	cis-1,2-Dichloroethene	95	80	B, NC	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Trichloroethene	190	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Trichloroethene	190	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	2/20/2001	Trichloroethene	92	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	2/20/2001	Trichloroethene	48	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	2/20/2001	Trichloroethene	48	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	2/20/2001	Trichloroethene	39	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW211/MW-11	2/20/2001	Trichloroethene	23	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	2/20/2001	Trichloroethene	9.4	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW207/MW-7	2/20/2001	Trichloroethene	3	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	8/21/2001	cis-1,2-Dichloroethene	180	80	B, NC	Yes	NA	NA	Not Recorded*
NGW206/MW-6	8/21/2001	Trichloroethene	250	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	8/21/2001	Trichloroethene	84	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	8/21/2001	Trichloroethene	67	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	8/21/2001	Trichloroethene	52	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	Trichloroethene	38	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	Trichloroethene	36	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	8/21/2001	Trichloroethene	30	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW211/MW-11	8/21/2001	Trichloroethene	16	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	8/21/2001	Trichloroethene	5.1	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW207/MW-7	8/21/2001	Trichloroethene	2.6	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2002	cis-1,2-Dichloroethene	120	80	B, NC	Yes	NA	NA	Not Recorded*



**Table 4-15**  
**NBF Central Area, Former Buildings 3-360 and 3-361 and Building 3-365**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW208/MW-8	2/25/2002	cis-1,2-Dichloroethene	92	80	B, NC	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2002	Trichloroethene	220	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2002	Trichloroethene	77	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	2/19/2002	Trichloroethene	48	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	Trichloroethene	41	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	Trichloroethene	40	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	2/25/2002	Trichloroethene	37	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW211/MW-11	2/19/2002	Trichloroethene	18	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW205/MW-5	2/19/2002	Trichloroethene	5.4	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW207/MW-7	2/19/2002	Trichloroethene	2.4	0.49	B, Carc	Yes	NA	NA	Not Recorded*
DP1-15	5/23/2002	cis-1,2-Dichloroethene	310	80	B, NC	Yes	NA	NA	Landau 7/29/02
DP7-15	5/29/2002	cis-1,2-Dichloroethene	120	80	B, NC	Yes	NA	NA	Landau 7/29/02
DP11-15	5/28/2002	Tetrachloroethene	1.8	0.081	B, Carc	Yes	NA	NA	Landau 7/29/02
DP12-15	5/28/2002	Tetrachloroethene	1.5	0.081	B, Carc	Yes	NA	NA	Landau 7/29/02
DP6-15	5/29/2002	Tetrachloroethene	0.4 J	0.081	B, Carc	Yes	NA	NA	Landau 7/29/02
DP4-15	5/24/2002	Tetrachloroethene	0.3	0.081	B, Carc	Yes	NA	NA	Landau 7/29/02
DP8-15	5/30/2002	Tetrachloroethene	0.3	0.081	B, Carc	Yes	NA	NA	Landau 7/29/02
DP3-15	5/23/2002	Tetrachloroethene	0.2	0.081	B, Carc	Yes	NA	NA	Landau 7/29/02
DP5-15	5/24/2002	Tetrachloroethene	0.2	0.081	B, Carc	Yes	NA	NA	Landau 7/29/02
DP1-15	5/23/2002	Trichloroethene	810	0.49	B, Carc	Yes	NA	NA	Landau 7/29/02
DP7-15	5/29/2002	Trichloroethene	410	0.49	B, Carc	Yes	NA	NA	Landau 7/29/02
DP11-15	5/28/2002	Trichloroethene	170	0.49	B, Carc	Yes	NA	NA	Landau 7/29/02
DP6-15	5/29/2002	Trichloroethene	160	0.49	B, Carc	Yes	NA	NA	Landau 7/29/02
DP3-15	5/23/2002	Trichloroethene	130	0.49	B, Carc	Yes	NA	NA	Landau 7/29/02
DP12-15	5/28/2002	Trichloroethene	110	0.49	B, Carc	Yes	NA	NA	Landau 7/29/02
DP4-15	5/24/2002	Trichloroethene	100	0.49	B, Carc	Yes	NA	NA	Landau 7/29/02
DP8-15	5/30/2002	Trichloroethene	95	0.49	B, Carc	Yes	NA	NA	Landau 7/29/02
DP10-15	5/22/2002	Trichloroethene	90	0.49	B, Carc	Yes	NA	NA	Landau 7/29/02
DP5-15	5/24/2002	Trichloroethene	28	0.49	B, Carc	Yes	NA	NA	Landau 7/29/02
DP2-15	5/23/2002	Trichloroethene	8.9	0.49	B, Carc	Yes	NA	NA	Landau 7/29/02
DP1-45	5/23/2002	Trichloroethene	0.9	0.49	B, Carc	Yes	NA	NA	Landau 7/29/02
DP11-30	5/28/2002	Trichloroethene	0.7	0.49	B, Carc	Yes	NA	NA	Landau 7/29/02
DP8-30	5/30/2002	Trichloroethene	0.7	0.49	B, Carc	Yes	NA	NA	Landau 7/29/02
DP11-45	5/29/2002	Trichloroethene	0.6	0.49	B, Carc	Yes	NA	NA	Landau 7/29/02
DP7-75	5/30/2002	Vinyl Chloride	1.2	0.029	B, Carc	Yes	NA	NA	Landau 7/29/02
DP1-15	5/23/2002	Vinyl Chloride	0.4	0.029	B, Carc	Yes	NA	NA	Landau 7/29/02
DP10-60	5/22/2002	Vinyl Chloride	0.3	0.029	B, Carc	Yes	NA	NA	Landau 7/29/02
DP7-15	5/29/2002	Vinyl Chloride	0.2	0.029	B, Carc	Yes	NA	NA	Landau 7/29/02
NGW206/MW-6	8/20/2002	cis-1,2-Dichloroethene	120	80	B, NC	Yes	NA	NA	Not Recorded*

**Table 4-15**  
**NBF Central Area, Former Buildings 3-360 and 3-361 and Building 3-365**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW206/MW-6	8/20/2002	Trichloroethene	240	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2002	Trichloroethene	86	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW210/MW-10	8/20/2002	Trichloroethene	54	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Trichloroethene	53	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Trichloroethene	52	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2002	Trichloroethene	39	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2002	Trichloroethene	23	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW211/MW-11	8/20/2002	Trichloroethene	20	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW207/MW-7	8/20/2002	Trichloroethene	2.8	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	12/2/2002	Trichloroethene	38	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	12/2/2002	Trichloroethene	32	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	1/29/2003	cis-1,2-Dichloroethene	440	80	B, NC	Yes	NA	NA	Not Recorded*
NGW212	1/29/2003	cis-1,2-Dichloroethene	300	80	B, NC	Yes	NA	NA	Not Recorded*
NGW212	1/29/2003	Trichloroethene	200	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	1/29/2003	Trichloroethene	150	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	Trichloroethene	56	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	1/29/2003	Trichloroethene	10	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	Trichloroethene	2	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	1/29/2003	Vinyl Chloride	240	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	1/29/2003	Vinyl Chloride	230	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	1/29/2003	Vinyl Chloride	200	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	cis-1,2-Dichloroethene	160	80	B, NC	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	cis-1,2-Dichloroethene	160	80	B, NC	Yes	NA	NA	Not Recorded*
NGW212	2/18/2003	cis-1,2-Dichloroethene	110	80	B, NC	Yes	NA	NA	Not Recorded*
NGW212	2/18/2003	cis-1,2-Dichloroethene	90	80	B, NC	Yes	NA	NA	Not Recorded*
NGW212	2/18/2003	cis-1,2-Dichloroethene	90	80	B, NC	Yes	NA	NA	Not Recorded*
NGW208/MW-8	2/18/2003	cis-1,2-Dichloroethene	84	80	B, NC	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Trichloroethene	250	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Trichloroethene	190	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	Trichloroethene	71	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Trichloroethene	59	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	Trichloroethene	54	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/18/2003	Trichloroethene	46	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Trichloroethene	37	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/18/2003	Trichloroethene	29	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/18/2003	Trichloroethene	29	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	2/18/2003	Trichloroethene	22	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/18/2003	Trichloroethene	13	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/18/2003	Vinyl Chloride	100	0.029	B, Carc	Yes	NA	NA	Not Recorded*

**Table 4-15**  
**NBF Central Area, Former Buildings 3-360 and 3-361 and Building 3-365**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW212	2/18/2003	Vinyl Chloride	98	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/18/2003	Vinyl Chloride	82	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/18/2003	Vinyl Chloride	51	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	cis-1,2-Dichloroethene	180	80	B, NC	Yes	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	cis-1,2-Dichloroethene	170	80	B, NC	Yes	NA	NA	Not Recorded*
NGW208/MW-8	7/15/2003	cis-1,2-Dichloroethene	94	80	B, NC	Yes	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Trichloroethene	270	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Trichloroethene	240	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	Trichloroethene	72	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	7/15/2003	Trichloroethene	54	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	Trichloroethene	52	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	7/15/2003	Trichloroethene	51	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	7/15/2003	Trichloroethene	48	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Trichloroethene	42	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	7/15/2003	Trichloroethene	38	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Trichloroethene	37	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	7/15/2003	Trichloroethene	22	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	7/15/2003	Vinyl Chloride	57	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	7/15/2003	Vinyl Chloride	52	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	7/15/2003	Vinyl Chloride	48	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	7/15/2003	Vinyl Chloride	34	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Vinyl Chloride	3.3	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/10/2004	cis-1,2-Dichloroethene	140	80	B, NC	Yes	NA	NA	Not Recorded*
NGW208/MW-8	2/10/2004	cis-1,2-Dichloroethene	140	80	B, NC	Yes	NA	NA	Not Recorded*
NGW201/MW-1	2/10/2004	cis-1,2-Dichloroethene	85	80	B, NC	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/10/2004	Trichloroethene	280	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	2/10/2004	Trichloroethene	67	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/10/2004	Trichloroethene	28	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	2/10/2004	Trichloroethene	27	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/10/2004	Trichloroethene	25	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	2/10/2004	Trichloroethene	8.4	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/10/2004	Vinyl Chloride	17	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/10/2004	Vinyl Chloride	15	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/10/2004	Vinyl Chloride	14	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	8/9/2004	cis-1,2-Dichloroethene	130	80	B, NC	Yes	NA	NA	Not Recorded*
NGW201/MW-1	8/9/2004	cis-1,2-Dichloroethene	100	80	B, NC	Yes	NA	NA	Not Recorded*
NGW206/MW-6	8/9/2004	Trichloroethene	220	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	8/9/2004	Trichloroethene	75	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	8/9/2004	Trichloroethene	38	0.49	B, Carc	Yes	NA	NA	Not Recorded*

**Table 4-15**  
**NBF Central Area, Former Buildings 3-360 and 3-361 and Building 3-365**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW212	8/9/2004	Trichloroethene	30	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	8/9/2004	Trichloroethene	20	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	8/9/2004	Vinyl Chloride	8.8	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/7/2005	cis-1,2-Dichloroethene	87	80	B, NC	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/7/2005	Trichloroethene	160	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	2/7/2005	Trichloroethene	39	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	2/7/2005	Trichloroethene	24	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/7/2005	Trichloroethene	20	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/7/2005	Trichloroethene	19	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	2/7/2005	Trichloroethene	14	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/7/2005	Vinyl Chloride	4	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/7/2005	Vinyl Chloride	3.4	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	8/18/2005	cis-1,2-Dichloroethene	180	80	B, NC	Yes	NA	NA	Not Recorded*
NGW208/MW-8	8/18/2005	cis-1,2-Dichloroethene	91	80	B, NC	Yes	NA	NA	Not Recorded*
NGW206/MW-6	8/18/2005	Trichloroethene	190	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	8/18/2005	Trichloroethene	36	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	8/18/2005	Trichloroethene	28	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	8/18/2005	Trichloroethene	25	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	8/18/2005	Trichloroethene	24	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	8/18/2005	Vinyl Chloride	3.6	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	2/21/2006	cis-1,2-Dichloroethene	100	80	B, NC	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/21/2006	Trichloroethene	97	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	2/21/2006	Trichloroethene	31	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	2/21/2006	Trichloroethene	22	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/21/2006	Trichloroethene	17	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	2/21/2006	Trichloroethene	9.1	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/21/2006	Vinyl Chloride	3.2	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	8/14/2006	cis-1,2-Dichloroethene	110	80	B, NC	Yes	NA	NA	Not Recorded*
NGW206/MW-6	8/14/2006	Trichloroethene	130	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	8/14/2006	Trichloroethene	19	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	8/14/2006	Trichloroethene	12	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	8/14/2006	Vinyl Chloride	1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	8/14/2006	Vinyl Chloride	1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	8/14/2006	Vinyl Chloride	1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2007	Trichloroethene	84	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	2/20/2007	Trichloroethene	25	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/20/2007	Trichloroethene	12	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	2/20/2007	Trichloroethene	11	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/20/2007	Vinyl Chloride	3.1	0.029	B, Carc	Yes	NA	NA	Not Recorded*

**Table 4-15**  
**NBF Central Area, Former Buildings 3-360 and 3-361 and Building 3-365**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW206/MW-6	2/20/2007	Vinyl Chloride	1.8	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	8/22/2007	Trichloroethene	100	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	8/22/2007	Trichloroethene	49	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	8/22/2007	Trichloroethene	16	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	8/22/2007	Trichloroethene	11	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	8/22/2007	Trichloroethene	10	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	8/22/2007	Vinyl Chloride	4.4	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	2/19/2008	cis-1,2-Dichloroethene	100	80	B, NC	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2008	cis-1,2-Dichloroethene	93	80	B, NC	Yes	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2008	Trichloroethene	130	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2008	Trichloroethene	30	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2008	Trichloroethene	28	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	2/19/2008	Trichloroethene	14	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/19/2008	Trichloroethene	10	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	2/19/2008	Trichloroethene	9	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	2/19/2008	Vinyl Chloride	5.1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2008	cis-1,2-Dichloroethene	90	80	B, NC	Yes	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2008	cis-1,2-Dichloroethene	92	80	B, NC	Yes	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2008	Trichloroethene	29	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2008	Trichloroethene	7.9	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2008	Trichloroethene	100	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2008	Trichloroethene	12	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	8/20/2008	Trichloroethene	11	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW212	8/20/2008	Vinyl Chloride	4.3	0.029	B, Carc	Yes	NA	NA	Not Recorded*

**Notes:**

ug/L - micrograms per liter

GW - groundwater

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Groundwater-to-Sediment Screening Levels**

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420)

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the groundwater-to-sediment screening level.

**Table 4-15**  
**NBF Central Area, Former Buildings 3-360 and 3-361 and Building 3-365**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to- Sediment Screening Level (ug/L)	GW-to- Sediment Screening Level Exceedence	Source
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**Data Qualifiers**

J - Estimated value between the laboratory reporting limit and the method detection limit

M - Indicates an estimated value of the analyte was found and confirmed by analyst, but with low spectral match parameters

**Table 4-16**  
**NBF Central Area, Buildings 7-027-1, 7-027-2, and 7-027-3 (Markov Property):**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
MW-2-9	11/11/1991	9	Arsenic	3.4	0.67	B, Carc	Yes	590	S	No	SEACOR 2/14/92*
SB-3-4.5-5	11/12/1991	4.5	Arsenic	1.2	0.67	B, Carc	Yes	12000	V	No	SEACOR 2/14/92*
MW-1-9.5	11/11/1991	9.5	Benzene	0.064	0.03	A	Yes	NA	NA	NA	SEACOR 2/14/92*
<b>MW-2-9</b>	<b>11/11/1991</b>	<b>9</b>	<b>Copper</b>	<b>49</b>	<b>3000</b>	<b>B, NC</b>	<b>No</b>	<b>39</b>	<b>S</b>	<b>Yes</b>	<b>SEACOR 2/14/92*</b>
MW-1-9.5	11/11/1991	9.5	Methylene Chloride	1.8 B	0.02	A	Yes	NA	NA	NA	SEACOR 2/14/92*
MW-2-9	11/11/1991	9	Methylene Chloride	0.91 B	0.02	A	Yes	NA	NA	NA	SEACOR 2/14/92*
SB-1-8	11/12/1991	8	Methylene Chloride	0.9 B	0.02	A	Yes	NA	NA	NA	SEACOR 2/14/92*
HA-1-7.3	11/13/1991	7.3000002	Methylene Chloride	0.7 B	0.02	A	Yes	NA	NA	NA	SEACOR 2/14/92*
HA-8-9.5	11/13/1991	9.5	Methylene Chloride	0.53 B	0.02	A	Yes	NA	NA	NA	SEACOR 2/14/92*
SB-8-9.5	11/13/1991	9.5	Methylene Chloride	0.53 B	0.02	A	Yes	NA	NA	NA	SEACOR 2/14/92*
<b>MW-2-9</b>	<b>11/11/1991</b>	<b>9</b>	<b>Zinc</b>	<b>250</b>	<b>24000</b>	<b>B, NC</b>	<b>No</b>	<b>38</b>	<b>S</b>	<b>Yes</b>	<b>SEACOR 2/14/92*</b>
<b>HA-1-4.5</b>	<b>11/13/1991</b>	<b>4.5</b>	<b>Zinc</b>	<b>100</b>	<b>24000</b>	<b>B, NC</b>	<b>No</b>	<b>38</b>	<b>S</b>	<b>Yes</b>	<b>SEACOR 2/14/92*</b>

**Notes:**

feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

Soil samples from areas that have been excavated are not included in the table.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Soil-to-Sediment Screening Levels**

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the soil-to-sediment screening level.

**Data Qualifiers**

B - Indicates the analyte was detected in the associated laboratory method blank



**Table 4-17**  
**NBF Central Area, Buildings 7-027-1, 7-027-2, and 7-027-3 (Markov Property):**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW252/MW-2	11/20/1991	Benzene	4	0.8	B, Carc	Yes	NA	NA	SEACOR 2/14/92*
<b>NGW252/MW-2</b>	<b>11/20/1991</b>	<b>Lead</b>	<b>46</b>	<b>15</b>	<b>A</b>	<b>Yes</b>	<b>13</b>	<b>Yes</b>	<b>SEACOR 2/14/92*</b>
NGW253/MW-3	11/20/1991	Total Petroleum Hydrocarbons	2000	500	A	Yes	NA	NA	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	Total Petroleum Hydrocarbons	1700	500	A	Yes	NA	NA	SEACOR 2/14/92*
NGW254/MW-4	11/20/1991	Total Petroleum Hydrocarbons	1700	500	A	Yes	NA	NA	SEACOR 2/14/92*
NGW253/MW-3	11/20/1991	Trichloroethene	24	0.49	B, Carc	Yes	NA	NA	SEACOR 2/14/92*
NGW252/MW-2	2/3/1993	Benzene	1.5	0.8	B, Carc	Yes	NA	NA	SEACOR 6/15/93*
NGW252/MW-2	2/3/1993	Benzene	1.4	0.8	B, Carc	Yes	NA	NA	SEACOR 6/15/93*
NGW252/MW-2	2/3/1993	Gasoline Range Hydrocarbons	1600	800	A	Yes	NA	NA	SEACOR 6/15/93*
NGW252/MW-2	2/3/1993	Gasoline Range Hydrocarbons	1500	800	A	Yes	NA	NA	SEACOR 6/15/93*
NGW253/MW-3	2/3/1993	Trichloroethene	22	0.49	B, Carc	Yes	NA	NA	SEACOR 6/15/93*
NGW253/MW-3	2/3/1993	Vinyl Chloride	1.1 M	0.029	B, Carc	Yes	NA	NA	SEACOR 6/15/93*
NGW253/MW-3	1/16/2002	Trichloroethene	8	0.49	B, Carc	Yes	NA	NA	Not Recorded*

**Notes:**

ug/L - micrograms per liter

GW - groundwater

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Groundwater-to-Sediment Screening Levels**

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the groundwater-to-sediment screening level.

**Data Qualifiers**

M - Indicates an estimated value of the analyte was found and confirmed by analyst, but with low spectral match parameters

**Table 4-18**  
**NBF Central Area, Building 3-380:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
GT-4	3/17/1989	7.5	Arsenic	4.1	0.67	B, Carc	Yes	590	S	No	GTI 3/29/89
GT-1	3/16/1989	7.5	Arsenic	3.1	0.67	B, Carc	Yes	590	S	No	GTI 3/29/89
GT-2	3/16/1989	7.5	Arsenic	2.8	0.67	B, Carc	Yes	590	S	No	GTI 3/29/89
GT-5	3/17/1989	7.5	Arsenic	2.8	0.67	B, Carc	Yes	590	S	No	GTI 3/29/89
GT-3	3/17/1989	7.5	Arsenic	2.4	0.67	B, Carc	Yes	590	S	No	GTI 3/29/89
<b>GT-1</b>	<b>3/16/1989</b>	<b>7.5</b>	<b>Mercury</b>	<b>0.04</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>0.030</b>	<b>S</b>	<b>Yes</b>	<b>GTI 3/29/89</b>
<b>GT-2</b>	<b>3/16/1989</b>	<b>7.5</b>	<b>Mercury</b>	<b>0.04</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>0.030</b>	<b>S</b>	<b>Yes</b>	<b>GTI 3/29/89</b>
<b>GT-5</b>	<b>3/17/1989</b>	<b>7.5</b>	<b>Mercury</b>	<b>0.04</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>0.030</b>	<b>S</b>	<b>Yes</b>	<b>GTI 3/29/89</b>
<b>GT-3</b>	<b>3/17/1989</b>	<b>7.5</b>	<b>Mercury</b>	<b>0.033</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>0.030</b>	<b>S</b>	<b>Yes</b>	<b>GTI 3/29/89</b>
B-3	3/13/1990	5.0	Benzo(a)pyrene	0.77	0.137	B, Carc	Yes	4.2	V	No	GTI 5/1990
B-3	3/13/1990	5.0	PAHs, total carcinogenic	0.77	0.14	B, Carc	Yes	NA	NA	NA	GTI 5/1990
NBF-SD26-2-4	11/17/2008	2.0	PCB, total	0.600	0.5	B, Carc	Yes	1.3	V	No	Landau 12/19/08

**Notes:**

feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

Soil samples from areas that have been excavated are not included in the table.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Soil-to-Sediment Screening Levels**

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the soil-to-sediment screening level.

**Table 4-19**  
**NBF Central Area, Building 3-380**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Concentration (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
GT-4	3/5/1990	Arsenic	20	0.058	B, Carc	Yes	370	No	GTI 5/1990
GT-1	3/5/1990	Arsenic	17	0.058	B, Carc	Yes	370	No	GTI 5/1990
GT-2	3/5/1990	Arsenic	10	0.058	B, Carc	Yes	370	No	GTI 5/1990
GT-1	3/20/1989	Arsenic	0.061	0.058	B, Carc	Yes	370	No	GTI 3/29/89
GT-1	3/5/1990	Chromium	100	50	A	Yes	320	No	GTI 5/1990
GT-4	3/5/1990	Chromium	80	50	A	Yes	320	No	GTI 5/1990

**Notes:**

ug/L - micrograms per liter

GW - groundwater

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Groundwater-to-Sediment Screening Levels**

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the groundwater-to-sediment screening level.

**Table 4-20**  
**NBF Central Area, Building 3-369:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Concentration (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
GT88-2	8/9/1989	Antimony	2000	6.4	B, NC	Yes	370	Yes	GTI 8/1989
GT88-3	8/9/1989	Antimony	2000	6.4	B, NC	Yes	370	Yes	GTI 8/1989
GT88-1	8/9/1989	Chromium	600	50	A	Yes	320	Yes	GTI 8/1989
GT88-3	8/9/1989	Chromium	300	50	A	Yes	320	No	GTI 8/1989
GT88-1	8/9/1989	Copper	2000	590	B, NC	Yes	120	Yes	GTI 8/1989
GT88-1	8/9/1989	Mercury	2	2	A	No	0.0074	Yes	GTI 8/1989
GT88-3	8/9/1989	Mercury	2	2	A	No	0.0074	Yes	GTI 8/1989
GT88-2	8/9/1989	Mercury	0.9	2	A	No	0.0074	Yes	GTI 8/1989
GT88-1	8/9/1989	Zinc	1000	4800	B, NC	No	76	Yes	GTI 8/1989
GT88-3	8/9/1989	Zinc	600	4800	B, NC	No	76	Yes	GTI 8/1989

**Notes:**

ug/L - micrograms per liter

GW - groundwater

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Groundwater-to-Sediment Screening Levels**

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the groundwater-to-sediment screening level.

**Table 4-21**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
C-E-A2	1989		Total Petroleum Hydrocarbons	22000	2000	A	Yes	NA	NA	NA	Hart Crowser 11/17/89
C-E-A1	1989		Total Petroleum Hydrocarbons	17000	2000	A	Yes	NA	NA	NA	Hart Crowser 11/17/89
C-NE-B3	1989		Total Petroleum Hydrocarbons	16000	2000	A	Yes	NA	NA	NA	Hart Crowser 11/17/89
C-W-A1	1989		Total Petroleum Hydrocarbons	13000	2000	A	Yes	NA	NA	NA	Hart Crowser 11/17/89
P-W-E1	1989		Total Petroleum Hydrocarbons	12000	2000	A	Yes	NA	NA	NA	Hart Crowser 1/10/90
B-5-A1	1989		Total Petroleum Hydrocarbons	10000	2000	A	Yes	NA	NA	NA	Hart Crowser 11/17/89
UBF-MVNS-1	1989		Total Petroleum Hydrocarbons	9200	2000	A	Yes	NA	NA	NA	Hart Crowser 1/10/90
Tank 2 North	1989		Total Petroleum Hydrocarbons	8900	2000	A	Yes	NA	NA	NA	Hart Crowser 1/10/90
B-E-A1	1989		Total Petroleum Hydrocarbons	7400	2000	A	Yes	NA	NA	NA	Hart Crowser 11/17/89
AE-N-A4	1989		Total Petroleum Hydrocarbons	7000	2000	A	Yes	NA	NA	NA	Hart Crowser 11/17/89
A-N-B2	1989		Total Petroleum Hydrocarbons	6800	2000	A	Yes	NA	NA	NA	Hart Crowser 11/17/89
AE-N-B4	1989		Total Petroleum Hydrocarbons	5900	2000	A	Yes	NA	NA	NA	Hart Crowser 11/17/89
UBF-MVE-1	1989		Total Petroleum Hydrocarbons	5300	2000	A	Yes	NA	NA	NA	Hart Crowser 1/10/90
C-SE-B3	1989		Total Petroleum Hydrocarbons	5200	2000	A	Yes	NA	NA	NA	Hart Crowser 11/17/89
A-NE-C1	1989		Total Petroleum Hydrocarbons	4700	2000	A	Yes	NA	NA	NA	Hart Crowser 11/17/89
UBF-MVN-1	1989		Total Petroleum Hydrocarbons	4100	2000	A	Yes	NA	NA	NA	Hart Crowser 1/10/90
A-S-A3	1989		Total Petroleum Hydrocarbons	3800	2000	A	Yes	NA	NA	NA	Hart Crowser 11/17/89
B-2	2/7/1990	10.0	Arsenic	7	0.67	B, Carc	Yes	590	S	No	Hart Crowser 2/15/91
MW-2	2/15/1990	8.5	Benzo(a)pyrene	0.77	0.137	B, Carc	Yes	0.21	S	Yes	Hart Crowser 2/15/91
MW-2	2/15/1990	8.5	PAHs, total carcinogenic	0.77	0.14	B, Carc	Yes	NA	NA	NA	Hart Crowser 2/15/91
B-6	2/7/1990	10.0	Tetrachloroethene	0.35	0.05	A	Yes	NA	NA	NA	Hart Crowser 2/15/91
B-5	2/7/1990	10.0	Tetrachloroethene	0.074	0.05	A	Yes	NA	NA	NA	Hart Crowser 2/15/91
HC-B	9/11/1990		Tetrachloroethene	2.4	0.05	A	Yes	NA	NA	NA	Hart Crowser 2/15/91
HC-B2	9/11/1990		Tetrachloroethene	0.98	0.05	A	Yes	NA	NA	NA	Hart Crowser 2/15/91
HC-N2	9/11/1990		Tetrachloroethene	0.28	0.05	A	Yes	NA	NA	NA	Hart Crowser 2/15/91
HC-W	9/11/1990		Tetrachloroethene	0.24	0.05	A	Yes	NA	NA	NA	Hart Crowser 2/15/91
HC-N	9/11/1990		Tetrachloroethene	0.19	0.05	A	Yes	NA	NA	NA	Hart Crowser 2/15/91
HC-W2	9/11/1990		Tetrachloroethene	0.11	0.05	A	Yes	NA	NA	NA	Hart Crowser 2/15/91
HC-E	9/11/1990		Tetrachloroethene	0.072	0.05	A	Yes	NA	NA	NA	Hart Crowser 2/15/91
HC-B	9/11/1990		Trichloroethene	1	0.03	A	Yes	NA	NA	NA	Hart Crowser 2/15/91
HC-B2	9/11/1990		Trichloroethene	0.069	0.03	A	Yes	NA	NA	NA	Hart Crowser 2/15/91
HC-W	9/11/1990		Trichloroethene	0.043	0.03	A	Yes	NA	NA	NA	Hart Crowser 2/15/91
MW105A-9.5	3/4/1992	9.5	Arsenic	10	0.67	B, Carc	Yes	590	S	No	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Arsenic	3.6	0.67	B, Carc	Yes	590	S	No	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Arsenic	3.02	0.67	B, Carc	Yes	590	S	No	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Arsenic	3	0.67	B, Carc	Yes	590	S	No	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Chromium	27.4	19	A, Chromium VI	Yes	270	S	No	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Chromium	27.1	19	A, Chromium VI	Yes	270	S	No	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Chromium	25.9	19	A, Chromium VI	Yes	270	S	No	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Chromium	20.1	19	A, Chromium VI	Yes	270	S	No	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Copper	131	3000	B, NC	No	39	S	Yes	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Copper	95.6	3000	B, NC	No	39	S	Yes	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Copper	46.9	3000	B, NC	No	39	S	Yes	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Copper	43.9	3000	B, NC	No	39	S	Yes	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Mercury	0.14	2	A	No	0.030	S	Yes	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Mercury	0.1	2	A	No	0.030	S	Yes	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Mercury	0.09	2	A	No	0.030	S	Yes	SECOR 12/14/92*

**Table 4-21**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
MW105A-9.5	3/4/1992	9.5	Mercury	0.09	2	A	No	0.030	S	Yes	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Mercury	0.06	2	A	No	0.030	S	Yes	SECOR 12/14/92*
MW103B-6	3/3/1992	6	Tetrachloroethene	0.18	0.05	A	Yes	NA	NA	NA	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Zinc	98.5	24000	B, NC	No	38	S	Yes	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Zinc	86.4	24000	B, NC	No	38	S	Yes	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Zinc	54.7	24000	B, NC	No	38	S	Yes	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Zinc	54.6	24000	B, NC	No	38	S	Yes	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Zinc	46.1	24000	B, NC	No	38	S	Yes	SECOR 12/14/92*
RMW104A-6.0-6.5	1/17/1994	6.0	Tetrachloroethene	0.085	0.05	A	Yes	NA	NA	NA	SECOR 9/1/94
RMW104A-6.0-6.5	1/17/1994	6.0	Trichloroethene	0.07	0.03	A	Yes	NA	NA	NA	SECOR 9/1/94

**Notes:**

feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

Soil samples from areas that have been excavated are not included in the table.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Soil-to-Sediment Screening Levels**

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the soil-to-sediment screening level.

**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
MW-3	1989	bis(2-Ethylhexyl)phthalate	0.9 J	6.3	B, Carc	No	0.47	Yes	Hart Crowser 11/17/89
MW-4	1989	Bromodichloromethane	1.1 M	0.71	B, Carc	Yes	NA	NA	Hart Crowser 11/17/89
MW-1	2/16/1990	1,2-Dichloroethene, total	380	72	B, NC	Yes	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	1,2-Dichloroethene, total	200	72	B, NC	Yes	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	Phenol	320	4800	B, NC	No	220	Yes	Hart Crowser 2/15/91
MW-1	2/16/1990	Tetrachloroethene	97	0.081	B, Carc	Yes	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	Tetrachloroethene	62	0.081	B, Carc	Yes	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	Trichloroethene	380	0.49	B, Carc	Yes	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	Trichloroethene	350	0.49	B, Carc	Yes	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	Vinyl Chloride	230	0.029	B, Carc	Yes	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	Vinyl Chloride	64	0.029	B, Carc	Yes	NA	NA	Hart Crowser 2/15/91
MW-5A	3/6/1990	Vinyl Chloride	59	0.029	B, Carc	Yes	NA	NA	Hart Crowser 2/15/91
NGW303/MW-102A	3/9/1992	Arsenic	21	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW303/MW-102A	3/9/1992	Arsenic	21	0.058	B, Carc	Yes	370	No	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Arsenic	8	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW301/MW101A	3/9/1992	Arsenic	8	0.058	B, Carc	Yes	370	No	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Arsenic	4	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW302/MW-101B	3/9/1992	Arsenic	4	0.058	B, Carc	Yes	370	No	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Arsenic	3	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW304/MW-102B	3/9/1992	Arsenic	3	0.058	B, Carc	Yes	370	No	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	bis(2-Ethylhexyl)phthalate	18	6.3	B, Carc	Yes	0.47	Yes	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	bis(2-Ethylhexyl)phthalate	0.9 J	6.3	B, Carc	No	0.47	Yes	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Chromium	346	50	A	Yes	320	Yes	SECOR 11/21/95*
NGW303/MW-102A	3/9/1992	Chromium	346	50	A	Yes	320	Yes	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Chromium	101	50	A	Yes	320	No	SECOR 11/21/95*
NGW304/MW-102B	3/9/1992	Chromium	101	50	A	Yes	320	No	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Chromium	86	50	A	Yes	320	No	SECOR 11/21/95*
NGW301/MW101A	3/9/1992	Chromium	86	50	A	Yes	320	No	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Chromium	57	50	A	Yes	320	No	SECOR 11/21/95*
NGW302/MW-101B	3/9/1992	Chromium	57	50	A	Yes	320	No	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	cis-1,2-Dichloroethene	190	80	B, NC	Yes	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Copper	457	590	B, NC	No	120	Yes	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Lead	94.4	15	A	Yes	13	Yes	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Lead	94	15	A	Yes	13	Yes	SECOR 11/21/95*
NGW301/MW101A	3/9/1992	Lead	22	15	A	Yes	13	Yes	SECOR 11/21/95*
NGW301/MW101A	3/9/1992	Lead	22	15	A	Yes	13	Yes	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Mercury	0.6	2	A	No	0.0074	Yes	SECOR 11/21/95*
NGW303/MW-102A	3/9/1992	Mercury	0.6	2	A	No	0.0074	Yes	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Mercury	0.2	2	A	No	0.0074	Yes	SECOR 11/21/95*



**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW301/MW101A	3/9/1992	Mercury	0.2	2	A	No	0.0074	Yes	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Mercury	0.1	2	A	No	0.0074	Yes	SECOR 11/21/95*
NGW302/MW-101B	3/9/1992	Mercury	0.1	2	A	No	0.0074	Yes	SECOR 12/14/92*
NGW302/MW-101B	3/16/1992	PAHs, total carcinogenic	0.18	0.012	B, Carc	Yes	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Silver	4	80	B, NC	No	1.5	Yes	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Tetrachloroethene	240	0.081	B, Carc	Yes	NA	NA	SECOR 12/14/92*
NGW307/MW-104A	3/9/1992	Tetrachloroethene	42	0.081	B, Carc	Yes	NA	NA	SECOR 12/14/92*
NGW305/MW-103A	3/9/1992	Tetrachloroethene	19	0.081	B, Carc	Yes	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Tetrachloroethene	2	0.081	B, Carc	Yes	NA	NA	SECOR 12/14/92*
NGW308/MW-105A	3/9/1992	Tetrachloroethene	1.3	0.081	B, Carc	Yes	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Trichloroethene	91	0.49	B, Carc	Yes	NA	NA	SECOR 12/14/92*
NGW305/MW-103A	3/9/1992	Trichloroethene	7.4	0.49	B, Carc	Yes	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Trichloroethene	3.5	0.49	B, Carc	Yes	NA	NA	SECOR 12/14/92*
NGW307/MW-104A	3/9/1992	Trichloroethene	3.3	0.49	B, Carc	Yes	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Vinyl Chloride	99	0.029	B, Carc	Yes	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Vinyl Chloride	51	0.029	B, Carc	Yes	NA	NA	SECOR 12/14/92*
NGW305/MW-103A	3/9/1992	Vinyl Chloride	46	0.029	B, Carc	Yes	NA	NA	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Vinyl Chloride	6.6	0.029	B, Carc	Yes	NA	NA	SECOR 12/14/92*
NGW307/MW-104A	3/9/1992	Vinyl Chloride	4.7	0.029	B, Carc	Yes	NA	NA	SECOR 12/14/92*
NGW309/MW-106A	3/9/1992	Vinyl Chloride	1.6 J	0.029	B, Carc	Yes	NA	NA	SECOR 12/14/92*
NGW306/MW-103B	3/9/1992	Vinyl Chloride	1.1 J	0.029	B, Carc	Yes	NA	NA	SECOR 12/14/92*
NGW308/MW-105A	3/9/1992	Vinyl Chloride	1 M	0.029	B, Carc	Yes	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Zinc	489	4800	B, NC	No	76	Yes	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Zinc	157	4800	B, NC	No	76	Yes	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Zinc	96	4800	B, NC	No	76	Yes	SECOR 12/14/92*
NGW301/MW101A	10/6/1992	Arsenic	12	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Arsenic	11	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Arsenic	10	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Arsenic	8	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW305/MW-103A	10/6/1992	Arsenic	8	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW306/MW-103B	10/6/1992	Arsenic	7	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW308/MW-105A	10/6/1992	Arsenic	6	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW310/MW-106B	10/6/1992	Arsenic	6	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Arsenic	5	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW307/MW-104A	10/6/1992	Arsenic	4	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW302/MW-101B	10/6/1992	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW310/MW-106B	10/6/1992	Cadmium	51	5	A	Yes	3.4	Yes	SECOR 11/21/95*
NGW306/MW-103B	10/6/1992	Cadmium	49	5	A	Yes	3.4	Yes	SECOR 11/21/95*
NGW311/MW-107B	10/6/1992	Cadmium	48	5	A	Yes	3.4	Yes	SECOR 11/21/95*

**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW302/MW-101B	10/6/1992	Cadmium	34	5	A	Yes	3.4	Yes	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Cadmium	24	5	A	Yes	3.4	Yes	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Cadmium	24	5	A	Yes	3.4	Yes	SECOR 11/21/95*
NGW305/MW-103A	10/6/1992	Cadmium	10	5	A	Yes	3.4	Yes	SECOR 11/21/95*
NGW307/MW-104A	10/6/1992	Cadmium	7	5	A	Yes	3.4	Yes	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Cadmium	6	5	A	Yes	3.4	Yes	SECOR 11/21/95*
NGW304/MW-102B	10/6/1992	Cadmium	5	5	A	No	3.4	Yes	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Cadmium	4	5	A	No	3.4	Yes	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Chromium	300	50	A	Yes	320	No	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Chromium	237	50	A	Yes	320	No	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Chromium	216	50	A	Yes	320	No	SECOR 11/21/95*
NGW305/MW-103A	10/6/1992	Chromium	204	50	A	Yes	320	No	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Chromium	196	50	A	Yes	320	No	SECOR 11/21/95*
NGW307/MW-104A	10/6/1992	Chromium	177	50	A	Yes	320	No	SECOR 11/21/95*
NGW308/MW-105A	10/6/1992	Chromium	130	50	A	Yes	320	No	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Chromium	105	50	A	Yes	320	No	SECOR 11/21/95*
NGW306/MW-103B	10/6/1992	Chromium	94	50	A	Yes	320	No	SECOR 11/21/95*
NGW310/MW-106B	10/6/1992	Chromium	94	50	A	Yes	320	No	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Chromium	84	50	A	Yes	320	No	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	cis-1,2-Dichloroethene	180	80	B, NC	Yes	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	cis-1,2-Dichloroethene	150	80	B, NC	Yes	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	cis-1,2-Dichloroethene	130	80	B, NC	Yes	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	cis-1,2-Dichloroethene	120	80	B, NC	Yes	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Lead	68	15	A	Yes	13	Yes	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Lead	67	15	A	Yes	13	Yes	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Lead	63	15	A	Yes	13	Yes	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Lead	54	15	A	Yes	13	Yes	SECOR 11/21/95*
NGW307/MW-104A	10/6/1992	Lead	52	15	A	Yes	13	Yes	SECOR 11/21/95*
NGW305/MW-103A	10/6/1992	Lead	50	15	A	Yes	13	Yes	SECOR 11/21/95*
NGW308/MW-105A	10/6/1992	Lead	37	15	A	Yes	13	Yes	SECOR 11/21/95*
NGW310/MW-106B	10/6/1992	Lead	32	15	A	Yes	13	Yes	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Lead	31	15	A	Yes	13	Yes	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Lead	30	15	A	Yes	13	Yes	SECOR 11/21/95*
NGW306/MW-103B	10/6/1992	Lead	22	15	A	Yes	13	Yes	SECOR 11/21/95*
NGW305/MW-103A	10/6/1992	Mercury	5	2	A	Yes	0.0074	Yes	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Mercury	0.7	2	A	No	0.0074	Yes	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Mercury	0.6	2	A	No	0.0074	Yes	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Mercury	0.5	2	A	No	0.0074	Yes	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Mercury	0.4	2	A	No	0.0074	Yes	SECOR 11/21/95*

**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to- Sediment Screening Level (ug/L)	GW-to- Sediment Screening Level Exceedence	Source
NGW307/MW-104A	10/6/1992	Mercury	0.4	2	A	No	0.0074	Yes	SECOR 11/21/95*
NGW308/MW-105A	10/6/1992	Mercury	0.3	2	A	No	0.0074	Yes	SECOR 11/21/95*
NGW306/MW-103B	10/6/1992	Mercury	0.2	2	A	No	0.0074	Yes	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Mercury	0.2	2	A	No	0.0074	Yes	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Mercury	0.2	2	A	No	0.0074	Yes	SECOR 11/21/95*
NGW310/MW-106B	10/6/1992	Mercury	0.1	2	A	No	0.0074	Yes	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Tetrachloroethene	120	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Tetrachloroethene	110	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	10/6/1992	Tetrachloroethene	62	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	10/6/1992	Tetrachloroethene	38	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	10/6/1992	Tetrachloroethene	5.4	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Tetrachloroethene	4.4	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Tetrachloroethene	3.5	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Trichloroethene	130	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Trichloroethene	110	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	10/6/1992	Trichloroethene	8.6	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	10/6/1992	Trichloroethene	7.3	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Trichloroethene	2	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Trichloroethene	1.9	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	10/6/1992	Trichloroethene	1.4	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Vinyl Chloride	55	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Vinyl Chloride	49	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Vinyl Chloride	29	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Vinyl Chloride	25	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	10/6/1992	Vinyl Chloride	3.7	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	10/6/1992	Vinyl Chloride	2.9 M	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	7/22/1993	Arsenic	3	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW307/MW-104A	7/22/1993	Arsenic	3	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW308/MW-105A	7/22/1993	Arsenic	3	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW303/MW-102A	7/22/1993	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW304/MW-102B	7/22/1993	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW310/MW-106B	7/22/1993	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW301/MW101A	7/22/1993	Arsenic	1	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW306/MW-103B	7/22/1993	Arsenic	1	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW311/MW-107B	7/22/1993	Cadmium	22	5	A	Yes	3.4	Yes	SECOR 11/21/95*
NGW307/MW-104A	7/22/1993	Cadmium	11	5	A	Yes	3.4	Yes	SECOR 11/21/95*
NGW303/MW-102A	7/22/1993	Cadmium	10	5	A	Yes	3.4	Yes	SECOR 11/21/95*
NGW302/MW-101B	7/22/1993	Cadmium	6	5	A	Yes	3.4	Yes	SECOR 11/21/95*
NGW302/MW-101B	7/22/1993	Cadmium	6	5	A	Yes	3.4	Yes	SECOR 11/21/95*

**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW308/MW-105A	7/22/1993	Cadmium	6	5	A	Yes	3.4	Yes	SECOR 11/21/95*
NGW301/MW101A	7/22/1993	Cadmium	5	5	A	No	3.4	Yes	SECOR 11/21/95*
NGW305/MW-103A	7/22/1993	Cadmium	5	5	A	No	3.4	Yes	SECOR 11/21/95*
NGW310/MW-106B	7/22/1993	Cadmium	4	5	A	No	3.4	Yes	SECOR 11/21/95*
NGW305/MW-103A	7/22/1993	Tetrachloroethene	43	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	7/22/1993	Tetrachloroethene	37	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	7/22/1993	Tetrachloroethene	8.5	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	7/22/1993	Tetrachloroethene	3	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW301/MW101A	7/22/1993	Tetrachloroethene	0.7 J	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	7/22/1993	Trichloroethene	13	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	7/22/1993	Trichloroethene	11	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	7/22/1993	Trichloroethene	3	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	7/22/1993	Trichloroethene	1.4	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW301/MW101A	7/22/1993	Trichloroethene	1.1	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	7/22/1993	Vinyl Chloride	52	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	7/22/1993	Vinyl Chloride	4.1	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW301/MW101A	7/22/1993	Vinyl Chloride	3.7	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	7/22/1993	Vinyl Chloride	2.8	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	7/22/1993	Vinyl Chloride	1.1	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	7/22/1993	Vinyl Chloride	0.79	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	7/22/1993	Vinyl Chloride	0.76	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	7/22/1993	Vinyl Chloride	0.22	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	10/27/1993	Arsenic	5	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW301/MW101A	10/27/1993	Arsenic	4	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW305/MW-103A	10/27/1993	Arsenic	3	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW303/MW-102A	10/27/1993	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW306/MW-103B	10/27/1993	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW307/MW-104A	10/27/1993	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW308/MW-105A	10/27/1993	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW302/MW-101B	10/27/1993	Arsenic	1	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW304/MW-102B	10/27/1993	Arsenic	1	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW311/MW-107B	10/27/1993	Arsenic	1	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW309/MW-106A	10/27/1993	Cadmium	31	5	A	Yes	3.4	Yes	SECOR 11/21/95*
NGW311/MW-107B	10/27/1993	Cadmium	10	5	A	Yes	3.4	Yes	SECOR 11/21/95*
NGW310/MW-106B	10/27/1993	Cadmium	9	5	A	Yes	3.4	Yes	SECOR 11/21/95*
NGW303/MW-102A	10/27/1993	Cadmium	8	5	A	Yes	3.4	Yes	SECOR 11/21/95*
NGW304/MW-102B	10/27/1993	Cadmium	4	5	A	No	3.4	Yes	SECOR 11/21/95*
NGW307/MW-104A	10/27/1993	Cadmium	4	5	A	No	3.4	Yes	SECOR 11/21/95*
NGW310/MW-106B	10/27/1993	Lead	15	15	A	No	13	Yes	SECOR 11/21/95*

**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW305/MW-103A	10/27/1993	Tetrachloroethene	35	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/27/1993	Tetrachloroethene	30	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	10/27/1993	Tetrachloroethene	8.3	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/27/1993	Tetrachloroethene	7.6	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/27/1993	Trichloroethene	54	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	10/27/1993	Trichloroethene	13	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/27/1993	Trichloroethene	3.6	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	10/27/1993	Trichloroethene	3.2	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/27/1993	Vinyl Chloride	70	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/27/1993	Vinyl Chloride	38	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	10/27/1993	Vinyl Chloride	7.9	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	10/27/1993	Vinyl Chloride	4.6	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	10/27/1993	Vinyl Chloride	1.6	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	10/27/1993	Vinyl Chloride	1.3	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	10/27/1993	Vinyl Chloride	0.94	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	10/27/1993	Vinyl Chloride	0.29	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Arsenic	8	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW308/MW-105A	1/24/1994	Arsenic	8	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW307/MW-104A	1/24/1994	Arsenic	7	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Arsenic	5	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW307/MW-104A	1/24/1994	Arsenic	4	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW301/MW101A	1/24/1994	Arsenic	3	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	Arsenic	3	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW308/MW-105A	1/24/1994	Arsenic	3	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW309/MW-106A	1/24/1994	Cadmium	10	5	A	Yes	3.4	Yes	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	Cadmium	7	5	A	Yes	3.4	Yes	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Cadmium	5	5	A	No	3.4	Yes	SECOR 11/21/95*
NGW311/MW-107B	1/24/1994	Cadmium	4	5	A	No	3.4	Yes	SECOR 11/21/95*
NGW308/MW-105A	1/24/1994	Chromium	65	50	A	Yes	320	No	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Chromium	60	50	A	Yes	320	No	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Lead	14	15	A	No	13	Yes	SECOR 11/21/95*
NGW308/MW-105A	1/24/1994	Lead	14	15	A	No	13	Yes	SECOR 11/21/95*
NGW308/MW-105A	1/24/1994	Mercury	0.2	2	A	No	0.0074	Yes	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Mercury	0.1	2	A	No	0.0074	Yes	SECOR 11/21/95*
NGW301/MW101A	1/24/1994	Tetrachloroethene	130	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	Tetrachloroethene	34	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	1/24/1994	Tetrachloroethene	12	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Tetrachloroethene	3.7	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*

**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW308/MW-105A	1/24/1994	Tetrachloroethene	3.4	0.081	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW301/MW101A	1/24/1994	Trichloroethene	60	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	Trichloroethene	8.1	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	1/24/1994	Trichloroethene	3.2	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Trichloroethene	2	0.49	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	Vinyl Chloride	68	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW301/MW101A	1/24/1994	Vinyl Chloride	15	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Vinyl Chloride	4.5	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	1/24/1994	Vinyl Chloride	2.9	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	1/24/1994	Vinyl Chloride	1.2	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	1/24/1994	Vinyl Chloride	1.2	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	1/24/1994	Vinyl Chloride	1	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	1/24/1994	Vinyl Chloride	0.24	0.029	B, Carc	Yes	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	4/19/1994	Arsenic	8	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW305/MW-103A	4/19/1994	Arsenic	5	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW307/MW-104A	4/19/1994	Arsenic	5	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW303/MW-102A	4/19/1994	Arsenic	3	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW305/MW-103A	4/19/1994	Arsenic	3	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW307/MW-104A	4/19/1994	Arsenic	3	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW301/MW101A	4/19/1994	Arsenic	2	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW303/MW-102A	4/19/1994	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW308/MW-105A	4/19/1994	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW301/MW101A	4/19/1994	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW309/MW-106A	4/19/1994	Arsenic	1	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW310/MW-106B	4/19/1994	Arsenic	1	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW311/MW-107B	4/19/1994	Bromodichloromethane	1.6	0.71	B, Carc	Yes	NA	NA	Not Recorded*
<b>NGW309/MW-106A</b>	<b>4/19/1994</b>	<b>Cadmium</b>	<b>18</b>	<b>5</b>	<b>A</b>	<b>Yes</b>	<b>3.4</b>	<b>Yes</b>	<b>SECOR 11/21/95*</b>
<b>NGW310/MW-106B</b>	<b>4/19/1994</b>	<b>Cadmium</b>	<b>4</b>	<b>5</b>	<b>A</b>	<b>No</b>	<b>3.4</b>	<b>Yes</b>	<b>SECOR 11/21/95*</b>
NGW301/MW101A	4/19/1994	cis-1,2-Dichloroethene	100	80	B, NC	Yes	NA	NA	Not Recorded*
NGW311/MW-107B	4/19/1994	Dibromochloromethane	1	0.52	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	4/19/1994	Tetrachloroethene	240	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	4/19/1994	Tetrachloroethene	42	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	4/19/1994	Tetrachloroethene	12	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	4/19/1994	Tetrachloroethene	9.4	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	4/19/1994	Tetrachloroethene	9.3	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	4/19/1994	Trichloroethene	120	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	4/19/1994	Trichloroethene	11	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	4/19/1994	Trichloroethene	4.9	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	4/19/1994	Trichloroethene	2.9	0.49	B, Carc	Yes	NA	NA	Not Recorded*



**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW308/MW-105A	4/19/1994	Trichloroethene	1.1	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	4/19/1994	Vinyl Chloride	39	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	4/19/1994	Vinyl Chloride	5	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	4/19/1994	Vinyl Chloride	2.8	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	4/19/1994	Vinyl Chloride	2.1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW302/MW-101B	4/19/1994	Vinyl Chloride	1.1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	4/19/1994	Vinyl Chloride	0.9	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	4/19/1994	Vinyl Chloride	0.78	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW304/MW-102B	4/19/1994	Vinyl Chloride	0.44	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW306/MW-103B	4/19/1994	Vinyl Chloride	0.27	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1994	Arsenic	4	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW305/MW-103A	7/19/1994	Arsenic	4	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW307/MW-104A	7/19/1994	Arsenic	3	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW308/MW-105A	7/19/1994	Arsenic	3	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW302/MW-101B	7/19/1994	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW303/MW-102A	7/19/1994	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW301/MW101A	7/19/1994	cis-1,2-Dichloroethene	180	80	B, NC	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1994	Tetrachloroethene	190	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1994	Tetrachloroethene	31	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1994	Tetrachloroethene	29	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1994	Tetrachloroethene	26	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1994	Tetrachloroethene	4.7	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1994	Trichloroethene	160	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1994	Trichloroethene	9.9	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1994	Trichloroethene	8	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1994	Trichloroethene	7.4	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1994	Trichloroethene	1.4	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1994	Vinyl Chloride	18	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1994	Vinyl Chloride	14	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1994	Vinyl Chloride	3.4	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1994	Vinyl Chloride	2.8	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1994	Vinyl Chloride	0.87	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1994	Vinyl Chloride	0.55	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	Vinyl Chloride	0.089	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1994	Vinyl Chloride	0.08	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1994	Vinyl Chloride	0.069	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	10/20/1994	Arsenic	4	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW305/MW-103A	10/20/1994	Arsenic	3	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW307/MW-104A	10/20/1994	Arsenic	3	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*



**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW303/MW-102A	10/20/1994	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW308/MW-105A	10/20/1994	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW301/MW101A	10/20/1994	cis-1,2-Dichloroethene	150	80	B, NC	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	10/20/1994	Tetrachloroethene	72	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	10/20/1994	Tetrachloroethene	50	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	10/20/1994	Tetrachloroethene	11	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	10/20/1994	Tetrachloroethene	5.1	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	10/20/1994	Tetrachloroethene	4	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW306/MW-103B	10/20/1994	Tetrachloroethene	2.6	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	10/20/1994	Trichloroethene	80	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	10/20/1994	Trichloroethene	28	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	10/20/1994	Trichloroethene	14	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	10/20/1994	Trichloroethene	1.4	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	10/20/1994	Vinyl Chloride	22	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	10/20/1994	Vinyl Chloride	8.6	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	10/20/1994	Vinyl Chloride	5.4	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	10/20/1994	Vinyl Chloride	5.3	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW306/MW-103B	10/20/1994	Vinyl Chloride	0.95	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	10/20/1994	Vinyl Chloride	0.66	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	10/20/1994	Vinyl Chloride	0.6	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW304/MW-102B	10/20/1994	Vinyl Chloride	0.34	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW311/MW-107B	10/20/1994	Vinyl Chloride	0.12	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW302/MW-101B	10/20/1994	Vinyl Chloride	0.061	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	9/19/1995	Arsenic	14	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW305/MW-103A	1/23/1995	Arsenic	5	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW303/MW-102A	1/23/1995	Arsenic	4	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW305/MW-103A	9/18/1995	Arsenic	4	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW307/MW-104A	1/23/1995	Arsenic	3	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW307/MW-104A	9/19/1995	Arsenic	3	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW308/MW-105A	1/23/1995	Arsenic	3	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW302/MW-101B	1/23/1995	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW303/MW-102A	9/18/1995	Arsenic	2	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW304/MW-102B	1/23/1995	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW310/MW-106B	1/23/1995	Arsenic	2	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW301/MW101A	1/23/1995	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW306/MW-103B	1/23/1995	Arsenic	1	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW309/MW-106A	1/23/1995	Arsenic	1	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW311/MW-107B	1/23/1995	Arsenic	1	0.058	B, Carc	Yes	370	No	SECOR 11/21/95*
NGW303/MW-102A	1/23/1995	Cadmium	4	5	A	No	3.4	Yes	SECOR 11/21/95*

**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to- Sediment Screening Level (ug/L)	GW-to- Sediment Screening Level Exceedence	Source
NGW308/MW-105A	1/23/1995	cis-1,2-Dichloroethene	98	80	B, NC	Yes	NA	NA	Not Recorded*
<b>NGW308/MW-105A</b>	<b>9/19/1995</b>	<b>Lead</b>	<b>68</b>	<b>15</b>	<b>A</b>	<b>Yes</b>	<b>13</b>	<b>Yes</b>	<b>Not Recorded*</b>
NGW308/MW-105A	1/23/1995	Tetrachloroethene	380	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	1/23/1995	Tetrachloroethene	210	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	1/23/1995	Tetrachloroethene	140	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	9/18/1995	Tetrachloroethene	26	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	1/23/1995	Tetrachloroethene	17	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	1/23/1995	Tetrachloroethene	15	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	9/19/1995	Tetrachloroethene	5.4	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	9/18/1995	Tetrachloroethene	2.2	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	9/19/1995	Tetrachloroethene	1.9	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	9/18/1995	Tetrachloroethene	1.6	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	1/23/1995	Trichloroethene	120	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	1/23/1995	Trichloroethene	88	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	1/23/1995	Trichloroethene	69	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	9/18/1995	Trichloroethene	11	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	1/23/1995	Trichloroethene	7.6	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	9/19/1995	Trichloroethene	5.8	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	9/19/1995	Trichloroethene	3.8	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	1/23/1995	Trichloroethene	3.6	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	9/19/1995	Vinyl Chloride	47	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	9/18/1995	Vinyl Chloride	26	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	1/23/1995	Vinyl Chloride	19	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	1/23/1995	Vinyl Chloride	15	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	1/23/1995	Vinyl Chloride	6.6	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	1/23/1995	Vinyl Chloride	5.7	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	1/23/1995	Vinyl Chloride	5.3	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	1/23/1995	Vinyl Chloride	4.6	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	1/23/1995	Vinyl Chloride	4.6	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	1/23/1995	Vinyl Chloride	3.8	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	9/18/1995	Vinyl Chloride	2.3	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	9/18/1995	Vinyl Chloride	2	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	1/23/1995	Vinyl Chloride	1.5	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	9/19/1995	Vinyl Chloride	1.2	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	1/23/1995	Vinyl Chloride	0.96	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	9/18/1995	Vinyl Chloride	0.64	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW306/MW-103B	9/18/1995	Vinyl Chloride	0.26	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW311/MW-107B	1/23/1995	Vinyl Chloride	0.18	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW306/MW-103B	1/23/1995	Vinyl Chloride	0.13	0.029	B, Carc	Yes	NA	NA	Not Recorded*

**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW304/MW-102B	9/19/1995	Vinyl Chloride	0.1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW302/MW-101B	1/23/1995	Vinyl Chloride	0.088	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW304/MW-102B	1/23/1995	Vinyl Chloride	0.074	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW302/MW-101B	9/18/1995	Vinyl Chloride	0.062	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW311/MW-107B	9/18/1995	Vinyl Chloride	0.031	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	3/27/1996	Arsenic	15	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW303/MW-102A	3/27/1996	Arsenic	8	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW305/MW-103A	3/27/1996	Arsenic	6	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW307/MW-104A	3/27/1996	Arsenic	6	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW301/MW101A	3/27/1996	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW308/MW-105A	3/27/1996	Chromium	186	50	A	Yes	320	No	Not Recorded*
NGW303/MW-102A	3/27/1996	Chromium	106	50	A	Yes	320	No	Not Recorded*
NGW305/MW-103A	3/27/1996	Chromium	64	50	A	Yes	320	No	Not Recorded*
NGW307/MW-104A	3/27/1996	cis-1,2-Dichloroethene	220	80	B, NC	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	3/27/1996	cis-1,2-Dichloroethene	160	80	B, NC	Yes	NA	NA	Not Recorded*
<b>NGW308/MW-105A</b>	<b>3/27/1996</b>	<b>Lead</b>	<b>31</b>	<b>15</b>	<b>A</b>	<b>Yes</b>	<b>13</b>	<b>Yes</b>	<b>Not Recorded*</b>
<b>NGW308/MW-105A</b>	<b>3/27/1996</b>	<b>Mercury</b>	<b>0.2</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>0.0074</b>	<b>Yes</b>	<b>Not Recorded*</b>
<b>NGW305/MW-103A</b>	<b>3/27/1996</b>	<b>Mercury</b>	<b>0.1</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>0.0074</b>	<b>Yes</b>	<b>Not Recorded*</b>
NGW308/MW-105A	3/27/1996	Tetrachloroethene	350	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	3/27/1996	Tetrachloroethene	92	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	3/27/1996	Tetrachloroethene	64	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	3/27/1996	Tetrachloroethene	2.2	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	3/27/1996	Tetrachloroethene	1.6	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	3/27/1996	Trichloroethene	180	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	3/27/1996	Trichloroethene	81	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	3/27/1996	Trichloroethene	17	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	3/27/1996	Trichloroethene	14	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	3/27/1996	Trichloroethene	1.2	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	3/27/1996	Vinyl Chloride	130	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	3/27/1996	Vinyl Chloride	76	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	3/27/1996	Vinyl Chloride	65	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	3/27/1996	Vinyl Chloride	31	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	3/27/1996	Vinyl Chloride	0.96	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	3/27/1996	Vinyl Chloride	0.44	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW302/MW-101B	3/27/1996	Vinyl Chloride	0.43	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW306/MW-103B	3/27/1996	Vinyl Chloride	0.34	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW311/MW-107B	3/27/1996	Vinyl Chloride	0.036	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	9/10/1996	Arsenic	12	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW305/MW-103A	9/10/1996	Arsenic	6	0.058	B, Carc	Yes	370	No	Not Recorded*

**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW303/MW-102A	9/10/1996	Arsenic	4	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW307/MW-104A	9/10/1996	Arsenic	3	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW301/MW101A	9/10/1996	Arsenic	2	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW308/MW-105A	9/10/1996	Chromium	144	50	A	Yes	320	No	Not Recorded*
NGW305/MW-103A	9/10/1996	Chromium	54	50	A	Yes	320	No	Not Recorded*
NGW307/MW-104A	9/10/1996	cis-1,2-Dichloroethene	300	80	B, NC	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	9/10/1996	cis-1,2-Dichloroethene	290	80	B, NC	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	9/10/1996	Tetrachloroethene	280	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	9/10/1996	Tetrachloroethene	83	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	9/10/1996	Tetrachloroethene	9.8	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	9/10/1996	Tetrachloroethene	2.3	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	9/10/1996	Tetrachloroethene	1.5	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	9/10/1996	Trichloroethene	170	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	9/10/1996	Trichloroethene	34	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	9/10/1996	Trichloroethene	19	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	9/10/1996	Trichloroethene	3.2	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	9/10/1996	Vinyl Chloride	190	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	9/10/1996	Vinyl Chloride	150	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	9/10/1996	Vinyl Chloride	41	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	9/10/1996	Vinyl Chloride	35	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	9/10/1996	Vinyl Chloride	4.1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	9/10/1996	Vinyl Chloride	0.61	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW306/MW-103B	9/10/1996	Vinyl Chloride	0.29	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW302/MW-101B	9/10/1996	Vinyl Chloride	0.16	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW304/MW-102B	9/10/1996	Vinyl Chloride	0.1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW311/MW-107B	9/10/1996	Vinyl Chloride	0.034	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	3/18/1997	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW301/MW101A	3/18/1997	Tetrachloroethene	54	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	3/18/1997	Trichloroethene	5.9	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	3/18/1997	Vinyl Chloride	0.091	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW302/MW-101B	3/18/1997	Vinyl Chloride	0.26	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	3/18/1997	Arsenic	3	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW303/MW-102A	3/18/1997	Tetrachloroethene	52	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	3/18/1997	Trichloroethene	5.3	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	3/18/1997	Vinyl Chloride	6.4	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	3/18/1997	Vinyl Chloride	6.4	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	3/18/1997	Arsenic	8	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW305/MW-103A	3/18/1997	Chromium	54	50	A	Yes	320	No	Not Recorded*
NGW305/MW-103A	3/18/1997	Tetrachloroethene	3.6	0.081	B, Carc	Yes	NA	NA	Not Recorded*

**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to- Sediment Screening Level (ug/L)	GW-to- Sediment Screening Level Exceedence	Source
NGW305/MW-103A	3/18/1997	Trichloroethene	3.1	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	3/18/1997	Vinyl Chloride	160	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW306/MW-103B	3/18/1997	Vinyl Chloride	0.18	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	3/18/1997	Arsenic	5	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW307/MW-104A	3/18/1997	cis-1,2-Dichloroethene	350	80	B, NC	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	3/18/1997	Tetrachloroethene	200	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	3/18/1997	Trichloroethene	120	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	3/18/1997	Vinyl Chloride	92	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	3/18/1997	Arsenic	20	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW308/MW-105A	3/18/1997	Chromium	311	50	A	Yes	320	No	Not Recorded*
NGW308/MW-105A	3/18/1997	cis-1,2-Dichloroethene	210	80	B, NC	Yes	NA	NA	Not Recorded*
<b>NGW308/MW-105A</b>	<b>3/18/1997</b>	<b>Lead</b>	<b>57</b>	<b>15</b>	<b>A</b>	<b>Yes</b>	<b>13</b>	<b>Yes</b>	<b>Not Recorded*</b>
<b>NGW308/MW-105A</b>	<b>3/18/1997</b>	<b>Mercury</b>	<b>0.5</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>0.0074</b>	<b>Yes</b>	<b>Not Recorded*</b>
NGW308/MW-105A	3/18/1997	Tetrachloroethene	410	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	3/18/1997	Trichloroethene	140	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	3/18/1997	Vinyl Chloride	33	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	3/18/1997	Vinyl Chloride	0.52	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/27/1997	Arsenic	26	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW307/MW-104A	8/27/1997	Arsenic	8	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW303/MW-102A	8/27/1997	Arsenic	6	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW305/MW-103A	8/27/1997	Arsenic	6	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW301/MW101A	8/27/1997	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW308/MW-105A	8/27/1997	Chromium	155	50	A	Yes	320	No	Not Recorded*
NGW307/MW-104A	8/27/1997	Chromium	81	50	A	Yes	320	No	Not Recorded*
NGW307/MW-104A	8/27/1997	cis-1,2-Dichloroethene	390	80	B, NC	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/27/1997	cis-1,2-Dichloroethene	200	80	B, NC	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/27/1997	Tetrachloroethene	190	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/27/1997	Tetrachloroethene	28	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	8/27/1997	Tetrachloroethene	14	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	8/27/1997	Tetrachloroethene	4.4	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	8/27/1997	Tetrachloroethene	1.4	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/27/1997	Trichloroethene	120	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	8/27/1997	Trichloroethene	6.1	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/27/1997	Trichloroethene	3.9	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	8/27/1997	Trichloroethene	3.2	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	8/27/1997	Vinyl Chloride	270	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	8/27/1997	Vinyl Chloride	170	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	8/27/1997	Vinyl Chloride	86	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/27/1997	Vinyl Chloride	24	0.029	B, Carc	Yes	NA	NA	Not Recorded*

**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW302/MW-101B	8/27/1997	Vinyl Chloride	0.3	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	8/27/1997	Vinyl Chloride	0.27	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW306/MW-103B	8/27/1997	Vinyl Chloride	0.074	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/27/1997	Vinyl Chloride	0.039	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW310/MW-106B	8/27/1997	Vinyl Chloride	0.038	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	7/28/1998	Arsenic	21	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW305/MW-103A	7/28/1998	Arsenic	12	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW307/MW-104A	7/28/1998	Arsenic	7	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW303/MW-102A	7/28/1998	Arsenic	5	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW301/MW101A	7/28/1998	Arsenic	2	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW301/MW101A	7/28/1998	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW308/MW-105A	7/28/1998	Chromium	156	50	A	Yes	320	No	Not Recorded*
NGW305/MW-103A	7/28/1998	Chromium	75	50	A	Yes	320	No	Not Recorded*
<b>NGW308/MW-105A</b>	<b>7/28/1998</b>	<b>Lead</b>	<b>20</b>	<b>15</b>	<b>A</b>	<b>Yes</b>	<b>13</b>	<b>Yes</b>	<b>Not Recorded*</b>
<b>NGW308/MW-105A</b>	<b>7/28/1998</b>	<b>Mercury</b>	<b>0.4</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>0.0074</b>	<b>Yes</b>	<b>Not Recorded*</b>
NGW308/MW-105A	7/28/1998	Tetrachloroethene	120	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Tetrachloroethene	38	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Tetrachloroethene	38	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	7/28/1998	Tetrachloroethene	14	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	7/28/1998	Tetrachloroethene	3.7	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	7/28/1998	Tetrachloroethene	2.3	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	7/28/1998	Trichloroethene	31	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Trichloroethene	11	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Trichloroethene	11	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	7/28/1998	Trichloroethene	3	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	7/28/1998	Trichloroethene	2.5	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	7/28/1998	Vinyl Chloride	140	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	7/28/1998	Vinyl Chloride	23	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	7/28/1998	Vinyl Chloride	7.4	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	7/28/1998	Vinyl Chloride	4.1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	7/28/1998	Vinyl Chloride	0.68	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Vinyl Chloride	0.32	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Vinyl Chloride	0.3	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW302/MW-101B	7/28/1998	Vinyl Chloride	0.087	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW311/MW-107B	7/28/1998	Vinyl Chloride	0.068	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	1/18/1999	Arsenic	24	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW305/MW-103A	1/18/1999	Arsenic	9	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW307/MW-104A	1/18/1999	Arsenic	4	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW303/MW-102A	1/18/1999	Arsenic	3	0.058	B, Carc	Yes	370	No	Not Recorded*



**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW301/MW101A	1/18/1999	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW301/MW101A	1/18/1999	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
<b>NGW308/MW-105A</b>	<b>1/18/1999</b>	<b>Chromium</b>	<b>593</b>	<b>50</b>	<b>A</b>	<b>Yes</b>	<b>320</b>	<b>Yes</b>	<b>Not Recorded*</b>
NGW305/MW-103A	1/18/1999	Chromium	89	50	A	Yes	320	No	Not Recorded*
NGW307/MW-104A	1/18/1999	cis-1,2-Dichloroethene	210	80	B, NC	Yes	NA	NA	Not Recorded*
<b>NGW308/MW-105A</b>	<b>1/18/1999</b>	<b>Lead</b>	<b>74</b>	<b>15</b>	<b>A</b>	<b>Yes</b>	<b>13</b>	<b>Yes</b>	<b>Not Recorded*</b>
<b>NGW308/MW-105A</b>	<b>1/18/1999</b>	<b>Mercury</b>	<b>0.7</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>0.0074</b>	<b>Yes</b>	<b>Not Recorded*</b>
<b>NGW305/MW-103A</b>	<b>1/18/1999</b>	<b>Mercury</b>	<b>0.1</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>0.0074</b>	<b>Yes</b>	<b>Not Recorded*</b>
NGW308/MW-105A	1/18/1999	Tetrachloroethene	130	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	1/18/1999	Tetrachloroethene	93	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Tetrachloroethene	42	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Tetrachloroethene	39	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	1/18/1999	Tetrachloroethene	7.6	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	1/18/1999	Tetrachloroethene	5.1	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	1/18/1999	Trichloroethene	250	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	1/18/1999	Trichloroethene	42	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	1/18/1999	Trichloroethene	13	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Trichloroethene	4.6	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Trichloroethene	4.1	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	1/18/1999	Vinyl Chloride	13	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	1/18/1999	Vinyl Chloride	13	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	1/18/1999	Vinyl Chloride	4.6	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	1/18/1999	Vinyl Chloride	4.6	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	1/18/1999	Vinyl Chloride	2.6	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	1/18/1999	Vinyl Chloride	2.6	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	1/18/1999	Vinyl Chloride	2.2	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	1/18/1999	Vinyl Chloride	0.92	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW302/MW-101B	1/18/1999	Vinyl Chloride	0.076 M	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1999	Arsenic	6	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW307/MW-104A	7/19/1999	Arsenic	6	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW303/MW-102A	7/19/1999	Arsenic	4	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW308/MW-105A	7/19/1999	Arsenic	2	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW308/MW-105A	7/19/1999	Arsenic	2	0.058	B, Carc	Yes	370	No	Not Recorded*
<b>NGW307/MW-104A</b>	<b>7/19/1999</b>	<b>Mercury</b>	<b>0.1</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>0.0074</b>	<b>Yes</b>	<b>Not Recorded*</b>
NGW308/MW-105A	7/19/1999	Tetrachloroethene	92	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Tetrachloroethene	90	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1999	Tetrachloroethene	42	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1999	Tetrachloroethene	5.6	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1999	Tetrachloroethene	1.7	0.081	B, Carc	Yes	NA	NA	Not Recorded*



**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to- Sediment Screening Level (ug/L)	GW-to- Sediment Screening Level Exceedence	Source
NGW305/MW-103A	7/19/1999	Tetrachloroethene	0.6 J	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Trichloroethene	13	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Trichloroethene	12	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1999	Trichloroethene	7.4	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1999	Trichloroethene	2.5	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1999	Trichloroethene	1.3	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1999	Vinyl Chloride	93	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1999	Vinyl Chloride	25 E	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1999	Vinyl Chloride	8.8	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1999	Vinyl Chloride	6.6 E	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1999	Vinyl Chloride	2.3	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1999	Vinyl Chloride	1.3	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1999	Vinyl Chloride	1.1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1999	Vinyl Chloride	1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1999	Vinyl Chloride	0.94	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1999	Vinyl Chloride	0.7 J	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1999	Vinyl Chloride	0.59	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Vinyl Chloride	0.37	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Vinyl Chloride	0.37	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1999	Vinyl Chloride	0.097	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1999	Vinyl Chloride	0.035	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	2/21/2000	Arsenic	9	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW307/MW-104A	2/21/2000	Arsenic	4	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW308/MW-105A	2/21/2000	Arsenic	3	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW303/MW-102A	2/21/2000	Arsenic	2	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW303/MW-102A	2/21/2000	Arsenic	2	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW306/MW-103B	2/21/2000	Arsenic	2	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW309/MW-106A	2/21/2000	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW310/MW-106B	2/21/2000	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW305/MW-103A	2/21/2000	Chromium	57	50	A	Yes	320	No	Not Recorded*
NGW307/MW-104A	2/21/2000	cis-1,2-Dichloroethene	150	80	B, NC	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/21/2000	Tetrachloroethene	140	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/21/2000	Tetrachloroethene	79	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/21/2000	Tetrachloroethene	41	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	2/21/2000	Tetrachloroethene	4.1	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Tetrachloroethene	2.1	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Tetrachloroethene	2.1	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/21/2000	Trichloroethene	140	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/21/2000	Trichloroethene	14	0.49	B, Carc	Yes	NA	NA	Not Recorded*

**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW301/MW101A	2/21/2000	Trichloroethene	5.4	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	2/21/2000	Trichloroethene	2.3	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	2/21/2000	Vinyl Chloride	9.8	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	2/21/2000	Vinyl Chloride	9.7	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Vinyl Chloride	5.4	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/21/2000	Vinyl Chloride	5.4	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Vinyl Chloride	5.2	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Vinyl Chloride	4.9	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Vinyl Chloride	4.9	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/21/2000	Vinyl Chloride	4	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/21/2000	Vinyl Chloride	3.7	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/21/2000	Vinyl Chloride	2.6	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	2/21/2000	Vinyl Chloride	1.2	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	2/21/2000	Vinyl Chloride	1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW311/MW-107B	2/21/2000	Vinyl Chloride	0.78	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW302/MW-101B	2/21/2000	Vinyl Chloride	0.089	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/21/2000	Vinyl Chloride	0.074	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Arsenic	8	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW305/MW-103A	7/24/2000	Arsenic	7	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW303/MW-102A	7/24/2000	Arsenic	4	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW307/MW-104A	7/24/2000	Arsenic	4	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW301/MW101A	7/24/2000	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW308/MW-105A	7/24/2000	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW307/MW-104A	7/24/2000	cis-1,2-Dichloroethene	110	80	B, NC	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	7/24/2000	Tetrachloroethene	56	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/24/2000	Tetrachloroethene	51	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	7/24/2000	Tetrachloroethene	5.3	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	7/24/2000	Tetrachloroethene	2.1	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Tetrachloroethene	2	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Tetrachloroethene	1.5	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/24/2000	Trichloroethene	13	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	7/24/2000	Trichloroethene	5	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	7/24/2000	Trichloroethene	2	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	7/24/2000	Vinyl Chloride	180	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	7/24/2000	Vinyl Chloride	24	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	7/24/2000	Vinyl Chloride	23 E	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	7/24/2000	Vinyl Chloride	6.9 E	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/24/2000	Vinyl Chloride	5.3	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Vinyl Chloride	4.8	0.029	B, Carc	Yes	NA	NA	Not Recorded*

**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW305/MW-103A	7/24/2000	Vinyl Chloride	4.7	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	7/24/2000	Vinyl Chloride	2.5	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW311/MW-107B	7/24/2000	Vinyl Chloride	2	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/24/2000	Vinyl Chloride	1.6	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Vinyl Chloride	1.5	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Vinyl Chloride	1.5	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	7/24/2000	Vinyl Chloride	1.3	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	7/24/2000	Vinyl Chloride	0.83	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW311/MW-107B	7/24/2000	Vinyl Chloride	0.64	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	7/24/2000	Vinyl Chloride	0.38	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Arsenic	3	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW305/MW-103A	2/18/2001	Arsenic	3	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW303/MW-102A	2/18/2001	Arsenic	2	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW307/MW-104A	2/18/2001	Arsenic	2	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW308/MW-105A	2/18/2001	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW309/MW-106A	2/18/2001	Methylene Chloride	7.1	5	A	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Methylene Chloride	7	5	A	Yes	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2001	Methylene Chloride	6.9	5	A	Yes	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2001	Methylene Chloride	6.5	5	A	Yes	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2001	Methylene Chloride	6.5	5	A	Yes	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2001	Methylene Chloride	6.4	5	A	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Methylene Chloride	6.4	5	A	Yes	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2001	Methylene Chloride	6.4	5	A	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2001	Methylene Chloride	6.3	5	A	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2001	Methylene Chloride	6.3	5	A	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2001	Methylene Chloride	6.2	5	A	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2001	Methylene Chloride	6	5	A	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2001	Tetrachloroethene	72	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2001	Tetrachloroethene	32	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2001	Tetrachloroethene	8.3	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Tetrachloroethene	4	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Tetrachloroethene	3.2	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2001	Tetrachloroethene	1.4	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2001	Trichloroethene	26	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2001	Trichloroethene	4.2	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2001	Trichloroethene	1.3	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Trichloroethene	0.9 J	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Trichloroethene	0.8 J	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2001	Vinyl Chloride	22	0.029	B, Carc	Yes	NA	NA	Not Recorded*

**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW307/MW-104A	2/18/2001	Vinyl Chloride	15	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2001	Vinyl Chloride	6.2	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Vinyl Chloride	4.3	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Vinyl Chloride	4	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2001	Vinyl Chloride	2.2	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2001	Vinyl Chloride	1.2	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2001	Vinyl Chloride	1.2	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2001	Vinyl Chloride	1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2001	Arsenic	8	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW303/MW-102A	8/20/2001	Arsenic	3	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW301/MW101A	8/20/2001	Arsenic	2	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW305/MW-103A	8/20/2001	Arsenic	2	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW305/MW-103A	8/20/2001	Arsenic	2	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW307/MW-104A	8/20/2001	Arsenic	2	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW308/MW-105A	8/20/2001	Tetrachloroethene	61	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2001	Tetrachloroethene	11	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2001	Tetrachloroethene	8	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	Tetrachloroethene	2.4	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	Tetrachloroethene	2.3	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	8/20/2001	Tetrachloroethene	1.8	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2001	Trichloroethene	19	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2001	Trichloroethene	3.9	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2001	Trichloroethene	1.7	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2001	Vinyl Chloride	6.2	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	Vinyl Chloride	2.1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	Vinyl Chloride	2.1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2001	Vinyl Chloride	1.9	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2001	Vinyl Chloride	1.7	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	8/20/2001	Vinyl Chloride	1.2	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	8/20/2001	Vinyl Chloride	0.95	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW311/MW-107B	8/20/2001	Vinyl Chloride	0.45	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2002	Arsenic	6	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW305/MW-103A	2/18/2002	Arsenic	4	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW303/MW-102A	2/18/2002	Arsenic	3	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW307/MW-104A	2/18/2002	Arsenic	3	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW304/MW-102B	2/18/2002	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW306/MW-103B	2/18/2002	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW310/MW-106B	2/18/2002	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW308/MW-105A	2/18/2002	Tetrachloroethene	94	0.081	B, Carc	Yes	NA	NA	Not Recorded*

**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to- Sediment Screening Level (ug/L)	GW-to- Sediment Screening Level Exceedence	Source
NGW301/MW101A	2/18/2002	Tetrachloroethene	89	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2002	Tetrachloroethene	24	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2002	Tetrachloroethene	6.2	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2002	Tetrachloroethene	4.9	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2002	Trichloroethene	29	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2002	Trichloroethene	14	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2002	Trichloroethene	12	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2002	Trichloroethene	3.3	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2002	Trichloroethene	1.2	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2002	Vinyl Chloride	95	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2002	Vinyl Chloride	2.8	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2002	Vinyl Chloride	2.2	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2002	Vinyl Chloride	0.99	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2002	Vinyl Chloride	0.79	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2002	Vinyl Chloride	0.46	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2002	Vinyl Chloride	0.22	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2002	Arsenic	12	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW308/MW-105A	8/18/2002	Arsenic	9	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW305/MW-103A	8/18/2002	Arsenic	3	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW305/MW-103A	8/18/2002	Arsenic	3	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW303/MW-102A	8/18/2002	Arsenic	2	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW307/MW-104A	8/18/2002	Arsenic	1	0.058	B, Carc	Yes	370	No	Not Recorded*
NGW301/MW101A	8/18/2002	Tetrachloroethene	44	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2002	Tetrachloroethene	18	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2002	Tetrachloroethene	8.1	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Tetrachloroethene	3.2	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Tetrachloroethene	3.1	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	8/18/2002	Tetrachloroethene	1.9	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2002	Trichloroethene	20	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2002	Trichloroethene	3.7	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2002	Vinyl Chloride	31	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2002	Vinyl Chloride	4.4	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2002	Vinyl Chloride	3	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Vinyl Chloride	2.9	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Vinyl Chloride	2.7	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW303/MW-102A	8/18/2002	Vinyl Chloride	1.7	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/17/2003	Tetrachloroethene	84	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/17/2003	Tetrachloroethene	54	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/10/2003	Tetrachloroethene	29	0.081	B, Carc	Yes	NA	NA	Not Recorded*

**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW308/MW-105A	7/10/2003	Tetrachloroethene	19	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/17/2003	Tetrachloroethene	15	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	7/10/2003	Tetrachloroethene	9.3	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/17/2003	Trichloroethene	30	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/10/2003	Trichloroethene	20	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/17/2003	Trichloroethene	17	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/17/2003	Trichloroethene	4.4	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	7/10/2003	Trichloroethene	3.3	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	7/10/2003	Vinyl Chloride	9.8	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/17/2003	Vinyl Chloride	9.1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	7/10/2003	Vinyl Chloride	6.9	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	7/10/2003	Vinyl Chloride	4.7	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/17/2003	Vinyl Chloride	1.9	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/17/2003	Vinyl Chloride	1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/9/2004	cis-1,2-Dichloroethene	120	80	B, NC	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/9/2004	Tetrachloroethene	130	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/9/2004	Tetrachloroethene	60	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/9/2004	Tetrachloroethene	58	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/9/2004	Tetrachloroethene	43	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/9/2004	Trichloroethene	69	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/9/2004	Trichloroethene	31	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/9/2004	Trichloroethene	28	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/9/2004	Trichloroethene	4.8	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/6/2004	Tetrachloroethene	6.8	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/6/2004	Trichloroethene	4.9	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/6/2004	Vinyl Chloride	1.9	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/7/2005	Tetrachloroethene	54	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/7/2005	Tetrachloroethene	28	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/7/2005	Tetrachloroethene	9.5	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/7/2005	Trichloroethene	21	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/7/2005	Trichloroethene	2.9	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/7/2005	Trichloroethene	1.1	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/7/2005	Vinyl Chloride	3.6	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/7/2005	Vinyl Chloride	1.3	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2005	Tetrachloroethene	35	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2005	Tetrachloroethene	8	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2005	Tetrachloroethene	4.9	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2005	Trichloroethene	18	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2005	Trichloroethene	12	0.49	B, Carc	Yes	NA	NA	Not Recorded*



**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to- Sediment Screening Level (ug/L)	GW-to- Sediment Screening Level Exceedence	Source
NGW307/MW-104A	8/18/2005	Vinyl Chloride	2.8	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2005	Vinyl Chloride	2.5	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2005	Vinyl Chloride	1.3	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/20/2006	Tetrachloroethene	66	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/20/2006	Tetrachloroethene	48	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/20/2006	Tetrachloroethene	24	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/14/2006	Tetrachloroethene	19	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	8/14/2006	Tetrachloroethene	4	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/14/2006	Tetrachloroethene	1.6	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/20/2006	Trichloroethene	46	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/20/2006	Trichloroethene	33	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/14/2006	Trichloroethene	5.6	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/14/2006	Trichloroethene	3.1	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/20/2006	Trichloroethene	2.5	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	8/14/2006	Trichloroethene	1	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	8/14/2006	Vinyl Chloride	3.2	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/20/2006	Vinyl Chloride	2	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/20/2006	Vinyl Chloride	1.7	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/14/2006	Vinyl Chloride	1.5	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/20/2007	Tetrachloroethene	22	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/20/2007	Tetrachloroethene	6.3	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/20/2007	Tetrachloroethene	5.9	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/20/2007	Trichloroethene	17	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/20/2007	Vinyl Chloride	7.6	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/20/2007	Vinyl Chloride	1.5	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2007	Tetrachloroethene	13	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2007	Tetrachloroethene	6.2	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2007	Tetrachloroethene	3.4	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2007	Trichloroethene	3.3	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2007	Trichloroethene	1.2	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2007	Vinyl Chloride	1.8	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2007	Vinyl Chloride	1.5	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/19/2008	Tetrachloroethene	60	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/19/2008	Tetrachloroethene	60	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/19/2008	Tetrachloroethene	21	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/19/2008	Tetrachloroethene	8.2	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/19/2008	Trichloroethene	54	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/19/2008	Trichloroethene	53	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/19/2008	Trichloroethene	2.6	0.49	B, Carc	Yes	NA	NA	Not Recorded*



**Table 4-22**  
**NBF Central Area, Building 3-800:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW307/MW-104A	2/19/2008	Trichloroethene	1	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	2/19/2008	Vinyl Chloride	3.7	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/19/2008	Vinyl Chloride	2.1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	2/19/2008	Vinyl Chloride	2.1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	2/19/2008	Vinyl Chloride	0.7	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	2/19/2008	Vinyl Chloride	0.4	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2008	cis-1,2-Dichloroethene	140	80	B, NC	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2008	Tetrachloroethene	32	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2008	Tetrachloroethene	4.3	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2008	Tetrachloroethene	3.6	0.081	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2008	Trichloroethene	8.4	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2008	Trichloroethene	8	0.49	B, Carc	Yes	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2008	Vinyl Chloride	6.1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2008	Vinyl Chloride	4.1	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2008	Vinyl Chloride	3.2	0.029	B, Carc	Yes	NA	NA	Not Recorded*
NGW309/MW-106A	8/20/2008	Vinyl Chloride	0.3	0.029	B, Carc	Yes	NA	NA	Not Recorded*

**Notes:**

ug/L - micrograms per liter

GW - groundwater

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Groundwater-to-Sediment Screening Levels**

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the groundwater-to-sediment screening level.

**Data Qualifiers**

E - Indicates that the value exceeded the linear range of the laboratory equipment

J - Estimated value between the laboratory reporting limit and the method detection limit

M - Indicates an estimated value of the analyte was found and confirmed by analyst, but with low spectral match parameters

**Table 4-23**  
**NBF Central Area, Building 3-801:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
SB-1A	9/19/1991	8.0	Arsenic	7.5	0.67	B, Carc	Yes	590	S	No	SEACOR 10/3/91
SB-2A	9/19/1991	8.0	Arsenic	6.0	0.67	B, Carc	Yes	590	S	No	SEACOR 10/3/91
SB-9-5.5-6	7/5/1991	5.5	Arsenic	6	0.67	B, Carc	Yes	12000	V	No	SEACOR 8/12/91
SB-12-2.5-3	7/5/1991	2.5	Arsenic	4.9	0.67	B, Carc	Yes	12000	V	No	SEACOR 8/12/91
SB-11-2.5-3	7/5/1991	2.5	Arsenic	4.6	0.67	B, Carc	Yes	12000	V	No	SEACOR 8/12/91
SB-1A	9/19/1991	3.0	Arsenic	4.6	0.67	B, Carc	Yes	12000	V	No	SEACOR 10/3/91
SB-17-5.5-6	7/5/1991	5.5	Arsenic	2.8	0.67	B, Carc	Yes	12000	V	No	SEACOR 8/12/91
SB-3A	9/19/1991	8.0	Arsenic	2.7	0.67	B, Carc	Yes	590	S	No	SEACOR 10/3/91
SB-5-2.5-3	7/5/1991	2.5	Arsenic	2.7	0.67	B, Carc	Yes	12000	V	No	SEACOR 8/12/91
SB-3-5.5-6	7/5/1991	5.5	Arsenic	2.3	0.67	B, Carc	Yes	12000	V	No	SEACOR 8/12/91
SB-4A	9/19/1991	8.0	Arsenic	1.7	0.67	B, Carc	Yes	590	S	No	SEACOR 10/3/91
SB-15-3.5-4	7/5/1991	3.5	Arsenic	1.6	0.67	B, Carc	Yes	12000	V	No	SEACOR 8/12/91
SB-21-6.5-7	7/5/1991	6.5	Arsenic	1.5	0.67	B, Carc	Yes	12000	V	No	SEACOR 8/12/91
SB-4A	9/19/1991	3.0	Arsenic	1.5	0.67	B, Carc	Yes	12000	V	No	SEACOR 10/3/91
SB-3A	9/19/1991	3.0	Arsenic	1.4	0.67	B, Carc	Yes	12000	V	No	SEACOR 10/3/91
SB-1-3.5-4	7/5/1991	3.5	Arsenic	1.3	0.67	B, Carc	Yes	12000	V	No	SEACOR 8/12/91
SB-16-5.5-6	7/5/1991	5.5	Arsenic	1.3	0.67	B, Carc	Yes	12000	V	No	SEACOR 8/12/91
SB-7-2.5-3	7/5/1991	2.5	Arsenic	1.2	0.67	B, Carc	Yes	12000	V	No	SEACOR 8/12/91
SB-2A	9/19/1991	3.0	Arsenic	0.94	0.67	B, Carc	Yes	12000	V	No	SEACOR 10/3/91
SB-12-2.5-3	7/5/1991	2.5	Cadmium	2.1	2	A	Yes	34	V	No	SEACOR 8/12/91
SB-9-5.5-6	7/5/1991	5.5	Cadmium	2.1	2	A	Yes	34	V	No	SEACOR 8/12/91
MW-1-5.5-6	7/5/1991	5.5	Total Petroleum Hydrocarbons	17000	2000	A	Yes	NA	NA	NA	SEACOR 8/12/91
SB-15-3.5-4	7/5/1991	3.5	Trichloroethene	0.4	0.03	A	Yes	NA	NA	NA	SEACOR 8/12/91
EX2(6')	3/11/1992	6	Total Petroleum Hydrocarbons	26000	2000	A	Yes	NA	NA	NA	SECOR 12/14/92*
EX9(6.5')	3/11/1992	6.5	Total Petroleum Hydrocarbons	15000	2000	A	Yes	NA	NA	NA	SECOR 12/14/92*
EX43(5.5')	3/24/1992	5.5	Total Petroleum Hydrocarbons	9500	2000	A	Yes	NA	NA	NA	SECOR 12/14/92*
EX36(7.5')	3/23/1992	7.5	Total Petroleum Hydrocarbons	8100	2000	A	Yes	NA	NA	NA	SECOR 12/14/92*

**Notes:**

feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

Soil samples from areas that have been excavated are not included in the table.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Soil-to-Sediment Screening Levels**

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Table 4-24**  
**NBF Central Area, Building 3-801**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Concentration (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
MW-4	7/11/1991	Arsenic	170	0.058	B, Carc	Yes	370	No	SEACOR 9/12/91
MW-4	9/4/1991	Antimony	57	6.4	B, NC	Yes	370	No	SEACOR 10/3/91
MW-3	9/4/1991	Antimony	21	6.4	B, NC	Yes	370	No	SEACOR 10/3/91
MW-4	9/4/1991	Arsenic	6.5	0.058	B, Carc	Yes	370	No	SEACOR 10/3/91
MW-3	9/4/1991	Arsenic	6.4	0.058	B, Carc	Yes	370	No	SEACOR 10/3/91
MW-4	9/4/1991	Chromium	92	50	A	Yes	320	No	SEACOR 10/3/91
BT4068(3)	3/27/1992	Diesel Range Hydrocarbons	11000	500	A	Yes	NA	NA	SECOR 12/14/92*
BT4068(2)	3/18/1992	Diesel Range Hydrocarbons	6700	500	A	Yes	NA	NA	SECOR 12/14/92*
BT4006	3/16/1992	Diesel Range Hydrocarbons	2800	500	A	Yes	NA	NA	SECOR 12/14/92*
BT4006(2)	3/18/1992	Diesel Range Hydrocarbons	1400	500	A	Yes	NA	NA	SECOR 12/14/92*
BT4068	3/16/1992	Diesel Range Hydrocarbons	1100	500	A	Yes	NA	NA	SECOR 12/14/92*

**Notes:**

ug/L - micrograms per liter

GW - groundwater

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Groundwater-to-Sediment Screening Levels**

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (WAC 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Table 4-25**  
**NBF Central Area, Main Fuel Farm:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
NBF-MF-19	4/28/1986	3.0	Jet Fuel	4170	2000	A, diesel	Yes	NA	NA	NA	Landau 9/9/86
NBF-MF-13	4/29/1986	10.0	Jet Fuel	2500	2000	A, diesel	Yes	NA	NA	NA	Landau 9/9/86
WW@5'	6/29/1994	5	2-Methyl naphthalene	8.2	320	B, NC	No	1.4	V	Yes	SECOR 11/7/94*
WW@5'	6/29/1994	5	Gasoline Range Hydrocarbons	2800	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
WW@5'	6/29/1994	5	Gasoline Range Hydrocarbons	1100	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
NWW@8'	6/29/1994	8	Gasoline Range Hydrocarbons	710	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
NWW@8'	6/29/1994	8	Gasoline Range Hydrocarbons	48	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
NWW@4'	6/29/1994	4	Gasoline Range Hydrocarbons	39	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
NWW@8'	6/29/1994	8	Methylene Chloride	0.41 B	0.02	A	Yes	NA	NA	NA	SECOR 11/7/94*
WW@5'	6/29/1994	5	Methylene Chloride	0.35 B	0.02	A	Yes	NA	NA	NA	SECOR 11/7/94*
SW21@8	7/14/1994	8	2-Methyl naphthalene	15 M	320	B, NC	No	1.4	V	Yes	SECOR 11/7/94*
SW21@8	7/14/1994	8	Acenaphthene	3.1 M	4800	B, NC	No	1.2	V	Yes	SECOR 11/7/94*
SW21@8	7/14/1994	8	Benzo(a)anthracene	8.5	NA	NA	NA	5.4	V	Yes	SECOR 11/7/94*
SW21@8	7/14/1994	8	Benzo(a)pyrene	4.3	0.137	B, Carc	Yes	4.2	V	No	SECOR 11/7/94*
WW19@7	7/14/1994	7	Benzo(a)pyrene	0.19	0.137	B, Carc	Yes	4.2	V	No	SECOR 11/7/94*
SW21@8	7/14/1994	8	Diesel Range Hydrocarbons	18000	2000	A	Yes	NA	NA	NA	SECOR 11/7/94*
SW21@8	7/14/1994	8	Diesel Range Hydrocarbons	14000	2000	A	Yes	NA	NA	NA	SECOR 11/7/94*
SW16@8	7/11/1994	8	Diesel Range Hydrocarbons	6600	2000	A	Yes	NA	NA	NA	SECOR 11/7/94*
SW16@8	7/11/1994	8	Diesel Range Hydrocarbons	5400	2000	A	Yes	NA	NA	NA	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Diesel Range Hydrocarbons	4100	2000	A	Yes	NA	NA	NA	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Diesel Range Hydrocarbons	2900	2000	A	Yes	NA	NA	NA	SECOR 11/7/94*
SW21@8	7/14/1994	8	Fluorene	2.7	3200	B, NC	No	2	V	Yes	SECOR 11/7/94*
SW21@8	7/14/1994	8	Gasoline Range Hydrocarbons	21000	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
SW16@8	7/11/1994	8	Gasoline Range Hydrocarbons	6100	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
SW16@8	7/11/1994	8	Gasoline Range Hydrocarbons	5300	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Gasoline Range Hydrocarbons	4500	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Gasoline Range Hydrocarbons	3500	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
EW8@8	7/1/1994	8	Gasoline Range Hydrocarbons	1500	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
EW8@8'	7/1/1994	8	Gasoline Range Hydrocarbons	1200	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
NW25@8	7/22/1994	8	Gasoline Range Hydrocarbons	480	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
WW19@7	7/14/1994	7	Gasoline Range Hydrocarbons	320	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
NW28@8'	7/22/1994	8	Gasoline Range Hydrocarbons	310	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
WW19@7	7/14/1994	7	Gasoline Range Hydrocarbons	230	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
NW28@8	7/22/1994	8	Gasoline Range Hydrocarbons	220	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
NW26@8B	7/22/1994	8	Gasoline Range Hydrocarbons	87	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
NW26@8B	7/22/1994	8	Gasoline Range Hydrocarbons	60	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
EW9@4'	7/5/1994	4	Gasoline Range Hydrocarbons	35	30	A	Yes	NA	NA	NA	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Methylene Chloride	0.31 B	0.02	A	Yes	NA	NA	NA	SECOR 11/7/94*
WW19@7	7/14/1994	7	Methylene Chloride	0.044 B	0.02	A	Yes	NA	NA	NA	SECOR 11/7/94*
SW21@8	7/14/1994	8	Naphthalene	9.2 M	5	A	Yes	3.8	V	Yes	SECOR 11/7/94*
SW21@8	7/14/1994	8	PAHs, total carcinogenic	6	0.14	B, Carc	Yes	NA	NA	NA	SECOR 11/7/94*
WW19@7	7/14/1994	7	PAHs, total carcinogenic	0.3	0.14	B, Carc	Yes	NA	NA	NA	SECOR 11/7/94*
SW21@8	7/14/1994	8	Phenanthrene	14	NA	NA	NA	9.7	V	Yes	SECOR 11/7/94*
SW21@8	7/14/1994	8	Total Petroleum Hydrocarbons	26000	2000	A	Yes	NA	NA	NA	SECOR 11/7/94*

Notes:  
feet bgs - feet below ground surface

**Table 4-25  
NBF Central Area, Main Fuel Farm:  
Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

<b>Sample Name</b>	<b>Sample Date</b>	<b>Sample Depth (feet bgs)</b>	<b>Analyte</b>	<b>Conc'n (mg/kg)</b>	<b>MTCA Cleanup Level (mg/kg)</b>	<b>A, B, C</b>	<b>MTCA Cleanup Level Exceedence</b>	<b>Soil-to-Sediment Screening Level (mg/kg)</b>	<b>Vadose or Saturated</b>	<b>Soil-to-Sediment Screening Level Exceedence</b>	<b>Source</b>
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mg/kg - milligrams per kilogram

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

Soil samples from areas that have been excavated are not included in the table.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Soil-to-Sediment Screening Levels**

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Text** indicates the reported concentration exceeds the soil-to-sediment screening level.

**Data Qualifiers**

B - Indicates the analyte was detected in the associated laboratory method blank

M - Indicates an estimated value of the analyte was found and confirmed by analyst, but with low spectral match parameters

**Table 4-26**  
**NBF Central Area, Main Fuel Farm**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
MW-12/MF-12	1986	Benzene	4	0.8	B, Carc	Yes	NA	NA	Landau 9/9/86
MW-14/MF-14	1986	Kerosene	4470	500	A, Diesel	Yes	NA	NA	Landau 9/9/86
MW-12/MF-12	1986	Kerosene	2920	500	A, Diesel	Yes	NA	NA	Landau 9/9/86
MW-13/MF-13	1986	Kerosene	1300	500	A, Diesel	Yes	NA	NA	Landau 9/9/86
MW-19/MF-19	1986	Kerosene	600	500	A, Diesel	Yes	NA	NA	Landau 9/9/86
MW-14/MF-14	1986	Total Petroleum Hydrocarbons	4470	500	A	Yes	NA	NA	Landau 9/9/86
MW-12/MF-12	1986	Total Petroleum Hydrocarbons	2920	500	A	Yes	NA	NA	Landau 9/9/86
MW-13/MF-13	1986	Total Petroleum Hydrocarbons	1300	500	A	Yes	NA	NA	Landau 9/9/86
MW-19/MF-19	1986	Total Petroleum Hydrocarbons	830	500	A	Yes	NA	NA	Landau 9/9/86
MW-18/MF-18	1986	Total Petroleum Hydrocarbons	720	500	A	Yes	NA	NA	Landau 9/9/86
MW-18/MF-18	12/4/1991	Total Petroleum Hydrocarbons	49000	500	A	Yes	NA	NA	SECOR 6/12/96*
MW-12/MF-12	12/4/1991	Total Petroleum Hydrocarbons	1200	500	A	Yes	NA	NA	SECOR 6/12/96*
MW-20/MF-20	4/1/1992	Benzene	20	0.8	B, Carc	Yes	NA	NA	SECOR 6/12/96*
MW-20/MF-20	4/2/1992	Benzene	20	0.8	B, Carc	Yes	NA	NA	SECOR 9/1/92*
MW-28/MF-28	4/1/1992	Benzene	5.9	0.8	B, Carc	Yes	NA	NA	SECOR 6/12/96*
MW-28/MF-28	4/2/1992	Benzene	5.9	0.8	B, Carc	Yes	NA	NA	SECOR 9/1/92*
NGW354/MW-27	4/1/1992	Benzene	4.9	0.8	B, Carc	Yes	NA	NA	SECOR 6/12/96*
NGW354/MW-27	4/2/1992	Benzene	4.9	0.8	B, Carc	Yes	NA	NA	SECOR 9/1/92*
MW-18/MF-18	4/1/1992	Diesel Range Hydrocarbons	58000	500	A	Yes	NA	NA	SECOR 9/1/92*
MW-20/MF-20	4/2/1992	Diesel Range Hydrocarbons	19000	500	A	Yes	NA	NA	SECOR 9/1/92*
MW-12/MF-12	4/1/1992	Diesel Range Hydrocarbons	1400	500	A	Yes	NA	NA	SECOR 9/1/92*
MW-19/MF-19	4/1/1992	Diesel Range Hydrocarbons	1100	500	A	Yes	NA	NA	SECOR 9/1/92*
MW-28/MF-28	4/2/1992	Diesel Range Hydrocarbons	820	500	A	Yes	NA	NA	SECOR 9/1/92*
MW-16/MF-16	4/1/1992	Diesel Range Hydrocarbons	780	500	A	Yes	NA	NA	SECOR 9/1/92*
MW-18/MF-18	4/1/1992	Total Petroleum Hydrocarbons	58000	500	A	Yes	NA	NA	SECOR 6/12/96*
MW-20/MF-20	4/1/1992	Total Petroleum Hydrocarbons	19000	500	A	Yes	NA	NA	SECOR 6/12/96*
MW-12/MF-12	4/1/1992	Total Petroleum Hydrocarbons	1400	500	A	Yes	NA	NA	SECOR 6/12/96*
MW-19/MF-19	4/1/1992	Total Petroleum Hydrocarbons	1100	500	A	Yes	NA	NA	SECOR 6/12/96*
MW-28/MF-28	4/1/1992	Total Petroleum Hydrocarbons	820	500	A	Yes	NA	NA	SECOR 6/12/96*
MW-16/MF-16	4/1/1992	Total Petroleum Hydrocarbons	780	500	A	Yes	NA	NA	SECOR 6/12/96*
NGW354/MW-27	7/22/1992	Benzene	51	0.8	B, Carc	Yes	NA	NA	SECOR 6/12/96*
MW-28/MF-28	7/22/1992	Benzene	5.7	0.8	B, Carc	Yes	NA	NA	SECOR 6/12/96*
MW-12/MF-12	7/22/1992	Benzene	1.4	0.8	B, Carc	Yes	NA	NA	SECOR 6/12/96*
MW-12/MF-12	7/22/1992	Total Petroleum Hydrocarbons	850	500	A	Yes	NA	NA	SECOR 6/12/96*
MW-28/MF-28	7/22/1992	Total Petroleum Hydrocarbons	540	500	A	Yes	NA	NA	SECOR 6/12/96*
NGW354/MW-27	10/29/1992	Benzene	40	0.8	B, Carc	Yes	NA	NA	SECOR 6/12/96*

**Table 4-26**  
**NBF Central Area, Main Fuel Farm**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
MW-28/MF-28	10/30/1992	Total Petroleum Hydrocarbons	820	500	A	Yes	NA	NA	SECOR 6/12/96*
NGW354/MW-27	1/26/1993	Benzene	9.6	0.8	B, Carc	Yes	NA	NA	SECOR 6/12/96*
MW-28/MF-28	1/26/1993	Benzene	5.5	0.8	B, Carc	Yes	NA	NA	SECOR 6/12/96*
NGW354/MW-27	4/26/1993	Benzene	5.1	0.8	B, Carc	Yes	NA	NA	SECOR 6/12/96*
MW-28/MF-28	4/26/1993	Benzene	1.2	0.8	B, Carc	Yes	NA	NA	SECOR 6/12/96*
MW-28/MF-28	4/26/1993	Total Petroleum Hydrocarbons	900	500	A	Yes	NA	NA	SECOR 6/12/96*
MW-28/MF-28	7/21/1993	Benzene	6.2	0.8	B, Carc	Yes	NA	NA	SECOR 6/12/96*
NGW354/MW-27	7/21/1993	Benzene	4.8	0.8	B, Carc	Yes	NA	NA	SECOR 6/12/96*
MW-28/MF-28	10/26/1993	Benzene	35	0.8	B, Carc	Yes	NA	NA	SECOR 6/12/96*
NGW354/MW-27	10/26/1993	Benzene	27	0.8	B, Carc	Yes	NA	NA	SECOR 6/12/96*
MW-28/MF-28	10/26/1993	Total Petroleum Hydrocarbons	1400	500	A	Yes	NA	NA	SECOR 6/12/96*
MW-28/MF-28	1/25/1994	Benzene	10	0.8	B, Carc	Yes	NA	NA	SECOR 6/12/96*
NGW354/MW-27	1/25/1994	Benzene	5.7	0.8	B, Carc	Yes	NA	NA	SECOR 6/12/96*
MW-28/MF-28	1/25/1994	Total Petroleum Hydrocarbons	650	500	A	Yes	NA	NA	SECOR 6/12/96*
NGW354/MW-27	10/25/1994	Benzene	62	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	10/25/1994	Diesel Range Hydrocarbons	560	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	1/25/1995	Benzene	210	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	1/25/1995	Benzene	200	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW359/MW-33	1/25/1995	Benzene	24	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	1/25/1995	Benzene	2.3	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	1/25/1995	Diesel Range Hydrocarbons	14000	500	A	Yes	NA	NA	Not Recorded*
NGW359/MW-33	1/25/1995	Diesel Range Hydrocarbons	9100	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	1/25/1995	Diesel Range Hydrocarbons	3200	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	1/25/1995	Diesel Range Hydrocarbons	2000	500	A	Yes	NA	NA	Not Recorded*
NGW359/MW-33	5/18/1995	Diesel Range Hydrocarbons	81000	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	5/18/1995	Diesel Range Hydrocarbons	8000	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	5/18/1995	Diesel Range Hydrocarbons	3900	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	5/19/1995	Diesel Range Hydrocarbons	1500	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	5/19/1995	Diesel Range Hydrocarbons	1300	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	9/12/1995	Benzene	160	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	9/12/1995	Benzene	48	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW359/MW-33	9/12/1995	Benzene	10	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW356/MW-30	9/11/1995	Benzene	1.7	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW359/MW-33	9/12/1995	Diesel Range Hydrocarbons	46000	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	9/12/1995	Diesel Range Hydrocarbons	20000	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	9/12/1995	Diesel Range Hydrocarbons	3600	500	A	Yes	NA	NA	Not Recorded*



**Table 4-26**  
**NBF Central Area, Main Fuel Farm**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW354/MW-27	9/12/1995	Diesel Range Hydrocarbons	1900	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	9/11/1995	Diesel Range Hydrocarbons	1100	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	3/21/1996	Benzene	100	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	3/21/1996	Benzene	4.1	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW359/MW-33	3/21/1996	Benzene	3.3	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW356/MW-30	3/21/1996	Benzene	1.3	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW359/MW-33	3/21/1996	Diesel Range Hydrocarbons	28000	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	3/21/1996	Diesel Range Hydrocarbons	3000	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	3/21/1996	Diesel Range Hydrocarbons	1700	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	3/21/1996	Diesel Range Hydrocarbons	930	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	3/21/1996	Diesel Range Hydrocarbons	790	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	9/11/1996	Benzene	50	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	9/11/1996	Benzene	34	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW359/MW-33	9/11/1996	Diesel Range Hydrocarbons	10000	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	9/11/1996	Diesel Range Hydrocarbons	4100	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	9/11/1996	Diesel Range Hydrocarbons	2900	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	9/12/1996	Diesel Range Hydrocarbons	1700	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	9/12/1996	Diesel Range Hydrocarbons	1100	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	3/20/1997	Benzene	13	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	3/20/1997	Benzene	9.3	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW357/MW-31	3/20/1997	Benzene	5.8	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	3/20/1997	Diesel Range Hydrocarbons	52000	500	A	Yes	NA	NA	Not Recorded*
NGW359/MW-33	3/20/1997	Diesel Range Hydrocarbons	19000	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	3/20/1997	Diesel Range Hydrocarbons	6600	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	3/20/1997	Diesel Range Hydrocarbons	1800	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	3/20/1997	Diesel Range Hydrocarbons	1100	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/28/1997	Benzene	85	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	8/28/1997	Benzene	6.6	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/28/1997	Diesel Range Hydrocarbons	29000	500	A	Yes	NA	NA	Not Recorded*
NGW359/MW-33	8/28/1997	Diesel Range Hydrocarbons	13000	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	8/28/1997	Diesel Range Hydrocarbons	2600	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	8/28/1997	Diesel Range Hydrocarbons	2500	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	8/28/1997	Diesel Range Hydrocarbons	860	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	7/29/1998	Benzene	58	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	7/29/1998	Benzene	3.9	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	7/29/1998	Diesel Range Hydrocarbons	6800	500	A	Yes	NA	NA	Not Recorded*

**Table 4-26**  
**NBF Central Area, Main Fuel Farm**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW358/MW-32	7/29/1998	Diesel Range Hydrocarbons	3200	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	7/29/1998	Diesel Range Hydrocarbons	1100	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	7/29/1998	Diesel Range Hydrocarbons	1000	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	7/29/1998	Diesel Range Hydrocarbons	820	500	A	Yes	NA	NA	Not Recorded*
NGW359/MW-33	7/29/1998	Diesel Range Hydrocarbons	580	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	1/21/1999	Benzene	25	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	1/21/1999	Benzene	1.4	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	1/21/1999	Diesel Range Hydrocarbons	2700	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	1/21/1999	Diesel Range Hydrocarbons	1100	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	1/21/1999	Diesel Range Hydrocarbons	720	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	1/21/1999	Diesel Range Hydrocarbons	600	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	7/21/1999	Benzene	88	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	7/21/1999	Benzene	76	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	7/21/1999	Benzene	2.2	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW356/MW-30	7/21/1999	Diesel Range Hydrocarbons	970	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	7/21/1999	Diesel Range Hydrocarbons	580	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	7/20/1999	Diesel Range Hydrocarbons	580	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	7/21/1999	Diesel Range Hydrocarbons	550	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/23/2000	Benzene	110 E	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/23/2000	Diesel Range Hydrocarbons	4900	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	2/23/2000	Diesel Range Hydrocarbons	700	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	2/23/2000	Diesel Range Hydrocarbons	990	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	7/26/2000	Benzene	63	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	7/26/2000	Benzene	62	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	7/26/2000	Benzene	1.1	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	7/26/2000	Diesel Range Hydrocarbons	24000	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	7/26/2000	Diesel Range Hydrocarbons	2800	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	7/26/2000	Diesel Range Hydrocarbons	750	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	7/26/2000	Diesel Range Hydrocarbons	640	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/21/2001	Benzene	94	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/21/2001	Benzene	4.4	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/21/2001	Diesel Range Hydrocarbons	61000	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	2/21/2001	Diesel Range Hydrocarbons	2000	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	2/21/2001	Diesel Range Hydrocarbons	2000	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	2/21/2001	Diesel Range Hydrocarbons	1900	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/21/2001	Diesel Range Hydrocarbons	1600	500	A	Yes	NA	NA	Not Recorded*

**Table 4-26**  
**NBF Central Area, Main Fuel Farm**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW354/MW-27	2/21/2001	Jet Fuel A	180000	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/21/2001	Jet Fuel A	3400	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW357/MW-31	2/21/2001	Jet Fuel A	2800	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW356/MW-30	2/21/2001	Jet Fuel A	2200	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW356/MW-30	2/21/2001	Jet Fuel A	2100	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW355/MW-29	2/21/2001	Jet Fuel A	900	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/14/2001	Benzene	110	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	8/14/2001	Benzene	5.4	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	8/14/2001	Benzene	5.2	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/14/2001	Diesel Range Hydrocarbons	36000	500	A	Yes	NA	NA	Not Recorded*
NGW353/MW-26	8/14/2001	Diesel Range Hydrocarbons	4200	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	8/14/2001	Diesel Range Hydrocarbons	1700	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	8/14/2001	Diesel Range Hydrocarbons	1500	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	8/14/2001	Diesel Range Hydrocarbons	840	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	8/14/2001	Diesel Range Hydrocarbons	800	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/14/2001	Jet Fuel A	82000	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW353/MW-26	8/14/2001	Jet Fuel A	7200	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW357/MW-31	8/14/2001	Jet Fuel A	1800	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW358/MW-32	8/14/2001	Jet Fuel A	1800	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW358/MW-32	8/14/2001	Jet Fuel A	1700	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW356/MW-30	8/14/2001	Jet Fuel A	1500	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/21/2002	Benzene	30	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/21/2002	Benzene	3.9	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/21/2002	Diesel Range Hydrocarbons	18000	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/21/2002	Diesel Range Hydrocarbons	2600	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	2/21/2002	Diesel Range Hydrocarbons	1900	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	2/21/2002	Diesel Range Hydrocarbons	950	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/21/2002	Jet Fuel A	47000	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/21/2002	Jet Fuel A	4600	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW357/MW-31	2/21/2002	Jet Fuel A	2200	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW356/MW-30	2/21/2002	Jet Fuel A	1000	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/15/2002	Benzene	59	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	8/15/2002	Benzene	5.2	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/15/2002	Diesel Range Hydrocarbons	2200	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	8/15/2002	Diesel Range Hydrocarbons	2000	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	8/15/2002	Diesel Range Hydrocarbons	1200	500	A	Yes	NA	NA	Not Recorded*

**Table 4-26**  
**NBF Central Area, Main Fuel Farm**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW357/MW-31	8/15/2002	Diesel Range Hydrocarbons	850	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/17/2003	Benzene	44	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/17/2003	Benzene	3.5	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/17/2003	Benzene	3.4	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/17/2003	Diesel Range Hydrocarbons	30000	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/17/2003	Diesel Range Hydrocarbons	3700	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/17/2003	Diesel Range Hydrocarbons	3000	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	2/17/2003	Diesel Range Hydrocarbons	1700	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	2/17/2003	Diesel Range Hydrocarbons	1400	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/17/2003	Jet Fuel A	83000	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/17/2003	Jet Fuel A	5000	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/17/2003	Jet Fuel A	3700	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW357/MW-31	2/17/2003	Jet Fuel A	1800	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW356/MW-30	2/17/2003	Jet Fuel A	1200	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW354/MW-27	7/10/2003	Benzene	10	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	7/10/2003	Benzene	5.3	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	7/10/2003	Diesel Range Hydrocarbons	27000	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	7/10/2003	Diesel Range Hydrocarbons	2100	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	7/10/2003	Diesel Range Hydrocarbons	1200	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	7/10/2003	Diesel Range Hydrocarbons	930	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	7/10/2003	Jet Fuel A	66000	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW358/MW-32	7/10/2003	Jet Fuel A	2800	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW357/MW-31	7/10/2003	Jet Fuel A	1100	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW356/MW-30	7/10/2003	Jet Fuel A	1000	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/11/2004	Benzene	48	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/11/2004	Benzene	3.3	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/11/2004	Benzene	3.2	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/11/2004	Diesel Range Hydrocarbons	4300	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/11/2004	Diesel Range Hydrocarbons	2100	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/11/2004	Diesel Range Hydrocarbons	1600	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	2/11/2004	Diesel Range Hydrocarbons	810	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	2/11/2004	Diesel Range Hydrocarbons	740	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/11/2004	Jet Fuel A	9600	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/11/2004	Jet Fuel A	3600	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/11/2004	Jet Fuel A	2800	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW357/MW-31	2/11/2004	Jet Fuel A	1000	500	A, Diesel	Yes	NA	NA	Not Recorded*

**Table 4-26**  
**NBF Central Area, Main Fuel Farm**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW356/MW-30	2/11/2004	Jet Fuel A	770	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/6/2004	Benzene	240	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	8/6/2004	Benzene	4.8	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/6/2004	Diesel Range Hydrocarbons	6600	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	8/6/2004	Diesel Range Hydrocarbons	2200	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	8/6/2004	Diesel Range Hydrocarbons	870	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	8/6/2004	Diesel Range Hydrocarbons	560	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/6/2004	Jet Fuel A	13000	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW358/MW-32	8/6/2004	Jet Fuel A	3000	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW356/MW-30	8/6/2004	Jet Fuel A	720	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW357/MW-31	8/6/2004	Jet Fuel A	710	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/8/2005	Benzene	56	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/8/2005	Benzene	2.4	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/8/2005	Diesel Range Hydrocarbons	7500	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/8/2005	Diesel Range Hydrocarbons	5000	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	2/8/2005	Diesel Range Hydrocarbons	1100	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	2/8/2005	Diesel Range Hydrocarbons	680	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/8/2005	Jet Fuel A	18000	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/8/2005	Jet Fuel A	6400	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW356/MW-30	2/8/2005	Jet Fuel A	1000	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW357/MW-31	2/8/2005	Jet Fuel A	880	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/19/2005	Benzene	77	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/19/2005	Diesel Range Hydrocarbons	11000	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	8/19/2005	Diesel Range Hydrocarbons	930	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	8/19/2005	Diesel Range Hydrocarbons	580	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/19/2005	Jet Fuel A	23000	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW358/MW-32	8/19/2005	Jet Fuel A	1700	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW357/MW-31	8/19/2005	Jet Fuel A	640	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/20/2006	Benzene	34	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/20/2006	Diesel Range Hydrocarbons	4700	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	2/20/2006	Diesel Range Hydrocarbons	1200	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	2/20/2006	Diesel Range Hydrocarbons	1100	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/20/2006	Diesel Range Hydrocarbons	970	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/20/2006	Jet Fuel A	10000	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/20/2006	Jet Fuel A	1600	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW357/MW-31	2/20/2006	Jet Fuel A	1200	500	A, Diesel	Yes	NA	NA	Not Recorded*

**Table 4-26**  
**NBF Central Area, Main Fuel Farm**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW356/MW-30	2/20/2006	Jet Fuel A	1100	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/15/2006	Benzene	120	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW358/MW-32	8/15/2006	Benzene	1	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/15/2006	Diesel Range Hydrocarbons	3600	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	8/15/2006	Diesel Range Hydrocarbons	530	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/15/2006	Jet Fuel A	11000	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW358/MW-32	8/15/2006	Jet Fuel A	1100	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW357/MW-31	8/15/2006	Jet Fuel A	850	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/19/2007	Benzene	21	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/19/2007	Diesel Range Hydrocarbons	40000	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	2/19/2007	Diesel Range Hydrocarbons	620	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	2/19/2007	Diesel Range Hydrocarbons	600	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/19/2007	Jet Fuel A	95000	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/19/2007	Jet Fuel A	780	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW357/MW-31	2/19/2007	Jet Fuel A	670	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/23/2007	Benzene	79	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/23/2007	Diesel Range Hydrocarbons	3800	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	8/23/2007	Diesel Range Hydrocarbons	800	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/23/2007	Jet Fuel A	11000	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW356/MW-30	8/23/2007	Jet Fuel A	810	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW357/MW-31	8/23/2007	Jet Fuel A	770	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW358/MW-32	8/23/2007	Jet Fuel A	740	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/20/2008	Benzene	51	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/20/2008	Diesel Range Hydrocarbons	3700	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/20/2008	Diesel Range Hydrocarbons	850	500	A	Yes	NA	NA	Not Recorded*
NGW357/MW-31	2/20/2008	Diesel Range Hydrocarbons	810	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	2/20/2008	Diesel Range Hydrocarbons	630	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	2/20/2008	Jet Fuel A	8400	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW358/MW-32	2/20/2008	Jet Fuel A	1300	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW357/MW-31	2/20/2008	Jet Fuel A	1000	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW356/MW-30	2/20/2008	Jet Fuel A	560	500	A, Diesel	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/21/2008	Benzene	180	0.8	B, Carc	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/21/2008	Diesel Range Hydrocarbons	21000	500	A	Yes	NA	NA	Not Recorded*
NGW358/MW-32	8/21/2008	Diesel Range Hydrocarbons	690	500	A	Yes	NA	NA	Not Recorded*
NGW356/MW-30	8/21/2008	Diesel Range Hydrocarbons	640	500	A	Yes	NA	NA	Not Recorded*
NGW354/MW-27	8/21/2008	Jet Fuel A	35000	500	A, Diesel	Yes	NA	NA	Not Recorded*

**Table 4-26**  
**NBF Central Area, Main Fuel Farm**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NGW358/MW-32	8/21/2008	Jet Fuel A	980	500	A, Diesel	Yes	NA	NA	Not Recorded*

**Notes:**

ug/L - micrograms per liter

GW - groundwater

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Groundwater-to-Sediment Screening Levels**

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Data Qualifiers**

E - Indicates that the value exceeded the linear range of the laboratory equipment



**Table 4-27**  
**NBF Central Area, Concourse B:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Concentration (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
B8	7/25/1996	Arsenic	200	0.058	B, Carc	Yes	370	No	SECOR 10/3/96*
B4	7/25/1996	Arsenic	140	0.058	B, Carc	Yes	370	No	SECOR 10/3/96*
B8	7/25/1996	bis(2-Ethylhexyl)phthalate	3.9	6.3	B, Carc	No	0.47	Yes	Not Recorded*
B4	7/25/1996	bis(2-Ethylhexyl)phthalate	2	6.3	B, Carc	No	0.47	Yes	Not Recorded*
B8	7/25/1996	Cadmium	20	5	A	Yes	3.4	Yes	SECOR 10/3/96*
B4	7/25/1996	Cadmium	10	5	A	Yes	3.4	Yes	SECOR 10/3/96*
B8	7/25/1996	Chromium	1260	50	A	Yes	320	Yes	SECOR 10/3/96*
B4	7/25/1996	Chromium	700	50	A	Yes	320	Yes	SECOR 10/3/96*
B8	7/25/1996	Copper	2080	590	B, NC	Yes	120	Yes	SECOR 10/3/96*
B4	7/25/1996	Copper	1660	590	B, NC	Yes	120	Yes	SECOR 10/3/96*
B8	7/25/1996	Lead	460	15	A	Yes	13	Yes	SECOR 10/3/96*
B4	7/25/1996	Lead	320	15	A	Yes	13	Yes	SECOR 10/3/96*
B8	7/25/1996	Manganese	8240	2200	B, NC	Yes	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Manganese	3960	2200	B, NC	Yes	NA	NA	SECOR 10/3/96*
B8	7/25/1996	Mercury	50	2	A	Yes	0.0074	Yes	SECOR 10/3/96*
B8	7/25/1996	Selenium	370	80	B, NC	Yes	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Selenium	290	80	B, NC	Yes	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Tetrachloroethene	18	0.081	B, Carc	Yes	NA	NA	SECOR 10/3/96*
B8	7/25/1996	Tetrachloroethene	1	0.081	B, Carc	Yes	NA	NA	SECOR 10/3/96*
B8	7/25/1996	Total Petroleum Hydrocarbons	5000	500	A	Yes	NA	NA	SECOR 10/3/96*
B8	7/25/1996	Trichloroethene	51	0.49	B, Carc	Yes	NA	NA	SECOR 10/3/96*
B8	7/25/1996	Vanadium	2170	110	B, NC	Yes	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Vanadium	1980	110	B, NC	Yes	NA	NA	SECOR 10/3/96*
B8	7/25/1996	Zinc	13350	4800	B, NC	Yes	76	Yes	SECOR 10/3/96*
B4	7/25/1996	Zinc	2850	4800	B, NC	No	76	Yes	SECOR 10/3/96*

**Table 4-27**  
**NBF Central Area, Concourse B:**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

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**Notes:**

ug/L - micrograms per liter

GW - groundwater

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.


**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

 Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Groundwater-to-Sediment Screening Levels**

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the groundwater-to-sediment screening level.

**Table 4-28  
NBF Central Area, Concourse C:  
Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
B-1 Comp	9/6/1990	1-6	Diesel Range Hydrocarbons	5500	2000	A	Yes	NA	NA	NA	Dames & Moore 10/23/90
B-1 Comp	9/6/1990	1-6	Methylene Chloride	0.089 B	0.02	A	Yes	NA	NA	NA	Dames & Moore 10/23/90

**Notes:**

feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

Soil samples from areas that have been excavated are not included in the table.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Soil-to-Sediment Screening Levels**

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Data Qualifiers**

B - Indicates the analyte was detected in the associated laboratory method blank

**Table 4-29**  
**NBF Southern Area, Former Buildings 3-830, 3-831, 3-832:**  
**Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
B-2	10/25/1989	10.0	Arsenic	19.6	0.67	B, Carc	Yes	590	S	No	Hart Crowser 8/22/90
B-1	10/25/1989	10.0	Arsenic	5.6	0.67	B, Carc	Yes	590	S	No	Hart Crowser 8/22/90
<b>B-2</b>	<b>10/25/1989</b>	<b>10.0</b>	<b>Mercury</b>	<b>0.07</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>0.030</b>	<b>S</b>	<b>Yes</b>	<b>Hart Crowser 8/22/90</b>
B-2	10/25/1989	10.0	Methylene Chloride	0.049 B	0.02	A	Yes	NA	NA	NA	Hart Crowser 8/22/90

**Notes:**

feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

Soil samples from areas that have been excavated are not included in the table.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

RLE - Reporting limit exceeds MTCA Cleanup Level and/or Soil-to-Sediment Screening Level; analyte not detected.

**Soil-to-Sediment Screening Levels**

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the soil-to-sediment screening level.

**Data Qualifiers**

B - Indicates the analyte was detected in the associated laboratory method blank

**Table 4-30**  
**NBF Southern Area, Former Buildings 3-830, 3-831, 3-832**  
**Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Concentration (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
MW-2	11/9/1989	Benzene	2.4	0.8	B, Carc	Yes	NA	NA	Hart Crowser 8/22/90
MW-1	11/9/1989	Benzene	1.2 M	0.8	B, Carc	Yes	NA	NA	Hart Crowser 8/22/90

**Notes:**

ug/L - micrograms per liter

GW - groundwater

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Groundwater-to-Sediment Screening Levels**

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Data Qualifiers**

M - Indicates an estimated value of the analyte was found and confirmed by analyst, but with low spectral match parameters

**Table 4-31. Slip 4 Sediment Trap Data Through April 2009**

Sed Trap#	SQS/ LAET	CSL/ 2LAET	SL4-T1	SL4-T1	SL4-T1	SL4-T1	SL4-T1	SL4-T1	SL4-T1	SL4-T1	SL4-T1	SL4-T1	SL4-T2A	SL4-T2A	SL4-T2A	SL4-T2A	SL4-T2A
<b>Boeing MH #</b>			422	422	422	422	422	422	422	422	422	422	482	482	MH482	MH482	MH482
<b>Round</b>			1	2	3	4	5a	5b	6	7A	7B	8	1	2	3	4	5
<b>Date removed</b>			08/11/05	03/15/06	10/11/06	01/08/07	05/14/07	10/29/07	03/18/08	07/30/08	12/03/08	04/06/09	08/11/05	03/15/06	10/06/06	01/09/07	05/17/07
<b>Sampled by</b>			Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	SPU	SPU	SPU	SPU	SPU
Total solids			72.8 J	71.3 J	37.60	75.0	NA	NA	67.70	NA	49.60	NA	NA	NA	70.1	NA	NA
TOC (%)			4.29	7.86	NA	3.45	NA	NA	3.83	NA	3.98	NA	NA	NA	1.15	NA	NA
<b>Metals (mg/kg DW)</b>																	
Arsenic	57	93	11	10	30	9	20	6	19	10	9 U	NA	NA	NA	7 U	NA	NA
Copper	390	390	83.6	110	325	133	123	79.3	80.1	142	168	NA	NA	NA	33.9	NA	NA
Lead	450	530	140	97 J	216	159	227	84	90	190	215	NA	NA	NA	41	NA	NA
Mercury	0.41	0.59	1.10	0.93 J	8.3	3.65	2.66	1.16 J	0.43	2.64	0.33	NA	NA	NA	0.06 U	NA	NA
Zinc	410	960	368	435	1,140	382	474	313	717	563	518	NA	NA	NA	137	NA	NA
<b>Total petroleum hydrocarbons (mg/kg DW)</b>																	
TPH-diesel	2000 <sup>b</sup>		230	490	NA	350	NA	NA	300	99 U	71	NA	NA	NA	120	NA	NA
TPH-oil	2000 <sup>b</sup>		970	1,800	NA	930	NA	NA	1,100	470	450	NA	NA	NA	440	NA	NA
<b>LPAH (ug/kg DW)</b>																	
Acenaphthene	500	730	210	340 U	240 U	90	480 U	87 UJ	370	200 U	82 U	330 U	NA	NA	570	NA	NA
Acenaphthylene	1,300	1,300	100 U	340 U	240 U	79 U	480 U	87 UJ	160 U	200 U	82 U	330 U	NA	NA	180 U	NA	NA
Anthracene	960	4,400	360	380	290	220	480 U	120 J	510	200 U	85	330 U	NA	NA	830	NA	NA
Fluorene	540	1,000	190	340 U	240 U	130	480 U	87 UJ	490	200 U	82 U	330 U	NA	NA	560	NA	NA
Naphthalene	2,100	2,400	100 U	340 U	240 U	79 U	480 U	87 UJ	160 U	200 U	82 U	330 U	NA	NA	180 U	NA	NA
Phenanthrene	1,500	5,400	2,800	2,500	2,900	1,200	2,700	950 J	4,300	2,000	770	1,100	NA	NA	6,200	NA	NA
<b>HPAH (ug/kg DW)</b>																	
Benzo(a)anthracene	1,300	1,600	1,400	1,800	1,600	1,100	1,900	570 J	1,600	860	540	820	NA	NA	2,600	NA	NA
Benzo(a)pyrene	1,600	3,000	1,700	2,000	2,800	1,400	2,600	830 J	1,900	1,100	760	1,300	NA	NA	4,200	NA	NA
Benzo(b)fluoranthene	3,200	3,600	2,400	2,400	3,200	1,700	3,600	1,600 J	2,500	1,600	840	1,400	NA	NA	6,900	NA	NA
Benzo(g,h,i)perylene	670	720	720	890	2,000	530	1,300	120 J	1,300	1,100	600	1,200	NA	NA	1,800	NA	NA
Benzo(k)fluoranthene	3,200	3,600	1,300	2,300	4,100	1,600	3,400	1,100 J	1,800	1,100	920	1,500	NA	NA	4,900	NA	NA
Chrysene	1,400	2,800	1,900	2,700	4,300	1,600	3,000	1,200 J	2,500	1,600	970	1,500	NA	NA	5,500	NA	NA
Dibenz(a,h)anthracene	230	540	260	340 U	700	120	480 U	87 UJ	490	230	200	340	NA	NA	780	NA	NA
Fluoranthene	1,700	2,500	4,100	6,600	7,700	2,400	5,800	2,200 J	5,600	3,400	1,900	2,500	NA	NA	12,000	NA	NA
Indeno(1,2,3-cd)pyrene	600	690	810	930	2,000	530	1,300	300 J	1,200	940	560	1,000	NA	NA	2,000	NA	NA
Pyrene	2,600	3,300	3,000	3,400	4,700	2,100	3,900	1,700 J	3,800	2,600	1,200	1,900	NA	NA	7,000	NA	NA
<b>Phthalates (ug/kg DW)</b>																	
Bis(2-ethylhexyl)phthalate	1,300	1,900	2,400	2,600	10,000	1,200	9,800	2,900 J	2,200	1,700	2,300	7,300	NA	NA	4,100	NA	NA
Butylbenzylphthalate	63	900	120	340 U	1,200	79 U	480 U	390 J	430	480	100	240 J	NA	NA	500	NA	NA
Diethylphthalate	200	1,200	100 U	340 U	240 U	79 U	480 U	87 UJ	160 U	200 U	82 U	330 U	NA	NA	180 U	NA	NA
Dimethylphthalate	71	160	100 U	340 U	240 U	79 U	480 U	87 UJ	160 U	200 U	82 U	330 U	NA	NA	180 U	NA	NA
Di-n-butylphthalate	1,400	5,100	130	360	240 U	250 Y	480 U	220 J	200	200 U	82 U	330 U	NA	NA	250 U	NA	NA
Di-n-octyl phthalate	6,200	NA	440	1,000	1,500	240	2,700	980 J	470	550	440	1,900	NA	NA	190	NA	NA
<b>PCBs (ug/kg DW)</b>																	
Aroclor 1016			29 U	6,200 U	21,000 U	51,000 Y	87,000 U	4,700 U	3,100 U	740 U	2,200 U	250 U	48 U	65 U	20 R	33 U	76 U
Aroclor 1221			29 U	6,200 U	21,000 U	26,000 Y	87,000 U	4,700 U	3,100 U	740 U	2,200 U	250 U	48 U	65 U	20 R	65 Y	76 U
Aroclor 1232			29 U	6,200 U	21,000 U	51,000 Y	87,000 U	4,700 U	3,100 U	740 U	2,200 U	380 U	48 U	65 U	20 R	65 Y	76 U
Aroclor 1242			29 U	6,200 U	21,000 U	51,000 Y	87,000 U	4,700 U	3,100 U	740 U	2,200 U	680	48 U	65 U	20 R	33 U	76 U
Aroclor 1248			29 U	41,000	110,000 U	100,000 Y	240,000	12,000	3,100 U	3,700 Y	4,400 Y	250 U	48 U	84 Y	20 R	49 Y	76 U
Aroclor 1254			10,000	55,000	110,000	260,000	180,000	9,800	7,600	10,000	19,000	250 U	67	190	20 R	150	120
Aroclor 1260			1,200 U	11,000	21,000 U	51,000 Y	87,000 U	4,700 U	3,100 U	990 Y	2,200 U	250 U	110	190	20 R	130	110
Total PCBs	130	1,000	10,000	107,000	110,000	260,000	420,000	21,800	7,600	10,000	19,000	680	177	380	20 R	280	230
<b>Other organic compounds (ug/kg DW)</b>																	
1,2,4-Trichlorobenzene			100 U	340 U	240 U	79 U	480 U	87 UJ	160 U	200 U	82 U	330 U	NA	NA	180 U	NA	NA
1,2-Dichlorobenzene			100 U	340 U	240 U	79 U	480 U	87 UJ	160 U	200 U	82 U	330 U	NA	NA	180 U	NA	NA
1,3-Dichlorobenzene			100 U	340 U	240 U	79 U	480 U	87 UJ	160 U	200 U	82 U	330 U	NA	NA	180 U	NA	NA
1,4-Dichlorobenzene			100 U	340 U	240 U	79 U	480 U	87 UJ	160 U	200 U	82 U	330 U	NA	NA	180 U	NA	NA
2,2'-Oxybis(1-chloropropane)			100 U	340 U	NA	NA	NA	87 UJ	NA	NA	82 U	NA	NA	NA	180 U	NA	NA
2,4,5-Trichlorophenol			510 U	1,700 U	NA	NA	NA	430 UJ	NA	NA	410 U	NA	NA	NA	910 U	NA	NA
2,4,6-Trichlorophenol			510 U	1,700 U	NA	NA	NA	430 UJ	NA	NA	410 U	NA	NA	NA	910 U	NA	NA
2,4-Dichlorophenol			510 U	1,700 U	NA	NA	NA	430 UJ	NA	NA	410 U	NA	NA	NA	910 U	NA	NA
2,4-Dimethylphenol <sup>a</sup>	29	29	100 U	340 U	240 U	210	480 U	87 UJ	160 U	200 U	82 U	330 U	NA	NA	180 U	NA	NA
2,4-Dinitrophenol			1,000 U	3,400 U	NA	NA	NA	870 UJ	NA	NA	820 U	NA	NA	NA	1,800 U	NA	NA
2,4-Dinitrotoluene			510 U	1,700 U	NA	NA	NA	430 UJ	NA	NA	410 U	NA	NA	NA	910 U	NA	NA

**Table 4-31. Slip 4 Sediment Trap Data Through April 2009**

Sed Trap#	SQS/LAET	CSL/2LAET	SL4-T2A	SL4-T2A	SL4-T2	SL4-T2	SL4-T2	SL4-T2	SL4-T2	SL4-T2	SL4-T2	SL4-T2	SL4-T2	SL4-T2	SL4-T3A	SL4-T3A	SL4-T3A	SL4-T3A
Boeing MH #			MH482	MH482	356	356	356	356	356	356	356	356	356	356	MH19C	MH19C	MH19C	MH19C
Round			6	7	1	2	3	4	5a	5b	6	7A	7B	8	1	2	3	4
Date removed			03/18/08	08/05/08	08/11/05	03/15/06	10/11/06	01/08/07	05/14/07	10/29/07	03/18/08	07/30/08	12/03/08	04/06/09	08/11/05	03/16/06	10/06/06	01/09/07
Sampled by			SPU	SPU	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	SPU	SPU	SPU	SPU
Total solids			30.6	NA	NA	NA	8.93	NA	NA	NA	NA	NA	NA	NA	NA	49.7	NA	50.6
TOC (%)			16.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.80	NA	4.84
<b>Metals (mg/kg DW)</b>																		
Arsenic	57	93	20 U	NA	NA	NA	50 U	NA	NA	5 U	NA	NA	NA	NA	NA	12	20 U	NA
Copper	390	390	263	NA	NA	NA	276	NA	NA	40.9	NA	NA	NA	NA	NA	142	282	NA
Lead	450	530	424	NA	NA	NA	300	NA	NA	43	NA	NA	NA	NA	740	1,070	NA	NA
Mercury	0.41	0.59	0.30	NA	NA	NA	0.6	NA	NA	0.08	NA	NA	NA	NA	NA	0.16	0.2 U	NA
Zinc	410	960	NA	NA	NA	1,560	NA	NA	NA	222	NA	NA	NA	NA	NA	276	418	NA
<b>Total petroleum hydrocarbons (mg/kg DW)</b>																		
TPH-diesel	2000 <sup>b</sup>		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	410	NA	NA
TPH-oil	2000 <sup>b</sup>		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,700	NA	NA
<b>LPAH (ug/kg DW)</b>																		
Acenaphthene	500	730	380 W	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	370 J	83	76
Acenaphthylene	1,300	1,300	120 JW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	34	130
Anthracene	960	4,400	1,100 W	NA	NA	1,700	NA	NA	NA	NA	NA	NA	88 U	NA	NA	690	230	220
Fluorene	540	1,000	470 W	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	420 J	100	110
Naphthalene	2,100	2,400	230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	37	130
Phenanthrene	1,500	5,400	9,200 W	NA	NA	15,000	NA	NA	NA	NA	NA	NA	390	NA	NA	6,000	1,800	1,700
<b>HPAH (ug/kg DW)</b>																		
Benzo(a)anthracene	1,300	1,600	6,100 RW	NA	NA	11,000	NA	NA	NA	NA	NA	NA	330	NA	NA	3,600	1,100	1,100
Benzo(a)pyrene	1,600	3,000	8,300 W	NA	NA	15,000	NA	NA	NA	NA	NA	NA	520	NA	NA	4,600	1,500	1,600
Benzo(b)fluoranthene	3,200	3,600	15,000 W	NA	NA	26,000	NA	NA	NA	NA	NA	NA	820	NA	NA	7,400	2,100	3,400
Benzo(g,h,i)perylene	670	720	3,800 W	NA	NA	9,000	NA	NA	NA	NA	NA	NA	600	NA	NA	2,200 J	510	880
Benzo(k)fluoranthene	3,200	3,600	8,500 W	NA	NA	17,000	NA	NA	NA	NA	NA	NA	860	NA	NA	5,100	1,200	1,100
Chrysene	1,400	2,800	13,000 RW	NA	NA	23,000	NA	NA	NA	NA	NA	NA	850	NA	NA	6,800	2,100	2,100
Dibenz(a,h)anthracene	230	540	1,100 W	NA	NA	2,100	NA	NA	NA	NA	NA	NA	88 U	NA	NA	600	250	170
Fluoranthene	1,700	2,500	20,000 RW	NA	NA	45,000	NA	NA	NA	NA	NA	NA	1,100	NA	NA	12,000	3,700	4,000
Indeno(1,2,3-cd)pyrene	600	690	4,100 W	NA	NA	9,200	NA	NA	NA	NA	NA	NA	530	NA	NA	2,500	580	1,100
Pyrene	2,600	3,300	12,000 RW	NA	NA	23,000	NA	NA	NA	NA	NA	NA	810	NA	NA	8,400	2,600	2,400
<b>Phthalates (ug/kg DW)</b>																		
Bis(2-ethylhexyl)phthalate	1,300	1,900	11,000 W	NA	NA	34,000	NA	NA	NA	NA	NA	NA	1,500	NA	NA	3,800	670	800
Butylbenzylphthalate	63	900	450 RW	NA	NA	1,600	NA	NA	NA	NA	NA	NA	88 U	NA	NA	540 J	62	140
Diethylphthalate	200	1,200	230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	100 U	NA	NA	660 U	20 U	130
Dimethylphthalate	71	160	230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
Di-n-butylphthalate	1,400	5,100	230 W	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	110 U	130
Di-n-octyl phthalate	6,200	NA	500 W	NA	NA	9,800	NA	NA	NA	NA	NA	NA	280	NA	NA	660 U	44	130
<b>PCBs (ug/kg DW)</b>																		
Aroclor 1016			970 UW	75 U	21 U	210 U	300 U	67 U	19 U	35 U	13 U	24 U	9.9 U	34 U	34 U	20 U	NA	32
Aroclor 1221			970 UW	75 U	21 U	210 U	75 U	67 U	19 U	35 U	13 U	24 U	9.9 U	34 U	34 U	20 U	NA	32
Aroclor 1232			970 UW	75 U	21 U	210 U	380 U	67 U	19 U	35 U	13 U	24 U	9.9 U	34 U	34 U	20 U	NA	32
Aroclor 1242			970 UW	75 U	21 U	210 U	230 U	67 U	19 U	35 U	13 U	24 U	9.9 U	48	34 U	20 U	NA	32
Aroclor 1248			970 UW	75 U	21 U	210 U	300 U	67 U	19 U	35 U	19 U	24 U	9.9 U	34 U	34 U	20 U	NA	32
Aroclor 1254			970 UW	170	500 P	890	760	180	70	90	47	24	10	34 U	38 JP	550	NA	100
Aroclor 1260			970 UW	190	340	570	470	140	58	43	38	24 U	9.9 U	34 U	34 U	180	NA	87
Total PCBs	130	1,000	970 UW	360	840 P	1,460	1,230	320	128	133	85	24	10	48	38	730	NA	187
<b>Other organic compounds (ug/kg DW)</b>																		
1,2,4-Trichlorobenzene			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
1,2-Dichlorobenzene			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
1,3-Dichlorobenzene			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
1,4-Dichlorobenzene			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
2,2'-Oxybis(1-chloropropane)			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
2,4,5-Trichlorophenol			1,100 UW	NA	NA	6,600 U	NA	NA	NA	NA	NA	NA	440 U	NA	NA	3,300 U	99 U	670
2,4,6-Trichlorophenol			1,100 UW	NA	NA	6,600 U	NA	NA	NA	NA	NA	NA	440 U	NA	NA	3,300 U	99 U	670
2,4-Dichlorophenol			1,100 UW	NA	NA	6,600 U	NA	NA	NA	NA	NA	NA	440 U	NA	NA	3,300 U	99 U	670
2,4-Dimethylphenol <sup>a</sup>	29	29	230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
2,4-Dinitrophenol			2,300 UW	NA	NA	13,000 U	NA	NA	NA	NA	NA	NA	880 U	NA	NA	6,600 U	200 U	1,300
2,4-Dinitrotoluene			1,100 UW	NA	NA	6,600 U	NA	NA	NA	NA	NA	NA	440 U	NA	NA	3,300 U	99 U	670



**Table 4-31. Slip 4 Sediment Trap Data Through April 2009**

Sed Trap#	SQS/ LAET	CSL/ 2LAET	SL4-T3A	SL4-T3A	SL4-T3A	SL4-T3	SL4-T3	SL4-T3	SL4-T3	SL4-T3	SL4-T3	SL4-T3	SL4-T3	SL4-T3	SL4-T3	SL4-T4A	SL4-T4A	SL4-T4A
<b>Boeing MH #</b>			MH19C	MH19C	MH19C	364	364	364	364	364	364	364	364	364	364	229A	229A	229A
<b>Round</b>			5	6	7	1	2	3	4	5a	5b	6	7A	7B	8	1	2	3
<b>Date removed</b>			05/17/07	03/18/08	08/05/08	08/11/05	03/15/06	10/11/06	01/08/07	05/14/07	10/29/07	03/18/08	07/30/08	12/03/08	04/06/09	08/11/05	03/15/06	10/11/06
<b>Sampled by</b>			SPU	SPU	SPU	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing
Total solids			35.4	NA	0.0	NA	13.4 J	4.93	40.8	NA	NA	NA	NA	NA	NA	47.3 J	NA	27.8
TOC (%)			6.77	NA	74.70	NA	5.80	NA	2.38	NA	NA	NA	NA	NA	NA	5.35	NA	NA
<b>Metals (mg/kg DW)</b>																		
Arsenic	57	93	20 U	10 U	30 U	NA	30 U	100 U	10 U	NA	5 U	NA	NA	NA	NA	20 U	NA	20
Copper	390	390	121	117	86	NA	99	106	72.2	NA	4.3	NA	NA	NA	NA	121	NA	262
Lead	450	530	787	405	250	NA	120	100	97	NA	4	NA	NA	NA	NA	787	NA	414
Mercury	0.41	0.59	0.10 U	0.10	0.09 U	NA	0.3	0.7 U	0.09 U	NA	0.03 U	NA	NA	NA	NA	0.1 U	NA	0.3
Zinc	410	960	289	241	179	NA	448	660	293	NA	30	NA	NA	NA	NA	289	NA	1,220
<b>Total petroleum hydrocarbons (mg/kg DW)</b>																		
TPH-diesel	2000 <sup>b</sup>		NA	NA	420	NA	320	NA	NA	NA	NA	NA	NA	NA	NA	100	180	NA
TPH-oil	2000 <sup>b</sup>		NA	NA	5,300	NA	1,200	NA	NA	NA	NA	NA	NA	NA	NA	410	1,100	NA
<b>LPAH (ug/kg DW)</b>																		
Acenaphthene	500	730 J	NA	100 J	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
Acenaphthylene	1,300	1,300 U	NA	200 U	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
Anthracene	960	4,400	NA	320	270 U	NA	530 U	NA	480 U	NA	NA	63	NA	82 U	NA	180	600 U	NA
Fluorene	540	1,000 J	NA	150 J	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
Naphthalene	2,100	2,400 U	NA	200 U	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
Phenanthrene	1,500	5,400	NA	2,700	1,300	NA	1,800	NA	2,000	NA	NA	300	NA	82 U	NA	1,700	1,600	NA
<b>HPAH (ug/kg DW)</b>																		
Benzo(a)anthracene	1,300	1,600	NA	1,800	820	NA	1,200	NA	1,300	NA	NA	210	NA	82 U	NA	860	1,000	NA
Benzo(a)pyrene	1,600	3,000	NA	2,600	1,300	NA	1,500	NA	1,900	NA	NA	310	NA	82 U	NA	1,400	1,600	NA
Benzo(b)fluoranthene	3,200	3,600	NA	5,000	1,800	NA	2,600	NA	3,000	NA	NA	500	NA	82 U	NA	2,100	2,500	NA
Benzo(g,h,i)perylene	670	720	NA	1,000	880	NA	950	NA	1,500	NA	NA	220	NA	82 U	NA	710	900	NA
Benzo(k)fluoranthene	3,200	3,600	NA	3,300	2,000	NA	1,700	NA	1,700	NA	NA	240	NA	82 U	NA	1,300	1,900	NA
Chrysene	1,400	2,800	NA	4,200	2,200	NA	2,600	NA	2,600	NA	NA	390	NA	84	NA	1,700	2,500	NA
Dibenz(a,h)anthracene	230	540	NA	320	270 U	NA	530 U	NA	480 U	NA	NA	60	NA	82 U	NA	160 U	600 U	NA
Fluoranthene	1,700	2,500	NA	7,400	2,700	NA	4,800	NA	4,700	NA	NA	690	NA	100	NA	3,100	4,200	NA
Indeno(1,2,3-cd)pyrene	600	690	NA	1,300	840	NA	930	NA	1,400	NA	NA	220	NA	82 U	NA	780	960	NA
Pyrene	2,600	3,300	NA	4,200	2,200	NA	2,700	NA	2,900	NA	NA	480	NA	90	NA	2,100	2,400	NA
<b>Phthalates (ug/kg DW)</b>																		
Bis(2-ethylhexyl)phthalate	1,300	1,900	NA	2,900	3,800	NA	4,800	NA	3,600	NA	NA	490	NA	340	NA	2,600	2,600	NA
Butylbenzylphthalate	63	900	NA	170 J	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
Diethylphthalate	200	1,200 U	NA	200 U	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
Dimethylphthalate	71	160 U	NA	200 U	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
Di-n-butylphthalate	1,400	5,100 U	NA	200 U	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	350	600 U	NA
Di-n-octyl phthalate	6,200	NA U	NA	100 J	270 U	NA	23,000	NA	11,000	NA	NA	1,600	NA	2,000	NA	4,300	9,600	NA
<b>PCBs (ug/kg DW)</b>																		
Aroclor 1016		U	59 U	920 U	50 U	20 U	160 U	78 U	49 U	NA	34 U	10 U	13 U	10 U	21 U	10 U	10 U	81 U
Aroclor 1221		U	59 U	920 U	50 U	20 U	160 U	39 U	49 U	NA	34 U	10 U	13 U	10 U	21 U	10 U	10 U	81 U
Aroclor 1232		U	59 U	920 U	50 U	20 U	310 U	160 U	49 U	NA	34 U	10 U	13 U	10 U	21 U	10 U	10 U	81 U
Aroclor 1242		U	59 U	920 U	50 U	20 U	160 U	78 U	49 U	NA	34 U	10 U	13 U	10 U	28	10 U	10 U	81 U
Aroclor 1248		U	59 U	920 U	50 U	20 U	270 U	160 U	120 Y	NA	34 U	20 U	13 U	10 U	21 U	10 U	10 U	81 U
Aroclor 1254			78	920 U	140	1,400	1,300	480	430	NA	34 U	65	32	26	21 U	290 P	39	83
Aroclor 1260			59 U	920 U	97	380 U	510	150	140	NA	34 U	25	13 U	10 U	21 U	160	75	160
Total PCBs	130	1,000	78	920 U	237	1,400	1,810	630	570	NA	34 U	90	32	26	28	450 P	114	243
<b>Other organic compounds (ug/kg DW)</b>																		
1,2,4-Trichlorobenzene		U	NA	200 U	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
1,2-Dichlorobenzene		U	NA	200 U	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
1,3-Dichlorobenzene		U	NA	200 U	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
1,4-Dichlorobenzene		U	NA	200 U	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
2,2'-Oxybis(1-chloropropane)		U	NA	200 U	270 U	NA	530 U	NA	NA	NA	NA	NA	NA	82 U	NA	160 U	600 U	NA
2,4,5-Trichlorophenol		U	NA	990 U	1,300 U	NA	2,700 U	NA	NA	NA	NA	NA	NA	410 U	NA	790 U	3,000 U	NA
2,4,6-Trichlorophenol		U	NA	990 U	1,300 U	NA	2,700 U	NA	NA	NA	NA	NA	NA	410 U	NA	790 U	3,000 U	NA
2,4-Dichlorophenol		U	NA	990 U	1,300 U	NA	2,700 U	NA	NA	NA	NA	NA	NA	410 U	NA	790 U	3,000 U	NA
2,4-Dimethylphenol <sup>a</sup>	29	29 U	NA	200 U	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
2,4-Dinitrophenol		U	NA	2,000 U	2,700 U	NA	5,300 U	NA	NA	NA	NA	NA	NA	820 U	NA	1,600 U	6,000 U	NA
2,4-Dinitrotoluene		U	NA	990 U	1,300 U	NA	2,700 U	NA	NA	NA	NA	NA	NA	410 U	NA	790 U	3,000 U	NA

**Table 4-31. Slip 4 Sediment Trap Data Through April 2009**

Sed Trap#	SQS/ LAET	CSL/ 2LAET	SL4-T4A	SL4-T4A	SL4-T4A	SL4-T4A	SL4-T4A	SL4-T4A	SL4-T4A	SL4-T4	SL4-T4	SL4-T4	SL4-T4	SL4-T4	SL4-T4	SL4-T4	SL4-T4	SL4-T4
<b>Boeing MH #</b>			229A	229A	229A	229A	229A	229A	229A	221A	221A	221A	221A	221A	221A	221A	221A	221A
<b>Round</b>			4	5a	5b	6	7A	7B	8	1	2	3	4	5a	5b	6	7A	7B
<b>Date removed</b>			01/08/07	05/14/07	10/29/07	03/18/08	07/30/08	12/03/08	04/06/09	08/11/05	03/15/06	10/11/06	01/08/07	05/17/07	10/29/07	03/18/08	07/30/08	12/03/08
<b>Sampled by</b>			Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing
Total solids			50.5	NA	NA	NA	NA	NA	NA	NA	41.6 J	16.2	42.3	NA	NA	50.40	NA	NA
TOC (%)			4.06	NA	NA	NA	NA	NA	NA	NA	5.41	NA	4.34	NA	NA	4.38	NA	NA
<b>Metals (mg/kg DW)</b>																		
Arsenic	57	93	12	NA	6	NA	NA	NA	NA	NA	20	70	10	NA	50	18	NA	NA
Copper	390	390	76	NA	61.0	NA	NA	NA	NA	NA	134	271	125	NA	329	85.8	NA	NA
Lead	450	530	121	NA	77	NA	NA	NA	NA	NA	190	330	175	NA	288	115	NA	NA
Mercury	0.41	0.59	0.09	NA	0.07	NA	NA	NA	NA	NA	0.4	0.6	0.4	NA	0.5	0.21	NA	NA
Zinc	410	960	433	NA	309	NA	NA	NA	NA	NA	733	2,460	828	NA	1,990	1,080	NA	NA
<b>Total petroleum hydrocarbons (mg/kg DW)</b>																		
TPH-diesel	2000 <sup>b</sup>		140	NA	NA	NA	NA	NA	NA	NA	580	NA	1,200	NA	NA	100	NA	NA
TPH-oil	2000 <sup>b</sup>		600	NA	NA	NA	NA	NA	NA	NA	1,800	NA	1,300	NA	NA	420	NA	NA
<b>LPAH (ug/kg DW)</b>																		
Acenaphthene	500	730	160 U	NA	NA	61 U	530 U	NA	500 U	1,300	550 U	NA	280 U	NA	NA	98 U	470 U	260 U
Acenaphthylene	1,300	1,300	160 U	NA	NA	61 U	530 U	NA	500 U	210 U	550 U	NA	280 U	NA	NA	98 U	470 U	260 U
Anthracene	960	4,400	210	NA	NA	120	530 U	NA	500 U	1,500	550 U	NA	500	NA	NA	98 U	470 U	260 U
Fluorene	540	1,000	160 U	NA	NA	61 U	530 U	NA	500 U	1,000	550 U	NA	340	NA	NA	98 U	470 U	260 U
Naphthalene	2,100	2,400	160 U	NA	NA	61 U	530 U	NA	500 U	670	550 U	NA	280 U	NA	NA	98 U	470 U	260 U
Phenanthrene	1,500	5,400	1,400	NA	NA	800	1,000	NA	2,300	8,600	2,800	NA	4,100	NA	NA	560	820	2,800
<b>HPAH (ug/kg DW)</b>																		
Benzo(a)anthracene	1,300	1,600	920	NA	NA	460	630	NA	1,100	3,000	1,600	NA	2,300	NA	NA	340	470 U	550
Benzo(a)pyrene	1,600	3,000	1,500	NA	NA	730	1,200	NA	2,100	3,400	2,000	NA	3,300	NA	NA	600	830	920
Benzo(b)fluoranthene	3,200	3,600	2,300	NA	NA	1,200	2,000	NA	2,600	4,600	2,800	NA	5,200	NA	NA	1,000	1,400	1,100
Benzo(g,h,i)perylene	670	720	690	NA	NA	590	1,200	NA	2,300	1,600	990	NA	1,400	NA	NA	470	960	810
Benzo(k)fluoranthene	3,200	3,600	2,500	NA	NA	1,000	1,400	NA	3,500	2,600	2,200	NA	4,400	NA	NA	570	910	1,600
Chrysene	1,400	2,800	2,000	NA	NA	1,100	1,600	NA	3,300	4,100	3,100	NA	4,400	NA	NA	770	1,100	1,800
Dibenz(a,h)anthracene	230	540	160 U	NA	NA	220	530 U	NA	320 J	730	550 U	NA	280 U	NA	NA	200	470 U	260 U
Fluoranthene	1,700	2,500	3,200	NA	NA	1,800	2,500	NA	4,800	8,900	6,100	NA	8,700	NA	NA	1,300	1,900	3,800
Indeno(1,2,3-cd)pyrene	600	690	670	NA	NA	560	1,200	NA	2,100	1,900	1,000	NA	1,400	NA	NA	450	830	730
Pyrene	2,600	3,300	2,300	NA	NA	1,200	2,000	NA	3,900	6,800	3,500	NA	5,600	NA	NA	860	1,400	2,500
<b>Phthalates (ug/kg DW)</b>																		
Bis(2-ethylhexyl)phthalate	1,300	1,900	3,700	NA	NA	1,400	1,700	NA	2,500	6,000	7,400	NA	9,000	NA	NA	2,300	2,800	5,500
Butylbenzylphthalate	63	900	220	NA	NA	76	530 U	NA	500 U	210 U	550 U	NA	440	NA	NA	98 U	470 U	260 U
Diethylphthalate	200	1,200	160 U	NA	NA	61 U	530 U	NA	500 U	210 U	550 U	NA	280 U	NA	NA	98 U	470 U	260 U
Dimethylphthalate	71	160	160 U	NA	NA	61 U	530 U	NA	500 U	210 U	550 U	NA	280 U	NA	NA	98 U	470 U	260 U
Di-n-butylphthalate	1,400	5,100	240	NA	NA	130	530 U	NA	420 J	260	550 U	NA	340	NA	NA	98 U	470 U	260 U
Di-n-octyl phthalate	6,200	NA	7,200	NA	NA	2,600	5,900	NA	16,000	3,700	6,900	NA	11,000	NA	NA	2,400	3,300	3,600
<b>PCBs (ug/kg DW)</b>																		
Aroclor 1016			10 U	NA	11 U	10 U	15 U	11 U	10 U	10 U	95 U	94 U	96 U	160 U	45 U	75 U	30 U	50 U
Aroclor 1221			10 U	NA	11 U	10 U	15 U	11 U	10 U	10 U	95 U	23 U	96 U	160 U	45 U	75 U	30 U	50 U
Aroclor 1232			10 U	NA	11 U	10 U	15 U	11 U	10 U	10 U	95 U	94 U	96 U	160 U	45 U	75 U	30 U	50 U
Aroclor 1242			10 U	NA	11 U	10 U	15 U	11 U	10 U	10 U	95 U	120 U	96 U	160 U	45 U	75 U	30 U	50 U
Aroclor 1248			10 U	NA	22	10 U	15 U	11 U	10 U	10 U	100 U	140 U	96 U	160 U	45 U	75 U	200 Y	50 U
Aroclor 1254			41	NA	49	16	28	11 U	10 U	1,900 P	750	580	1,000	790	1,200	240	510	100
Aroclor 1260			62	NA	28	26	30	11 U	10 U	850	340	360	700	800	680	200	270	140
Total PCBs	130	1,000	103	NA	99	42	58	11 U	10 U	2,750 P	1,090	940	1,700	1,590	1,880	440	780	240
<b>Other organic compounds (ug/kg DW)</b>																		
1,2,4-Trichlorobenzene			160 U	NA	NA	61 U	530 U	NA	500 U	210 U	550 U	NA	280 U	NA	NA	98 U	470 U	260 U
1,2-Dichlorobenzene			160 U	NA	NA	61 U	530 U	NA	500 U	210 U	550 U	NA	280 U	NA	NA	98 U	470 U	260 U
1,3-Dichlorobenzene			160 U	NA	NA	61 U	530 U	NA	500 U	210 U	550 U	NA	280 U	NA	NA	98 U	470 U	260 U
1,4-Dichlorobenzene			160 U	NA	NA	61 U	530 U	NA	500 U	210 U	550 U	NA	280 U	NA	NA	98 U	470 U	260 U
2,2'-Oxybis(1-chloropropane)			NA	NA	NA	NA	NA	NA	NA	210 U	550 U	NA	NA	NA	NA	NA	NA	260 U
2,4,5-Trichlorophenol			NA	NA	NA	NA	NA	NA	NA	1,000 U	2,800 U	NA	NA	NA	NA	NA	NA	1,300 U
2,4,6-Trichlorophenol			NA	NA	NA	NA	NA	NA	NA	1,000 U	2,800 U	NA	NA	NA	NA	NA	NA	1,300 U
2,4-Dichlorophenol			NA	NA	NA	NA	NA	NA	NA	1,000 U	2,800 U	NA	NA	NA	NA	NA	NA	1,300 U
2,4-Dimethylphenol <sup>a</sup>	29	29	160 U	NA	NA	61 U	530 U	NA	500 U	210 U	550 U	NA	280 U	NA	NA	98 U	470 U	260 U
2,4-Dinitrophenol			NA	NA	NA	NA	NA	NA	NA	2,100 U	5,500 U	NA	NA	NA	NA	NA	NA	2,600 U
2,4-Dinitrotoluene			NA	NA	NA	NA	NA	NA	NA	1,000 U	2,800 U	NA	NA	NA	NA	NA	NA	1,300 U

**Table 4-31. Slip 4 Sediment Trap Data Through April 2009**

Sed Trap#	SQS/ LAET	CSL/ 2LAET	SL4-T4	SL4-T5A	SL4-T5A	SL4-T5A	SL4-T5A	SL4-T5A	SL4-T5A	SL4-T5A	SL4-T5A	SL4-T5A	SL4-T5A	SL4-T5	SL4-T5	SL4-T5	SL4-T5	SL4-T5
<b>Boeing MH #</b>			221A	178	178	178	178	178	178	178	178	178	178	363	363	363	363	363
<b>Round</b>			8	1	2	3	4	5a	5b	6	7A	7B	8	1	2	3	4	5a
<b>Date removed</b>			04/06/09	08/11/05	03/15/06	10/06/06	01/08/07	05/14/07	10/29/07	03/18/08	07/30/08	12/03/08	04/06/09	08/11/05	03/15/05	10/11/06	01/08/07	05/14/07
<b>Sampled by</b>			Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing
Total solids				NA	50.8 J	39.20	69.9	45.40	40.20	74.40	40.70	49.80	41.70	NA	54.6 J	28.80	62.7	27.10
TOC (%)				NA	7.62	7.68	4.88	8.87	11.8	3.56	NA	13.2	14.9	NA	7.59	11.00	4.76	8.76
<b>Metals (mg/kg DW)</b>																		
Arsenic	57	93	5.0 U	14	20	NA	7 U	20	20	7 U	10	20	10 U	21	20 U	40 U	10	40 U
Copper	390	390	61.4	113	541	NA	103	227	359	76.9	206	316 J	759	148	297	640	140	251
Lead	450	530	83	962	233	NA	100	194	486	92	172	687 J	257	109	184	310	102	210
Mercury	0.41	0.59	0.11	0.86	0.27	NA	0.15	0.38	0.4	0.14	0.21	0.58 J	0.42	1.12	2.02	2.9	5.11	1.8
Zinc	410	960	317	220	597	NA	209	464	781	201	374	691	1,000	553	717	1,370	428	751
<b>Total petroleum hydrocarbons (mg/kg DW)</b>																		
TPH-diesel	2000 <sup>b</sup>		1,300	160	1,400	660	340	770	240	86	160	230 J	1,600	390	1,200	1,200	840	580
TPH-oil	2000 <sup>b</sup>		3,400	570	7,500	4,800	1,600	6,800	2,300	760	900	1,600 J	5,800	1,400	4,800	5,900	3,100	3,500
<b>LPAH (ug/kg DW)</b>																		
Acenaphthene	500	730	370 U	110 U	680 U	380 U	170 U	370 U	560 UJ	160 U	290 U	230 U	150 J	130 U	1,200 U	260 U	220 U	420 U
Acenaphthylene	1,300	1,300	370 U	110 U	680 U	380 U	170 U	NA	560 UJ	160 U	290 U	230 U	250 U	130 U	1,200 U	260 U	220 U	NA
Anthracene	960	4,400	370 U	150	680 U	380 U	320	370 U	560 UJ	200	290 U	480	360	210	1,200 U	260 U	270	420 U
Fluorene	540	1,000	370 U	110 U	680 U	380 U	170 U	370 U	560 UJ	160 U	290 U	230	190 J	130 U	1,200 U	260 U	220 U	420 U
Naphthalene	2,100	2,400	370 U	110 U	680 U	380 U	170 U	370 U	560 UJ	160 U	290 U	230 U	250 U	130 U	1,200 U	260 U	220 U	420 U
Phenanthrene	1,500	5,400	1,800	1,300	4,600	2,900	2,200	2,100	2,300 J	1,300	1,700	3,800	3,500	1,600	3,700	2,400	1,800	1,600
<b>HPAH (ug/kg DW)</b>																		
Benzo(a)anthracene	1,300	1,600	700	840	3,200	2,000	1,700	1,400	1,500 J	950	1,200	2,700	2,200	940	2,500	1,300	1,400	1,100
Benzo(a)pyrene	1,600	3,000	1,500	1,100	4,500	3,000	2,300	2,200	1,200 J	1,300	1,900	4,000	3,500	1,200	3,000	2,300	2,200	1,700
Benzo(b)fluoranthene	3,200	3,600	2,200	1,600	7,400	4,200	3,600	4,100	4,100 J	1,900	2,700	4,600	4,300	1,700	4,500	3,100	3,000	2,700
Benzo(g,h,i)perylene	670	720	1,600	450	2,100	2,000	1,000	1,200	560 UJ	850	1,500	2,500	2,200	600	1,500	1,500	870	1,100
Benzo(k)fluoranthene	3,200	3,600	2,200	800	4,300	3,500	3,100	2,600	2,800 J	1,000	1,800	4,400	5,200	970	2,900	3,000	2,900	2,400
Chrysene	1,400	2,800	2,600	1,200	6,300	4,400	2,700	2,800	3,100 J	1,400	2,300	4,700	5,000	1,400	4,300	3,700	2,700	2,100
Dibenz(a,h)anthracene	230	540	410	110 U	680 U	640	220	370 U	560 UJ	290	300	890	630	130 U	1,200 U	480	220 U	420 U
Fluoranthene	1,700	2,500	4,200	2,400	13,000	6,900	5,000	5,600	5,800 J	3,100	4,100	9,500	8,100	2,900	9,700	6,500	3,700	3,900
Indeno(1,2,3-cd)pyrene	600	690	1,400	520	2,200	2,000	1,000	1,200	560 UJ	810	1,400	2,400	2,400	680	1,600	1,400	840	1,100
Pyrene	2,600	3,300	2,600	1,700	6,000	5,200	3,800	2,700	3,000 J	2,000	3,200	5,500	5,800	2,000	5,100	4,100	3,400	1,800
<b>Phthalates (ug/kg DW)</b>																		
Bis(2-ethylhexyl)phthalate	1,300	1,900	19,000	1,800	10,000	10,000	3,800	13,000	13,000 J	990	5,800	9,800	24,000	2,700	8,300	19,000	7,300	15,000
Butylbenzylphthalate	63	900	370 U	110 U	680 U	580	170 U	370 U	560 UJ	160 U	320	370	240 J	140	1,200 U	440	230	420 U
Diethylphthalate	200	1,200	370 U	110 U	680 U	380 U	170 U	370 U	560 UJ	160 U	290 U	230 U	250 U	130 U	1,200 U	260 U	220 U	420 U
Dimethylphthalate	71	160	370 U	110 U	680 U	380 U	170 U	370 U	560 UJ	160 U	290 U	230 U	250 U	130 U	1,200 U	260 U	220 U	420 U
Di-n-butylphthalate	1,400	5,100	370 U	150	680 U	730	170 U	370 U	560 UJ	160 U	290 U	230 U	250 U	130 U	1,200 U	360	450 Y	420 U
Di-n-octyl phthalate	6,200	NA	22,000	220	2,500	4,800	1,300	3,700	2,800 J	180	530	3,500	2,000	1,200	5,500	7,200	2,300	8,800
<b>PCBs (ug/kg DW)</b>																		
Aroclor 1016			82 U	10 U	100 U	100 U	70 U	47 U	30 U	19 U	15 U	49 U	68 U	49 U	7,600 U	55,000 U	66,000 U	11,000 U
Aroclor 1221			82 U	10 U	100 U	100 U	70 U	47 U	30 U	19 U	15 U	49 U	68 U	49 U	7,600 U	55,000 U	66,000 U	11,000 U
Aroclor 1232			82 U	10 U	100 U	100 U	70 U	47 U	30 U	19 U	15 U	49 U	68 U	49 U	7,600 U	55,000 U	130,000 U	11,000 U
Aroclor 1242			160	10 U	100 U	100 U	70 U	47 U	30 U	19 U	15 U	49 U	130	49 U	7,600 U	55,000 U	66,000 U	11,000 U
Aroclor 1248			180	10 U	100 U	100 U	70 U	47 U	120 U	19 U	75 Y	49 U	68 U	49 U	48,000	660,000 U	130,000 Y	90,000
Aroclor 1254			82 U	72	320	430	86	240	490	85	160	190	68 U	24,000	54,000	800,000	200,000	93,000
Aroclor 1260			82 U	34	330	170	70 U	150	180	36	48	120	68 U	2,400 U	12,000	130,000 U	66,000 U	23,000 U
Total PCBs	130	1,000	340	106	650	600	86	390	670	121	208	310	130	24,000	114,000	800,000	200,000	183,000
<b>Other organic compounds (ug/kg DW)</b>																		
1,2,4-Trichlorobenzene			370 U	110 U	680 U	380 U	170 U	370 U	560 UJ	160 U	290 U	230 U	250 U	130 U	1,200 U	260 U	220 U	420 U
1,2-Dichlorobenzene			370 U	110 U	680 U	380 U	170 U	370 U	560 UJ	160 U	290 U	230 U	250 U	130 U	1,200 U	260 U	220 U	420 U
1,3-Dichlorobenzene			370 U	110 U	680 U	380 U	170 U	370 U	560 UJ	160 U	290 U	230 U	250 U	130 U	1,200 U	260 U	220 U	420 U
1,4-Dichlorobenzene			370 U	110 U	680 U	380 U	170 U	370 U	560 UJ	160 U	290 U	230 U	250 U	130 U	1,200 U	260 U	220 U	420 U
2,2'-Oxybis(1-chloropropane)			NA	110 U	680 U	NA	NA	NA	560 UJ	NA	NA	230 U	NA	130 U	1,200 U	NA	NA	NA
2,4,5-Trichlorophenol			NA	560 U	3,400 U	NA	NA	NA	2,800 UJ	NA	NA	1,200 U	NA	660 U	5,800 U	NA	NA	NA
2,4,6-Trichlorophenol			NA	560 U	3,400 U	NA	NA	NA	2,800 UJ	NA	NA	1,200 U	NA	660 U	5,800 U	NA	NA	NA
2,4-Dichlorophenol			NA	560 U	3,400 U	NA	NA	NA	2,800 UJ	NA	NA	1,200 U	NA	660 U	5,800 U	NA	NA	NA
2,4-Dimethylphenol <sup>a</sup>	29	29	370 U	110 U	680 U	380 U	170 U	370 U	560 UJ	160 U	290 U	230 U	250 U	130 U	1,200 U	260 U	440	420 U
2,4-Dinitrophenol			NA	1,100 U	6,800 U	NA	NA	NA	5,600 UJ	NA	NA	2,300 U	NA	1,300 U	12,000 U	NA	NA	NA
2,4-Dinitrotoluene			NA	560 U	3,400 U	NA	NA	NA	2,800 UJ	NA	NA	1,200 U	NA	660 U	5,800 U	NA	NA	NA

**Table 4-31. Slip 4 Sediment Trap Data Through April 2009**

Sed Trap#	SQS/ LAET	CSL/ 2LAET	SL4-T5	SL4-T5	SL4-T5	SL4-T5	SL4-T5	SL4-T6	SL4-T6	SL4-T6	SL4-T6	SL4-T6	SL4-T6	SL4-T6
<b>Boeing MH #</b>			363	363	363	363	363	NA	NA	NA	NA	NA	NA	NA
<b>Round</b>			5b	6	7A	7B	8	1	2	3	4	5	6	7
<b>Date removed</b>			10/29/07	03/18/08	07/30/08	12/03/08	04/06/09	08/11/05	03/16/06	10/06/06	01/09/07	05/17/07	03/18/08	08/05/08
<b>Sampled by</b>			Boeing	Boeing	Boeing	Boeing	Boeing	SPU	SPU	SPU	SPU	SPU	SPU	SPU
Total solids			27.10	45.00	34.20	33.50	26.40	82.9	66.4	47.7	70.0	54.5	75.6	NA
TOC (%)			9.95	11.4	NA	13.1	14.6	3.17	4.02	4.74	4.91	2.01	1.97	NA
<b>Metals (mg/kg DW)</b>														
Arsenic	57	93	40 U	10	20	20	20	11	9	10 U	8 U	10 U	7 U	NA
Copper	390	390	366	257	328	556	764	84.5	93.3	156	75.6	83.2	77.6	NA
Lead	450	530	240	186	199	273	275	110	91	137	131	87	261	NA
Mercury	0.41	0.59	4.4	1.07	0.6 J	1.0	0.7	0.1	0.07	0.2	0.06 U	0.07 U	0.06 U	NA
Zinc	410	960	1,120	611	933	1,510	1,280	422	697	801	405	510	376	NA
<b>Total petroleum hydrocarbons (mg/kg DW)</b>														
TPH-diesel	2000 <sup>b</sup>		460	1,500	220	120 J	3,900	310	530	NA	280	NA	NA	NA
TPH-oil	2000 <sup>b</sup>		2,900	6,900	1,100	710 J	12,000	800	3,000	NA	1,500	NA	NA	NA
<b>LPAH (ug/kg DW)</b>														
Acenaphthene	500	730	120 UJ	1,100	270 U	230 U	470 U	79 U	210 U	99 J	59	NA	220 J	100 U
Acenaphthylene	1,300	1,300	120 UJ	450 U	270 U	230 U	470 U	79 U	210 U	170 U	45 U	NA	150 J	100 U
Anthracene	960	4,400	120 UJ	1,800	270 U	230 U	250 J	98	130 J	160 J	100	NA	550	230
Fluorene	540	1,000	120 UJ	1,300	270 U	230 U	470 U	79 U	210 U	140 J	62	NA	630	100 U
Naphthalene	2,100	2,400	120 UJ	450 U	270 U	230 U	470 U	79 U	210 U	140 J	45 U	NA	450	100 U
Phenanthrene	1,500	5,400	840 J	9,200	780	1,400	2,600	570	740	1,100	450	NA	2,500	850
<b>HPAH (ug/kg DW)</b>														
Benzo(a)anthracene	1,300	1,600	440 J	4,000	420	900	1,500	270	370	500	280	NA	680	510
Benzo(a)pyrene	1,600	3,000	390 J	5,400	690	1,400	2,200	250	340	690	270	NA	680	500
Benzo(b)fluoranthene	3,200	3,600	1,200 J	6,600	810	1,400	2,700	380	480	750	520	NA	700	560
Benzo(g,h,i)perylene	670	720	120 UJ	3,400	690	1,200	2,200	79 U	150 J	280	96	NA	200 J	300
Benzo(k)fluoranthene	3,200	3,600	1,400 J	4,400	1,100	2,000	3,700	220	430	770	190	NA	680	600
Chrysene	1,400	2,800	1,200 J	7,000	1,100	2,100	3,700	370	580	970	330	NA	950	780
Dibenz(a,h)anthracene	230	540	120 UJ	1,500	270 U	390	380 J	79 U	210 U	170 U	45 U	NA	260 U	100 U
Fluoranthene	1,700	2,500	2,200 J	14,000	1,800	3,700	5,800	880	1,100	2,000	810	NA	2,600	1,400
Indeno(1,2,3-cd)pyrene	600	690	170 J	3,300	600	1,100	2,000	84	140 J	200	95	NA	180 J	230
Pyrene	2,600	3,300	1,100 J	9,900	1,400	2,300	4,200	630	820	1,200	620	NA	1,600	1,300
<b>Phthalates (ug/kg DW)</b>														
Bis(2-ethylhexyl)phthalate	1,300	1,900	8,000 J	13,000	6,100	5,900	34,000	6,000	7,500	16,000	2,600	NA	12,000	7,400
Butylbenzylphthalate	63	900	690 J	1,200	370	860	1,300	420	330	800	240	NA	500	270
Diethylphthalate	200	1,200	120 UJ	450 U	270 U	230 U	470 U	79 U	210 U	170 U	45 U	NA	260 U	100 U
Dimethylphthalate	71	160	120 UJ	450 U	270 U	230 U	470 U	79 U	210 U	90 J	40 J	NA	260 U	150
Di-n-butylphthalate	1,400	5,100	160 J	470	270 U	230 U	470 U	460	210 U	990 B	51	NA	260 U	100 U
Di-n-octyl phthalate	6,200	NA	4,400 J	4,400	2,300	1,600	11,000	430	1,200	1,500	190	NA	2,500	610
<b>PCBs (ug/kg DW)</b>														
Aroclor 1016			650 U	4,600 U	250 U	510 U	1,100 U	1,800 U	20 U	39 U	32 U	58 U	960 U	55 U
Aroclor 1221			650 U	4,600 U	250 U	510 U	1,100 U	1,800 U	20 U	39 U	32 U	58 U	960 U	55 U
Aroclor 1232			650 U	4,600 U	250 U	510 U	1,600 U	1,800 U	20 U	39 U	32 U	58 U	960 U	55 U
Aroclor 1242			650 U	4,600 U	250 U	510 U	2,100	1,800 U	20 U	39 U	32 U	58 U	960 U	55 U
Aroclor 1248			25,000	7,000 U	1,700 Y	1,000 Y	1,100 U	1,800 U	39 Y	39 U	32 U	58 U	960 U	55 U
Aroclor 1254			37,000	16,000	4,200	3,100	1,100 U	1,800 U	100	110	48	58 U	960 U	58
Aroclor 1260			650 U	4,600 U	250 U	510 U	1,100 U	7,800	150	210	38	58 U	960 U	52 J
Total PCBs	130	1,000	62,000	16,000	4,200	3,100	2,100	7,800	250	320	86	58 U	960 U	110 J
<b>Other organic compounds (ug/kg DW)</b>														
1,2,4-Trichlorobenzene			120 UJ	450 U	270 U	230 U	470 U	79 U	210 U	170 U	45 U	NA	260 U	100 U
1,2-Dichlorobenzene			120 UJ	450 U	270 U	230 U	470 U	79 U	210 U	170 U	45 U	NA	260 U	100 U
1,3-Dichlorobenzene			120 UJ	450 U	270 U	230 U	470 U	79 U	210 U	170 U	45 U	NA	260 U	100 U
1,4-Dichlorobenzene			120 UJ	450 U	270 U	230 U	470 U	79 U	210 U	170 U	45 U	NA	260 U	100 U
2,2'-Oxybis(1-chloropropane)			120 UJ	NA	NA	230 U	NA	79 U	210 U	170 U	45 U	NA	260 U	100 U
2,4,5-Trichlorophenol			600 UJ	NA	NA	1,200 U	NA	390 U	1,000 U	850 U	220 U	NA	1,300 U	510 U
2,4,6-Trichlorophenol			600 UJ	NA	NA	1,200 U	NA	390 U	1,000 U	850 U	220 U	NA	1,300 U	510 U
2,4-Dichlorophenol			600 UJ	NA	NA	1,200 U	NA	390 U	1,000 U	850 U	220 U	NA	1,300 U	510 U
2,4-Dimethylphenol <sup>a</sup>	29	29	120 UJ	450 U	270 U	230 U	470 U	79 U	210 U	170 U	45 U	NA	260 U	100 U
2,4-Dinitrophenol			1,200 UJ	NA	NA	2,300 U	NA	790 U	2,100 U	1,700 U	450 U	NA	2,600 U	1,000 U
2,4-Dinitrotoluene			600 UJ	NA	NA	1,200 U	NA	390 U	1,000 U	850 U	220 U	NA	1,300 U	510 U



**Table 4-31. Slip 4 Sediment Trap Data Through April 2009**

Sed Trap#	SQS/ LAET	CSL/ 2LAET	SL4-T1	SL4-T1	SL4-T1	SL4-T1	SL4-T1	SL4-T1	SL4-T1	SL4-T1	SL4-T1	SL4-T1	SL4-T2A	SL4-T2A	SL4-T2A	SL4-T2A	SL4-T2A
Boeing MH #			422	422	422	422	422	422	422	422	422	422	482	482	MH482	MH482	MH482
Round			1	2	3	4	5a	5b	6	7A	7B	8	1	2	3	4	5
Date removed			08/11/05	03/15/06	10/11/06	01/08/07	05/14/07	10/29/07	03/18/08	07/30/08	12/03/08	04/06/09	08/11/05	03/15/06	10/06/06	01/09/07	05/17/07
Sampled by			Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	SPU	SPU	SPU	SPU	SPU
2,6-Dinitrotoluene			510 U	1,700 U	NA	NA	NA	430 UJ	NA	NA	410 U	NA	NA	NA	910 U	NA	NA
2-Chloronaphthalene			100 U	340 U	NA	NA	NA	87 UJ	NA	NA	82 U	NA	NA	NA	180 U	NA	NA
2-Chlorophenol			100 U	340 U	NA	NA	NA	87 UJ	NA	NA	82 U	NA	NA	NA	180 U	NA	NA
2-Methylnaphthalene			120	340 U	240 U	79 U	480 U	87 UJ	160 U	200 U	82 U	330 U	NA	NA	360	NA	NA
2-Methylphenol <sup>a</sup>			100 U	340 U	240 U	79 U	480 U	87 UJ	160 U	200 U	82 U	330 U	NA	NA	180 U	NA	NA
2-Nitroaniline			510 U	1,700 U	NA	NA	NA	430 UJ	NA	NA	410 U	NA	NA	NA	910 U	NA	NA
2-Nitrophenol			510 U	1,700 U	NA	NA	NA	430 UJ	NA	NA	410 U	NA	NA	NA	910 U	NA	NA
3,3'-Dichlorobenzidine			510 U	1,700 U	NA	NA	NA	430 UJ	NA	NA	410 U	NA	NA	NA	910 U	NA	NA
3-Nitroaniline			510 U	1,700 U	NA	NA	NA	430 UJ	NA	NA	410 U	NA	NA	NA	910 U	NA	NA
4,6-Dinitro-2-methylphenol			1,000 U	3,400 U	NA	NA	NA	870 UJ	NA	NA	820 U	NA	NA	NA	1,800 U	NA	NA
4-Bromophenyl-phenylether			100 U	340 U	NA	NA	NA	87 UJ	NA	NA	82 U	NA	NA	NA	180 U	NA	NA
4-Chloro-3-methylphenol			510 U	1,700 U	NA	NA	NA	430 UJ	NA	NA	410 U	NA	NA	NA	910 U	NA	NA
4-Chloroaniline			510 U	1,700 U	NA	NA	NA	430 UJ	NA	NA	410 U	NA	NA	NA	910 U	NA	NA
4-Chlorophenyl-phenylether			100 U	340 U	NA	NA	NA	87 UJ	NA	NA	82 U	NA	NA	NA	180 U	NA	NA
4-Methylphenol <sup>a</sup>	670	670	100 U	340 U	420	170	480 U	87 UJ	160 U	200 U	82 U	330 U	NA	NA	820	NA	NA
4-Nitroaniline			510 U	1,700 U	NA	NA	NA	430 UJ	NA	NA	410 U	NA	NA	NA	910 U	NA	NA
4-Nitrophenol			510 U	1,700 U	NA	NA	NA	430 UJ	NA	NA	410 U	NA	NA	NA	910 U	NA	NA
Benzoic acid <sup>a</sup>	650	650	1,000 U	3,400 U	2,400 U	790 U	4,800 U	870 UJ	1,600 U	2,000 U	2,600	3,300 U	NA	NA	1,800 U	NA	NA
Benzyl alcohol <sup>a</sup>			100 U	340 U	240 U	79 U	480 U	87 UJ	160 U	200 U	200	330 U	NA	NA	180 U	NA	NA
bis(2-Chloroethoxy) methane			100 U	340 U	NA	NA	NA	87 UJ	NA	NA	82 U	NA	NA	NA	180 U	NA	NA
Bis-(2-chloroethyl) ether			100 U	340 U	NA	NA	NA	87 UJ	NA	NA	82 U	NA	NA	NA	180 U	NA	NA
Carbazole			390	480	NA	NA	NA	240 J	NA	NA	210	NA	NA	NA	1,300	NA	NA
Dibenzofuran			150	340 U	240 U	79 U	480 U	87 UJ	260	200 U	82 U	330 U	NA	NA	490	NA	NA
Hexachlorobenzene			100 U	340 U	240 U	79 U	480 U	87 UJ	160 U	200 U	82 U	330 U	NA	NA	180 U	NA	NA
Hexachlorobutadiene			100 U	340 U	240 U	79 U	480 U	87 UJ	160 U	200 U	82 U	330 U	NA	NA	180 U	NA	NA
Hexachlorocyclopentadiene			510 U	1,700 U	NA	NA	NA	430 UJ	NA	NA	410 U	NA	NA	NA	910 U	NA	NA
Hexachloroethane			100 U	340 U	240 U	79 U	480 U	87 UJ	160 U	200 U	82 U	330 U	NA	NA	180 U	NA	NA
Isophorone			100 U	340 U	NA	NA	NA	87 UJ	NA	NA	82 U	NA	NA	NA	180 U	NA	NA
Nitrobenzene			100 U	340 U	NA	NA	NA	87 UJ	NA	NA	82 U	NA	NA	NA	180 U	NA	NA
N-Nitroso-di-n-propylamine			510 U	1,700 U	NA	NA	NA	430 UJ	NA	NA	410 U	NA	NA	NA	910 U	NA	NA
N-Nitrosodiphenylamine			100 U	340 U	240 U	79 U	480 U	87 UJ	160 U	200 U	82 U	330 U	NA	NA	180 U	NA	NA
Pentachlorophenol <sup>a</sup>	360	690	510 U	1,700 U	1,200 U	400 U	2,400 U	430 UJ	770 U	1,000 U	410 U	1,700 U	NA	NA	910 U	NA	NA
Phenol <sup>a</sup>	420	1,200	100 U	340 U	260	79 U	480 U	87 UJ	160 U	200 U	82 U	330 U	NA	NA	670 U	NA	NA

- a. SMS based on dry weight concentration.
- b. MTCA Method A soil cleanup level for unrestricted use.
- J = Concentration is less than the reporting limit.
- M = Estimated value due to low spectral match parameters. Chemical is detected and confirmed by analyst.
- P = High RPD on dual column analysis without obvious interference.
- U = Chemical not detected at concentration shown
- Y = Chemical not detected at concentration shown. Reporting limit raised due to background interference.
- W = Results presented as wet weight.

**Table 4-31. Slip 4 Sediment Trap Data Through April 2009**

Sed Trap#	SQS/ LAET	CSL/ 2LAET	SL4-T2A	SL4-T2A	SL4-T2	SL4-T2	SL4-T2	SL4-T2	SL4-T2	SL4-T2	SL4-T2	SL4-T2	SL4-T2	SL4-T2	SL4-T3A	SL4-T3A	SL4-T3A	SL4-T3A
Boeing MH #			MH482	MH482	356	356	356	356	356	356	356	356	356	356	MH19C	MH19C	MH19C	MH19C
Round			6	7	1	2	3	4	5a	5b	6	7A	7B	8	1	2	3	4
Date removed			03/18/08	08/05/08	08/11/05	03/15/06	10/11/06	01/08/07	05/14/07	10/29/07	03/18/08	07/30/08	12/03/08	04/06/09	08/11/05	03/16/06	10/06/06	01/09/07
Sampled by			SPU	SPU	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	SPU	SPU	SPU	SPU
2,6-Dinitrotoluene			1,100 UW	NA	NA	6,600 U	NA	NA	NA	NA	NA	NA	440 U	NA	NA	3,300 U	99 U	670
2-Chloronaphthalene			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
2-Chlorophenol			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
2-Methylnaphthalene			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	<b>42</b>	130
<b>2-Methylphenol<sup>a</sup></b>			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
2-Nitroaniline			1,100 UW	NA	NA	6,600 U	NA	NA	NA	NA	NA	NA	440 U	NA	NA	3,300 U	99 U	670
2-Nitrophenol			1,100 UW	NA	NA	6,600 U	NA	NA	NA	NA	NA	NA	440 U	NA	NA	3,300 U	99 U	670
3,3'-Dichlorobenzidine			1,100 UW	NA	NA	6,600 U	NA	NA	NA	NA	NA	NA	440 U	NA	NA	3,300 <b>R</b>	99 U	670
3-Nitroaniline			1,100 UW	NA	NA	6,600 U	NA	NA	NA	NA	NA	NA	440 U	NA	NA	3,300 U	99 U	670
4,6-Dinitro-2-methylphenol			2,300 UW	NA	NA	13,000 U	NA	NA	NA	NA	NA	NA	880 U	NA	NA	6,600 U	200 U	1,300
4-Bromophenyl-phenylether			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
4-Chloro-3-methylphenol			1,100 UW	NA	NA	6,600 U	NA	NA	NA	NA	NA	NA	440 U	NA	NA	3,300 U	99 U	670
4-Chloroaniline			1,100 UW	NA	NA	6,600 U	NA	NA	NA	NA	NA	NA	440 U	NA	NA	3,300 <b>R</b>	99 U	670
4-Chlorophenyl-phenylether			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
<b>4-Methylphenol<sup>a</sup></b>	670	670	<b>400 W</b>	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	<b>3,000</b>	<b>10 J</b>	<b>310</b>
4-Nitroaniline			1,100 UW	NA	NA	6,600 U	NA	NA	NA	NA	NA	NA	440 U	NA	NA	3,300 U	99 U	670
4-Nitrophenol			1,100 UW	NA	NA	6,600 U	NA	NA	NA	NA	NA	NA	440 U	NA	NA	3,300 U	99 U	670
<b>Benzoic acid<sup>a</sup></b>	650	650	2,300 UW	NA	NA	13,000 U	NA	NA	NA	NA	NA	NA	880 U	NA	NA	6,600 U	200 U	1,300
<b>Benzyl alcohol<sup>a</sup></b>			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
bis(2-Chloroethoxy) methane			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
Bis-(2-chloroethyl) ether			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
Carbazole			<b>2,800 W</b>	NA	NA	<b>3,600</b>	NA	NA	NA	NA	NA	NA	<b>100</b>	NA	NA	<b>1,400</b>	<b>340</b>	<b>540</b>
Dibenzofuran			<b>390 W</b>	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	<b>76</b>	130
Hexachlorobenzene			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
Hexachlorobutadiene			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
Hexachlorocyclopentadiene			1,100 UW	NA	NA	6,600 U	NA	NA	NA	NA	NA	NA	440 U	NA	NA	3,300 U	99 U	670
Hexachloroethane			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
Isophorone			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
Nitrobenzene			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
N-Nitroso-di-n-propylamine			1,100 UW	NA	NA	6,600 U	NA	NA	NA	NA	NA	NA	440 U	NA	NA	3,300 U	99 U	670
N-Nitrosodiphenylamine			230 UW	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	20 U	130
<b>Pentachlorophenol<sup>a</sup></b>	360	690	1,100 UW	NA	NA	6,600 U	NA	NA	NA	NA	NA	NA	440 U	NA	NA	3,300 U	99 U	670
<b>Phenol<sup>a</sup></b>	420	1,200	<b>540 W</b>	NA	NA	1,300 U	NA	NA	NA	NA	NA	NA	88 U	NA	NA	660 U	<b>40 B</b>	130

**Table 4-31. Slip 4 Sediment Trap Data Through April 2009**

Sed Trap#	SQS/ LAET	CSL/ 2LAET	SL4-T3A	SL4-T3A	SL4-T3A	SL4-T3	SL4-T3	SL4-T3	SL4-T3	SL4-T3	SL4-T3	SL4-T3	SL4-T3	SL4-T3	SL4-T3	SL4-T4A	SL4-T4A	SL4-T4A	
<b>Boeing MH #</b>			<b>MH19C</b>	<b>MH19C</b>	<b>MH19C</b>	<b>364</b>	<b>364</b>	<b>364</b>	<b>364</b>	<b>364</b>	<b>364</b>	<b>364</b>	<b>364</b>	<b>364</b>	<b>364</b>	<b>229A</b>	<b>229A</b>	<b>229A</b>	
<b>Round</b>			5	6	7	1	2	3	4	5a	5b	6	7A	7B	8	1	2	3	
<b>Date removed</b>			05/17/07	03/18/08	08/05/08	08/11/05	03/15/06	10/11/06	01/08/07	05/14/07	10/29/07	03/18/08	07/30/08	12/03/08	04/06/09	08/11/05	03/15/06	10/11/06	
<b>Sampled by</b>			SPU	SPU	SPU	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	
2,6-Dinitrotoluene			U	NA	990 U	1,300 U	NA	2,700 U	NA	NA	NA	NA	NA	NA	410 U	NA	790 U	3,000 U	NA
2-Chloronaphthalene			U	NA	200 U	270 U	NA	530 U	NA	NA	NA	NA	NA	NA	82 U	NA	160 U	600 U	NA
2-Chlorophenol			U	NA	200 U	270 U	NA	530 U	NA	NA	NA	NA	NA	NA	82 U	NA	160 U	600 U	NA
2-Methylnaphthalene			U	NA	200 U	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
2-Methylphenol <sup>a</sup>			U	NA	200 U	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
2-Nitroaniline			U	NA	990 U	1,300 U	NA	2,700 U	NA	NA	NA	NA	NA	NA	410 U	NA	790 U	3,000 U	NA
2-Nitrophenol			U	NA	990 U	1,300 U	NA	2,700 U	NA	NA	NA	NA	NA	NA	410 U	NA	790 U	3,000 U	NA
3,3'-Dichlorobenzidine			U	NA	990 U	1,300 U	NA	2,700 U	NA	NA	NA	NA	NA	NA	410 U	NA	790 U	3,000 U	NA
3-Nitroaniline			U	NA	990 U	1,300 U	NA	2,700 U	NA	NA	NA	NA	NA	NA	410 U	NA	790 U	3,000 U	NA
4,6-Dinitro-2-methylphenol			U	NA	2,000 U	2,700 U	NA	5,300 U	NA	NA	NA	NA	NA	NA	820 U	NA	1,600 U	6,000 U	NA
4-Bromophenyl-phenylether			U	NA	200 U	270 U	NA	530 U	NA	NA	NA	NA	NA	NA	82 U	NA	160 U	600 U	NA
4-Chloro-3-methylphenol			U	NA	990 U	1,300 U	NA	2,700 U	NA	NA	NA	NA	NA	NA	410 U	NA	790 U	3,000 U	NA
4-Chloroaniline			U	NA	990 U	1,300 U	NA	2,700 U	NA	NA	NA	NA	NA	NA	410 U	NA	790 U	3,000 U	NA
4-Chlorophenyl-phenylether			U	NA	200 U	270 U	NA	530 U	NA	NA	NA	NA	NA	NA	82 U	NA	160 U	600 U	NA
4-Methylphenol <sup>a</sup>	670	670	U	NA	200 U	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
4-Nitroaniline			U	NA	990 U	1,300 U	NA	2,700 U	NA	NA	NA	NA	NA	NA	410 U	NA	790 U	3,000 U	NA
4-Nitrophenol			U	NA	990 U	1,300 U	NA	2,700 U	NA	NA	NA	NA	NA	NA	410 U	NA	790 U	3,000 U	NA
Benzoic acid <sup>a</sup>	650	650	U	NA	2,000 U	2,700 U	NA	5,300 U	NA	4,800 U	NA	NA	590 U	NA	820 U	NA	1,600 U	6,000 U	NA
Benzyl alcohol <sup>a</sup>			U	NA	200 U	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
bis(2-Chloroethoxy) methane			U	NA	200 U	270 U	NA	530 U	NA	NA	NA	NA	NA	NA	82 U	NA	160 U	600 U	NA
Bis-(2-chloroethyl) ether			U	NA	200 U	270 U	NA	530 U	NA	NA	NA	NA	NA	NA	82 U	NA	160 U	600 U	NA
Carbazole				NA	<b>830</b>	<b>350</b>	NA	530 U	NA	NA	NA	NA	NA	NA	82 U	NA	<b>370</b>	600 U	NA
Dibenzofuran			U	NA	130 J	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
Hexachlorobenzene			U	NA	200 U	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
Hexachlorobutadiene			U	NA	200 U	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
Hexachlorocyclopentadiene			U	NA	990 U	1,300 U	NA	2,700 U	NA	NA	NA	NA	NA	NA	410 U	NA	790 U	3,000 U	NA
Hexachloroethane			U	NA	200 U	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
Isophorone			U	NA	200 U	270 U	NA	530 U	NA	NA	NA	NA	NA	NA	82 U	NA	160 U	600 U	NA
Nitrobenzene			U	NA	200 U	270 U	NA	530 U	NA	NA	NA	NA	NA	NA	82 U	NA	160 U	600 U	NA
N-Nitroso-di-n-propylamine			U	NA	990 U	1,300 U	NA	2,700 U	NA	NA	NA	NA	NA	NA	410 U	NA	790 U	3,000 U	NA
N-Nitrosodiphenylamine			U	NA	200 U	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA
Pentachlorophenol <sup>a</sup>	360	690	U	NA	990 U	1,300 U	NA	2,700 U	NA	2,400 U	NA	NA	300 U	NA	410 U	NA	790 U	3,000 U	NA
Phenol <sup>a</sup>	420	1,200	U	NA	<b>210</b>	270 U	NA	530 U	NA	480 U	NA	NA	59 U	NA	82 U	NA	160 U	600 U	NA

- a. SMS based on dry weight concentration.
- b. MTCA Method A soil cleanup level for unrestricted use.
- J = Concentration is less than the reporting limit.
- M = Estimated value due to low spectral match parameters. Chemical is detected and confirmed by analyst.
- P = High RPD on dual column analysis without obvious interference.
- U = Chemical not detected at concentration shown
- Y = Chemical not detected at concentration shown. Reporting limit raised due to background interference.



**Table 4-31. Slip 4 Sediment Trap Data Through April 2009**

Sed Trap#	SQS/ LAET	CSL/ 2LAET	SL4-T4A	SL4-T4A	SL4-T4A	SL4-T4A	SL4-T4A	SL4-T4A	SL4-T4A	SL4-T4	SL4-T4	SL4-T4	SL4-T4	SL4-T4	SL4-T4	SL4-T4	SL4-T4	SL4-T4
Boeing MH #			229A	229A	229A	229A	229A	229A	229A	221A	221A	221A	221A	221A	221A	221A	221A	221A
Round			4	5a	5b	6	7A	7B	8	1	2	3	4	5a	5b	6	7A	7B
Date removed			01/08/07	05/14/07	10/29/07	03/18/08	07/30/08	12/03/08	04/06/09	08/11/05	03/15/06	10/11/06	01/08/07	05/17/07	10/29/07	03/18/08	07/30/08	12/03/08
Sampled by			Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing
2,6-Dinitrotoluene			NA	NA	NA	NA	NA	NA	NA	1,000 U	2,800 U	NA	NA	NA	NA	NA	NA	1,300 U
2-Chloronaphthalene			NA	NA	NA	NA	NA	NA	NA	210 U	550 U	NA	NA	NA	NA	NA	NA	260 U
2-Chlorophenol			NA	NA	NA	NA	NA	NA	NA	210 U	550 U	NA	NA	NA	NA	NA	NA	260 U
2-Methylnaphthalene			160 U	NA	NA	61 U	530 U	NA	500 U	4,000	550 U	NA	280 U	NA	NA	98 U	470 U	260 U
2-Methylphenol <sup>a</sup>			160 U	NA	NA	61 U	530 U	NA	500 U	240	550 U	NA	280 U	NA	NA	98 U	470 U	260 U
2-Nitroaniline			NA	NA	NA	NA	NA	NA	NA	1,000 U	2,800 U	NA	NA	NA	NA	NA	NA	1,300 U
2-Nitrophenol			NA	NA	NA	NA	NA	NA	NA	1,000 U	2,800 U	NA	NA	NA	NA	NA	NA	1,300 U
3,3'-Dichlorobenzidine			NA	NA	NA	NA	NA	NA	NA	1,000 U	2,800 U	NA	NA	NA	NA	NA	NA	1,300 U
3-Nitroaniline			NA	NA	NA	NA	NA	NA	NA	1,000 U	2,800 U	NA	NA	NA	NA	NA	NA	1,300 U
4,6-Dinitro-2-methylphenol			NA	NA	NA	NA	NA	NA	NA	2,100 U	5,500 U	NA	NA	NA	NA	NA	NA	2,600 U
4-Bromophenyl-phenylether			NA	NA	NA	NA	NA	NA	NA	210 U	550 U	NA	NA	NA	NA	NA	NA	260 U
4-Chloro-3-methylphenol			NA	NA	NA	NA	NA	NA	NA	1,000 U	2,800 U	NA	NA	NA	NA	NA	NA	1,300 U
4-Chloroaniline			NA	NA	NA	NA	NA	NA	NA	1,000 U	2,800 U	NA	NA	NA	NA	NA	NA	1,300 U
4-Chlorophenyl-phenylether			NA	NA	NA	NA	NA	NA	NA	210 U	550 U	NA	NA	NA	NA	NA	NA	260 U
4-Methylphenol <sup>a</sup>	670	670	160 U	NA	NA	61 U	530 U	NA	380 J	210 U	550 U	NA	280 U	NA	NA	98 U	470 U	260 U
4-Nitroaniline			NA	NA	NA	NA	NA	NA	NA	1,000 U	2,800 U	NA	NA	NA	NA	NA	NA	1,300 U
4-Nitrophenol			NA	NA	NA	NA	NA	NA	NA	1,000 U	2,800 U	NA	NA	NA	NA	NA	NA	1,300 U
Benzoic acid <sup>a</sup>	650	650	1,600 U	NA	NA	610 U	5,300 U	NA	5,000 U	2,100 U	5,500 U	NA	2,800 U	NA	NA	980 U	4,700 U	2,600 U
Benzyl alcohol <sup>a</sup>			160 U	NA	NA	61 U	530 U	NA	500 U	210 U	550 U	NA	280 U	NA	NA	98 U	470 U	260 U
bis(2-Chloroethoxy) methane			NA	NA	NA	NA	NA	NA	NA	210 U	550 U	NA	NA	NA	NA	NA	NA	260 U
Bis-(2-chloroethyl) ether			NA	NA	NA	NA	NA	NA	NA	210 U	550 U	NA	NA	NA	NA	NA	NA	260 U
Carbazole			NA	NA	NA	NA	NA	NA	NA	1,000	570	NA	NA	NA	NA	NA	NA	390
Dibenzofuran			160 U	NA	NA	61 U	530 U	NA	500 U	740	550 U	NA	280 U	NA	NA	98 U	470 U	260 U
Hexachlorobenzene			160 U	NA	NA	61 U	530 U	NA	500 U	210 U	550 U	NA	280 U	NA	NA	98 U	470 U	260 U
Hexachlorobutadiene			160 U	NA	NA	61 U	530 U	NA	500 U	210 U	550 U	NA	280 U	NA	NA	98 U	470 U	260 U
Hexachlorocyclopentadiene			NA	NA	NA	NA	NA	NA	NA	1,000 U	2,800 U	NA	NA	NA	NA	NA	NA	1,300 U
Hexachloroethane			160 U	NA	NA	61 U	530 U	NA	500 U	210 U	550 U	NA	280 U	NA	NA	98 U	470 U	260 U
Isophorone			NA	NA	NA	NA	NA	NA	NA	210 U	550 U	NA	NA	NA	NA	NA	NA	260 U
Nitrobenzene			NA	NA	NA	NA	NA	NA	NA	210 U	550 U	NA	NA	NA	NA	NA	NA	260 U
N-Nitroso-di-n-propylamine			NA	NA	NA	NA	NA	NA	NA	1,000 U	2,800 U	NA	NA	NA	NA	NA	NA	1,300 U
N-Nitrosodiphenylamine			160 U	NA	NA	61 U	530 U	NA	500 U	210 U	550 U	NA	280 U	NA	NA	98 U	470 U	260 U
Pentachlorophenol <sup>a</sup>	360	690	810 U	NA	NA	300 U	2,600 U	NA	2,500 U	1,000 U	2,800 U	NA	1,400 U	NA	NA	490 U	2,300 U	1,300 U
Phenol <sup>a</sup>	420	1,200	160 U	NA	NA	61 U	530 U	NA	500 U	220	550 U	NA	280 U	NA	NA	98 U	470 U	260 U

**Table 4-31. Slip 4 Sediment Trap Data Through April 2009**

Sed Trap#	SQS/ LAET	CSL/ 2LAET	SL4-T4	SL4-T5A	SL4-T5A	SL4-T5A	SL4-T5A	SL4-T5A	SL4-T5A	SL4-T5A	SL4-T5A	SL4-T5A	SL4-T5A	SL4-T5	SL4-T5	SL4-T5	SL4-T5	SL4-T5
Boeing MH #			221A	178	178	178	178	178	178	178	178	178	178	363	363	363	363	363
Round			8	1	2	3	4	5a	5b	6	7A	7B	8	1	2	3	4	5a
Date removed			04/06/09	08/11/05	03/15/06	10/06/06	01/08/07	05/14/07	10/29/07	03/18/08	07/30/08	12/03/08	04/06/09	08/11/05	03/15/05	10/11/06	01/08/07	05/14/07
Sampled by			Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing
2,6-Dinitrotoluene			NA	560 U	3,400 U	NA	NA	NA	2,800 UJ	NA	NA	1,200 U	NA	660 U	5,800 U	NA	NA	NA
2-Chloronaphthalene			NA	110 U	680 U	NA	NA	NA	560 UJ	NA	NA	230 U	NA	130 U	1,200 U	NA	NA	NA
2-Chlorophenol			NA	110 U	680 U	NA	NA	NA	560 UJ	NA	NA	230 U	NA	130 U	1,200 U	NA	NA	NA
2-Methylnaphthalene			370 U	110 U	680 U	380 U	170 U	370 U	560 UJ	160 U	290 U	230 U	160 J	130 U	1,200 U	260 U	220 U	420 U
2-Methylphenol <sup>a</sup>			370 U	110 U	680 U	380 U	170 U	370 U	560 UJ	160 U	290 U	230 U	250 U	130 U	1,200 U	260 U	220 U	420 U
2-Nitroaniline			NA	560 U	3,400 U	NA	NA	NA	2,800 UJ	NA	NA	1,200 U	NA	660 U	5,800 U	NA	NA	NA
2-Nitrophenol			NA	560 U	3,400 U	NA	NA	NA	2,800 UJ	NA	NA	1,200 U	NA	660 U	5,800 U	NA	NA	NA
3,3'-Dichlorobenzidine			NA	560 U	3,400 U	NA	NA	NA	2,800 UJ	NA	NA	1,200 U	NA	660 U	5,800 U	NA	NA	NA
3-Nitroaniline			NA	560 U	3,400 U	NA	NA	370 U	2,800 UJ	NA	NA	1,200 U	NA	660 U	5,800 U	NA	NA	420 U
4,6-Dinitro-2-methylphenol			NA	1,100 U	6,800 U	NA	NA	NA	5,600 UJ	NA	NA	2,300 U	NA	1,300 U	12,000 U	NA	NA	NA
4-Bromophenyl-phenylether			NA	110 U	680 U	NA	NA	NA	560 UJ	NA	NA	230 U	NA	130 U	1,200 U	NA	NA	NA
4-Chloro-3-methylphenol			NA	560 U	3,400 U	NA	NA	NA	2,800 UJ	NA	NA	1,200 U	NA	660 U	5,800 U	NA	NA	NA
4-Chloroaniline			NA	560 U	3,400 U	NA	NA	NA	2,800 UJ	NA	NA	1,200 U	NA	660 U	5,800 U	NA	NA	NA
4-Chlorophenyl-phenylether			NA	110 U	680 U	NA	NA	NA	560 UJ	NA	NA	230 U	NA	130 U	1,200 U	NA	NA	NA
4-Methylphenol <sup>a</sup>	670	670	520	410	830	530	2,000	9,400	1,600 J	160 U	310	1,300	12,000	360	1,200 U	590	4,600	8,100
4-Nitroaniline			NA	560 U	3,400 U	NA	NA	NA	2,800 UJ	NA	NA	1,200 U	NA	660 U	5,800 U	NA	NA	NA
4-Nitrophenol			NA	560 U	3,400 U	NA	NA	NA	2,800 UJ	NA	NA	1,200 U	NA	660 U	5,800 U	NA	NA	NA
Benzoic acid <sup>a</sup>	650	650	3,400 J	1,100 U	6,800 U	3,800 U	1,700 U	3,700 U	5,600 UJ	1,600 U	2,900 U	2,300 U	2,500 U	1,300 U	12,000 U	2,600 U	2,200 U	4,200 U
Benzyl alcohol <sup>a</sup>			370 U	110 U	680 U	380 U	170 U	370 U	560 UJ	160 U	290 U	230 U	250 U	130 U	1,200 U	260 U	220 U	420 U
bis(2-Chloroethoxy) methane			NA	110 U	680 U	NA	NA	NA	560 UJ	NA	NA	230 U	NA	130 U	1,200 U	NA	NA	NA
Bis-(2-chloroethyl) ether			NA	110 U	680 U	NA	NA	NA	560 UJ	NA	NA	230 U	NA	130 U	1,200 U	NA	NA	NA
Carbazole			NA	260	1,400	NA	NA	NA	570 J	NA	NA	1,100	NA	310	1,200 U	NA	NA	NA
Dibenzofuran			370 U	110 U	680 U	380 U	170 U	370 U	560 UJ	160 U	290 U	230 U	200 J	130 U	1,200 U	260 U	220 U	420 U
Hexachlorobenzene			370 U	110 U	680 U	380 U	170 U	370 U	560 UJ	160 U	290 U	230 U	250 U	130 U	1,200 U	260 U	220 U	420 U
Hexachlorobutadiene			370 U	110 U	680 U	380 U	170 U	370 U	560 UJ	160 U	290 U	230 U	250 U	130 U	1,200 U	260 U	220 U	420 U
Hexachlorocyclopentadiene			NA	560 U	3,400 U	NA	NA	NA	2,800 UJ	NA	NA	1,200 U	NA	660 U	5,800 U	NA	NA	NA
Hexachloroethane			370 U	110 U	680 U	380 U	170 U	370 U	560 UJ	160 U	290 U	230 U	250 U	130 U	1,200 U	260 U	220 U	420 U
Isophorone			NA	110 U	680 U	NA	NA	NA	560 UJ	NA	NA	230 U	NA	130 U	1,200 U	NA	NA	NA
Nitrobenzene			NA	110 U	680 U	NA	NA	NA	560 UJ	NA	NA	230 U	NA	130 U	1,200 U	NA	NA	NA
N-Nitroso-di-n-propylamine			NA	560 U	3,400 U	NA	NA	NA	2,800 UJ	NA	NA	1,200 U	NA	660 U	5,800 U	NA	NA	NA
N-Nitrosodiphenylamine			370 U	110 U	680 U	380 U	170 U	370 U	560 UJ	160 U	290 U	230 U	250 U	130 U	1,200 U	260 U	220 U	420 U
Pentachlorophenol <sup>a</sup>	360	690	1,900 U	560 U	3,400 U	1,900 U	840 U	1,800 U	2,800 UJ	820 U	1,400 U	1,200 U	1,300 U	660 U	5,800 U	1,300 U	1,100 U	2,100 U
Phenol <sup>a</sup>	420	1,200	390	110 U	680 U	380 U	180	1,100	560 UJ	160 U	290 U	230 U	640	130 U	1,200 U	300	330	860

a. SMS based on dry weight concentration.  
b. MTCA Method A soil cleanup level for unrestricted use.  
J = Concentration is less than the reporting limit.  
M = Estimated value due to low spectral match parameters. Che  
P = High RPD on dual column analysis without obvious interferer  
U = Chemical not detected at concentration shown  
Y = Chemical not detected at concentration shown. Reporting lir

**Table 4-31. Slip 4 Sediment Trap Data Through April 2009**

Sed Trap#	SQS/ LAET	CSL/ 2LAET	SL4-T5	SL4-T5	SL4-T5	SL4-T5	SL4-T5	SL4-T6	SL4-T6	SL4-T6	SL4-T6	SL4-T6	SL4-T6	SL4-T6
Boeing MH #			363	363	363	363	363	NA	NA	NA	NA	NA	NA	NA
Round			5b	6	7A	7B	8	1	2	3	4	5	6	7
Date removed			10/29/07	03/18/08	07/30/08	12/03/08	04/06/09	08/11/05	03/16/06	10/06/06	01/09/07	05/17/07	03/18/08	08/05/08
Sampled by			Boeing	Boeing	Boeing	Boeing	Boeing	SPU	SPU	SPU	SPU	SPU	SPU	SPU
2,6-Dinitrotoluene			600 UJ	NA	NA	1,200 U	NA	390 U	1,000 U	850 U	220 U	NA	1,300 U	510 U
2-Chloronaphthalene			120 UJ	NA	NA	230 U	NA	79 U	210 U	170 U	45 U	NA	260 U	100 U
2-Chlorophenol			120 UJ	NA	NA	230 U	NA	79 U	210 U	170 U	45 U	NA	260 U	100 U
2-Methylnaphthalene			120 UJ	650	270 U	230 U	<b>270 J</b>	<b>88</b>	210 U	<b>440</b>	45 U	NA	<b>250 J</b>	100 U
2-Methylphenol <sup>a</sup>			120 UJ	450 U	270 U	230 U	470 U	79 U	210 U	170 U	45 U	NA	260 U	100 U
2-Nitroaniline			600 UJ	NA	NA	1,200 U	NA	390 U	1,000 U	850 U	220 U	NA	1,300 U	510 U
2-Nitrophenol			600 UJ	NA	NA	1,200 U	NA	390 U	1,000 U	850 U	220 U	NA	1,300 U	510 U
3,3'-Dichlorobenzidine			600 UJ	NA	NA	1,200 U	NA	390 U	1,000 R	850 U	220 U	NA	1,300 U	510 U
3-Nitroaniline			600 UJ	NA	NA	1,200 U	NA	390 U	1,000 U	850 U	220 U	NA	1,300 U	510 U
4,6-Dinitro-2-methylphenol			1,200 UJ	NA	NA	2,300 U	NA	790 U	2,100 U	1,700 U	450 U	NA	2,600 U	1,000 U
4-Bromophenyl-phenylether			120 UJ	NA	NA	230 U	NA	79 U	210 U	170 U	45 U	NA	260 U	100 U
4-Chloro-3-methylphenol			600 UJ	NA	NA	1,200 U	NA	390 U	1,000 U	850 U	220 U	NA	1,300 U	510 U
4-Chloroaniline			600 UJ	NA	NA	1,200 U	NA	390 U	1,000 R	850 U	220 U	NA	1,300 U	510 U
4-Chlorophenyl-phenylether			120 UJ	NA	NA	230 U	NA	79 U	210 U	170 U	45 U	NA	260 U	100 U
4-Methylphenol <sup>a</sup>	670	670	<b>280 J</b>	<b>760</b>	<b>2,400</b>	<b>340</b>	<b>11,000</b>	<b>170</b>	<b>770</b>	<b>940</b>	<b>810</b>	NA	260 U	<b>130</b>
4-Nitroaniline			600 UJ	NA	NA	1,200 U	NA	390 U	1,000 U	850 U	220 U	NA	1,300 U	510 U
4-Nitrophenol			600 UJ	NA	NA	1,200 U	NA	390 U	1,000 U	850 U	220 U	NA	1,300 U	510 U
Benzoic acid <sup>a</sup>	650	650	1,200 UJ	4,500 U	2,700 U	2,300 U	<b>3,500 J</b>	790 U	2,100 U	1,700 U	450 U	NA	2,600 U	1,000 U
Benzyl alcohol <sup>a</sup>			120 UJ	450 U	270 U	230 U	470 U	<b>130</b>	210 U	170 U	45 U	NA	260 U	100 U
bis(2-Chloroethoxy) methane			120 UJ	NA	NA	230 U	NA	79 U	210 U	170 U	45 U	NA	260 U	100 U
Bis-(2-chloroethyl) ether			120 UJ	NA	NA	230 U	NA	79 U	210 U	170 U	45 U	NA	260 U	100 U
Carbazole			<b>180 J</b>	NA	NA	<b>410</b>	NA	<b>81</b>	<b>140 J</b>	<b>150 J</b>	<b>78</b>	NA	<b>350</b>	<b>160</b>
Dibenzofuran			120 UJ	600	270 U	230 U	470 U	79 U	210 U	170 U	45 U	NA	<b>300</b>	100 U
Hexachlorobenzene			120 UJ	450 U	270 U	230 U	470 U	79 U	210 U	170 U	45 U	NA	260 U	100 U
Hexachlorobutadiene			120 UJ	450 U	270 U	230 U	470 U	79 U	210 U	170 U	45 U	NA	260 U	100 U
Hexachlorocyclopentadiene			600 UJ	NA	NA	1,200 U	NA	390 U	1,000 U	850 U	220 U	NA	1,300 U	510 U
Hexachloroethane			120 UJ	450 U	270 U	230 U	470 U	79 U	210 U	170 U	45 U	NA	260 U	100 U
Isophorone			120 UJ	NA	NA	230 U	NA	79 U	210 U	170 U	45 U	NA	260 U	100 U
Nitrobenzene			120 UJ	NA	NA	230 U	NA	79 U	210 U	170 U	45 U	NA	260 U	100 U
N-Nitroso-di-n-propylamine			600 UJ	NA	NA	1,200 U	NA	390 U	1,000 U	850 U	220 U	NA	1,300 U	510 U
N-Nitrosodiphenylamine			120 UJ	450 U	270 U	230 U	470 U	79 U	210 U	170 U	45 U	NA	260 U	100 U
Pentachlorophenol <sup>a</sup>	360	690	600 UJ	2,200 U	1,400 U	1,200 U	2,400 U	390 U	1,000 U	850 U	220 U	NA	1,300 U	510 U
Phenol <sup>a</sup>	420	1,200	120 UJ	450 U	270 U	230 U	<b>1,900</b>	79 U	210 U	<b>400 B</b>	<b>100</b>	NA	260 U	100 U

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mit raised due to background interference.

**Table 4-32  
Total PCBs in Storm Drain Solids**

Sample Location	Drainage Area	Date	Total PCB Conc'n	Units	Source
CB1	North Lateral	11/17/2006	0.57	mg/kg	Landau Database
CB102	NBF SD	4/24/2000	0.691	mg/kg	Landau Database
CB102	NBF SD	8/12/1998	1.1	mg/kg	Landau Database
CB104	Downstream of Lift Station	11/18/2008	0.098	U mg/kg	Document 2348
CB106	Downstream of Lift Station	11/18/2008	0.044	mg/kg	Document 2348
CB106	Downstream of Lift Station	8/14/2000	3.7	mg/kg	Landau Database
CB106	Downstream of Lift Station	8/12/1998	0.36	mg/kg	Landau Database
CB107	Unknown	8/18/1992	0.5	U mg/kg	Landau Database
CB107A	Downstream of Lift Station	12/30/2008	0.058	mg/kg	Document 2499
CB107A	Downstream of Lift Station	8/18/1998	0.289	mg/kg	Landau Database
CB113	North Lateral	3/13/2007	8	mg/kg	Landau Database
CB113	North Lateral	7/25/2006	15	U mg/kg	Landau Database
CB113	North Lateral	9/26/2005	28	mg/kg	Landau Database
CB113	North Lateral	7/7/2000	31.654	mg/kg	Landau Database
CB114	North Lateral	9/26/2005	0.87	mg/kg	Landau Database
CB114	North Lateral	5/1/2000	0.517	mg/kg	Landau Database
CB114	North Lateral	8/11/1998	0.53	mg/kg	Landau Database
CB114	North Lateral	7/15/1992	1.62	mg/kg	Landau Database
CB120A	Unknown	5/1/2000	1.778	mg/kg	Landau Database
CB120B	Unknown	8/11/1998	0.158	mg/kg	Landau Database
CB126	Unknown	5/1/2000	0.612	mg/kg	Landau Database
CB126	Unknown	8/11/1998	0.44	mg/kg	Landau Database
CB126	Unknown	9/19/1997	0.14	mg/kg	Landau Database
CB1303	Unknown	4/12/2000	1.69	mg/kg	Landau Database
CB1307	Unknown	4/11/2000	1.448	mg/kg	Landau Database
CB1308	Unknown	6/3/2000	1.507	mg/kg	Landau Database
CB1308	Unknown	4/12/2000	1.479	mg/kg	Landau Database
CB131	Unknown	8/16/2000	5.7	mg/kg	Landau Database
CB131	Unknown	8/10/1998	12.5	mg/kg	Landau Database
CB1313	Unknown	6/4/2000	0.562	mg/kg	Landau Database
CB133B	Unknown	7/7/2000	1.689	mg/kg	Landau Database
CB134	Unknown	8/22/2000	4.7	mg/kg	Landau Database
CB135	Unknown	8/10/1998	2.13	mg/kg	Landau Database
CB136	Unknown	8/16/2000	0.94	mg/kg	Landau Database
CB137A	Unknown	8/16/2000	1.7	mg/kg	Landau Database
CB141	Unknown	8/16/2000	2.6	mg/kg	Landau Database
CB142B	Unknown	8/16/2000	2.7	mg/kg	Landau Database
CB149	Unknown	6/29/2000	3.81	mg/kg	Landau Database
CB149	Unknown	8/10/1998	1.46	mg/kg	Landau Database
CB149	Unknown	9/23/1997	0.43	mg/kg	Landau Database
CB152	Unknown	8/10/1998	1.64	mg/kg	Landau Database
CB152	Unknown	8/10/1998	1.77	mg/kg	Landau Database
CB154	North Lateral	5/15/2007	0.7	mg/kg	Landau Database
CB154A	North Lateral	5/14/2007	0.43	mg/kg	Landau Database
CB165	North Lateral	11/18/2008	0.71	mg/kg	Document 2348
CB165	North Lateral	3/13/2007	5.7	mg/kg	Landau Database
CB167	North Lateral	11/18/2008	0.81	mg/kg	Document 2348
CB167	North Lateral	3/13/2007	11.8	mg/kg	Landau Database
CB173	North Lateral	3/13/2007	94	mg/kg	Landau Database

**Table 4-32  
Total PCBs in Storm Drain Solids**

Sample Location	Drainage Area	Date	Total PCB Conc'n	Units	Source
CB173	North Lateral	12/8/2006	43.2	mg/kg	Landau Database
CB173	North Lateral	6/22/2006	26	mg/kg	Landau Database
CB173	North Lateral	5/30/2006	122	mg/kg	Landau Database
CB173	North Lateral	4/26/2006	29	mg/kg	Landau Database
CB173	North Lateral	3/21/2006	110	mg/kg	Landau Database
CB173	North Lateral	10/24/2005	247	mg/kg	Landau Database
CB173	North Lateral	10/24/2005	400	mg/kg	Landau Database
CB173	North Lateral	9/26/2005	1310	mg/kg	Landau Database
CB173	North Lateral	9/22/1997	33	mg/kg	Landau Database
CB174	North Lateral	3/13/2007	7.2	mg/kg	Landau Database
CB174	North Lateral	12/8/2006	9	mg/kg	Landau Database
CB174	North Lateral	10/24/2005	13.7	mg/kg	Landau Database
CB174A	North Lateral	3/13/2007	0.72	mg/kg	Landau Database
CB174A	North Lateral	10/24/2005	7.2	mg/kg	Landau Database
CB175	North Lateral	4/26/2006	3.2	mg/kg	Landau Database
CB175	North Lateral	10/24/2005	2.88	mg/kg	Landau Database
CB180	Unknown	10/18/1996	5.8	mg/kg	Landau Database
CB180	Unknown	7/16/1992	1.7	mg/kg	Landau Database
CB181B	North Lateral	3/13/2007	41.3	mg/kg	Landau Database
CB181B	North Lateral	12/8/2006	17	mg/kg	Landau Database
CB182	North Lateral	12/8/2006	9.2	mg/kg	Landau Database
CB182	North Lateral	4/26/2006	6.1	mg/kg	Landau Database
CB182	North Lateral	3/21/2006	14	mg/kg	Landau Database
CB182	North Lateral	8/7/1998	3.37	mg/kg	Landau Database
CB182	North Lateral	10/18/1996	18	mg/kg	Landau Database
CB182	North Lateral	7/16/1992	19	mg/kg	Landau Database
CB184	North Lateral	11/18/2008	2.2	mg/kg	Document 2348
CB184	North Lateral	3/13/2007	320	mg/kg	Landau Database
CB185	North Lateral	3/13/2007	8.4	mg/kg	Landau Database
CB185	North Lateral	12/8/2006	11	mg/kg	Landau Database
CB185	North Lateral	7/25/2006	2	mg/kg	Landau Database
CB185	North Lateral	4/26/2006	11	mg/kg	Landau Database
CB185	North Lateral	3/21/2006	5.5	mg/kg	Landau Database
CB185	North Lateral	8/7/1998	7.9	mg/kg	Landau Database
CB185	North Lateral	7/16/1992	220	mg/kg	Landau Database
CB185	North Lateral	7/16/1992	220	mg/kg	Landau Database
CB188	North Lateral	11/17/2006	0.39	mg/kg	Landau Database
CB188	North Lateral	7/17/1992	3.7	mg/kg	Landau Database
CB189	Unknown	6/29/2000	3.34	mg/kg	Landau Database
CB189	Unknown	6/29/2000	3.527	mg/kg	Landau Database
CB189	Unknown	8/7/1998	1.64	mg/kg	Landau Database
CB191	Unknown	8/7/1998	8.3	mg/kg	Landau Database
CB193	North Lateral	3/13/2007	79	mg/kg	Landau Database
CB193	North Lateral	12/8/2006	1.2	mg/kg	Landau Database
CB193	North Lateral	7/25/2006	12	mg/kg	Landau Database
CB193	North Lateral	10/27/2005	16.5	mg/kg	Landau Database
CB193	North Lateral	6/29/2000	12.274	mg/kg	Landau Database
CB194	North Lateral	3/13/2007	9.3	mg/kg	Landau Database
CB194	North Lateral	12/8/2006	28.1	mg/kg	Landau Database

**Table 4-32  
Total PCBs in Storm Drain Solids**

Sample Location	Drainage Area	Date	Total PCB Conc'n	Units	Source
CB194	North Lateral	7/25/2006	20.3	mg/kg	Landau Database
CB194	North Lateral	10/24/2005	14.1	mg/kg	Landau Database
CB197		8/7/1998	0.097	U mg/kg	Landau Database
CB197		9/22/1997	0.05	U mg/kg	Landau Database
CB197		10/18/1996	0.06	U mg/kg	Landau Database
CB197		7/17/1992	0.32	U mg/kg	Landau Database
CB200		8/10/1998	0.063	mg/kg	Landau Database
CB201		8/10/1998	1.401	mg/kg	Landau Database
CB201		9/22/1997	7.1	mg/kg	Landau Database
CB201		10/18/1996	0.81	mg/kg	Landau Database
CB209B	North Lateral	9/26/2005	0.066	mg/kg	Landau Database
CB209B	North Lateral	5/4/2000	0.183	mg/kg	Landau Database
CB221	North-Central Lateral	12/30/2008	1.3	mg/kg	Document 2499
CB221	North-Central Lateral	8/11/1998	4.1	mg/kg	Landau Database
CB222	North-Central Lateral	12/30/2008	2.02	mg/kg	Document 2499
CB224	North-Central Lateral	12/30/2008	4.6	mg/kg	Document 2499
CB224	North-Central Lateral	9/22/2008	4.3	mg/kg	Document 2109
CB224	North-Central Lateral	3/13/2007	26.2	mg/kg	Landau Database
CB224	North-Central Lateral	7/25/2006	14.6	mg/kg	Landau Database
CB224	North-Central Lateral	5/13/2005	43	mg/kg	Landau Database
CB224	North-Central Lateral	5/1/2000	48.96	mg/kg	Landau Database
CB224	North-Central Lateral	8/18/1998	145	mg/kg	Landau Database
CB225	North-Central Lateral	12/30/2008	1.99	mg/kg	Document 2499
CB225	North-Central Lateral	9/22/2008	1.85	mg/kg	Document 2109
CB225	North-Central Lateral	3/13/2007	12	mg/kg	Landau Database
CB225	North-Central Lateral	12/8/2006	13.8	mg/kg	Landau Database
CB225	North-Central Lateral	7/25/2006	27.9	mg/kg	Landau Database
CB225	North-Central Lateral	7/7/2000	13.3	mg/kg	Landau Database
CB225	North-Central Lateral	8/18/1998	82	mg/kg	Landau Database
CB227	North-Central Lateral	3/14/2007	2.57	mg/kg	Landau Database
CB227	North-Central Lateral	7/25/2006	7.5	mg/kg	Landau Database
CB228F	North-Central Lateral	9/22/2008	22	mg/kg	Document 2109
CB228F	North-Central Lateral	3/14/2007	50	mg/kg	Landau Database
CB228F	North-Central Lateral	7/26/2006	3.5	U mg/kg	Landau Database
CB228F	North-Central Lateral	5/13/2005	22	mg/kg	Landau Database
CB228F	North-Central Lateral	6/20/2000	160.819	mg/kg	Landau Database
CB229A	North-Central Lateral	4/10/2007	0.1	mg/kg	Landau Database
CB229A	North-Central Lateral	5/4/2000	1.809	mg/kg	Landau Database
CB229A	North-Central Lateral	8/6/1998	0.51	mg/kg	Landau Database
CB229A	North-Central Lateral	10/18/1996	2.6	mg/kg	Landau Database
CB231		5/4/2000	11.595	mg/kg	Landau Database
CB231		9/30/1997	8.1	mg/kg	Landau Database
CB236		8/6/1998	2.18	mg/kg	Landau Database
CB236		9/17/1997	0.73	mg/kg	Landau Database
CB244		8/6/1998	1.25	mg/kg	Landau Database
CB246		8/16/2000	0.54	mg/kg	Landau Database
CB250		6/4/2000	1.375	mg/kg	Landau Database
CB251		7/7/2000	1.38	mg/kg	Landau Database
CB252		7/7/2000	11.41	mg/kg	Landau Database

**Table 4-32  
Total PCBs in Storm Drain Solids**

Sample Location	Drainage Area	Date	Total PCB Conc'n	Units	Source
CB252		8/14/1998	23	mg/kg	Landau Database
CB253		7/7/2000	32.46	mg/kg	Landau Database
CB254		7/7/2000	3.46	mg/kg	Landau Database
CB255		7/7/2000	2.715	mg/kg	Landau Database
CB256		7/7/2000	9.464	mg/kg	Landau Database
CB257		6/20/2000	4.405	mg/kg	Landau Database
CB259		7/10/2000	2.94	mg/kg	Landau Database
CB260		7/10/2000	4.79	mg/kg	Landau Database
CB261		7/19/2000	18.5	mg/kg	Landau Database
CB266A		8/10/2000	0.17	mg/kg	Landau Database
CB266B		8/14/1998	0.13	mg/kg	Landau Database
CB291		5/20/2000	2.06	U mg/kg	Landau Database
CB308		4/11/2000	1.555	mg/kg	Landau Database
CB308B		5/20/2000	0.243	mg/kg	Landau Database
CB310B		4/12/2000	2.366	mg/kg	Landau Database
CB310D		4/12/2000	1.053	mg/kg	Landau Database
CB310G		4/11/2000	3.856	mg/kg	Landau Database
CB359	South-Central Lateral	12/30/2008	0.67	mg/kg	Document 2499
CB363	North Lateral	3/14/2007	230	mg/kg	Landau Database
CB363	North Lateral	12/8/2006	106.8	mg/kg	Landau Database
CB363	North Lateral	5/1/2000	4.711	mg/kg	Landau Database
CB363	North Lateral	9/17/1997	17	mg/kg	Landau Database
CB364A	North-Central Lateral	12/30/2008	2.8	mg/kg	Document 2499
CB364A	North-Central Lateral	3/14/2007	5.4	mg/kg	Landau Database
CB364A	North-Central Lateral	7/26/2006	5.5	mg/kg	Landau Database
CB364A	North-Central Lateral	5/13/2005	11	mg/kg	Landau Database
CB364A	North-Central Lateral	8/14/2000	70	mg/kg	Landau Database
CB370	South-Central Lateral	3/14/2007	6	mg/kg	Landau Database
CB370	South-Central Lateral	7/26/2006	28	mg/kg	Landau Database
CB370	South-Central Lateral	6/3/2000	40.15	mg/kg	Landau Database
CB370	South-Central Lateral	8/13/1998	158	mg/kg	Landau Database
CB372	North-Central Lateral	9/22/2008	2.6	mg/kg	Document 2109
CB372	North-Central Lateral	3/14/2007	6.2	mg/kg	Landau Database
CB372	North-Central Lateral	7/26/2006	32.8	mg/kg	Landau Database
CB372	North-Central Lateral	6/20/2000	45.496	mg/kg	Landau Database
CB372A	North-Central Lateral	9/22/2008	3.9	mg/kg	Document 2109
CB372A	North-Central Lateral	3/14/2007	33.1	mg/kg	Landau Database
CB372A	North-Central Lateral	5/13/2005	8.8	mg/kg	Landau Database
CB372A	North-Central Lateral	6/20/2000	50.56	mg/kg	Landau Database
CB373		6/3/2000	0.37	U mg/kg	Landau Database
CB373		9/26/1997	19	mg/kg	Landau Database
CB374		8/14/2000	26	mg/kg	Landau Database
CB384	South Lateral	3/14/2007	19.3	mg/kg	Landau Database
CB384	South Lateral	5/13/2005	16	mg/kg	Landau Database
CB384	South Lateral	8/14/2000	130	mg/kg	Landau Database
CB384B	South Lateral	9/23/2008	3.6	mg/kg	Document 2109
CB387		8/14/2000	27	mg/kg	Landau Database
CB405		8/14/2000	2.8	mg/kg	Landau Database
CB405A		8/14/2000	1.1	mg/kg	Landau Database



**Table 4-32  
Total PCBs in Storm Drain Solids**

Sample Location	Drainage Area	Date	Total PCB Conc'n	Units	Source
CB405B		8/14/2000	1.7	mg/kg	Landau Database
CB406		8/10/2000	10	mg/kg	Landau Database
CB407		8/10/2000	2.7	mg/kg	Landau Database
CB408		8/10/2000	13	mg/kg	Landau Database
CB412		8/10/2000	11	mg/kg	Landau Database
CB415	North-Central Lateral	9/22/2008	8.2	mg/kg	Document 2109
CB416	North-Central Lateral	3/14/2007	3.7	mg/kg	Landau Database
CB416	North-Central Lateral	7/26/2006	14.6	mg/kg	Landau Database
CB416	North-Central Lateral	6/6/2005	16	mg/kg	Landau Database
CB416	North-Central Lateral	5/13/2005	50	mg/kg	Landau Database
CB416	North-Central Lateral	7/19/2000	42.302	mg/kg	Landau Database
CB418	North-Central Lateral	3/14/2007	2.81	mg/kg	Landau Database
CB418	North-Central Lateral	6/6/2005	4	mg/kg	Landau Database
CB418	North-Central Lateral	7/19/2000	22.82	mg/kg	Landau Database
CB419	North-Central Lateral	3/14/2007	3.36	mg/kg	Landau Database
CB419	North-Central Lateral	7/26/2006	6.2	mg/kg	Landau Database
CB419	North-Central Lateral	6/6/2005	22	mg/kg	Landau Database
CB419	North-Central Lateral	7/19/2000	17.12	mg/kg	Landau Database
CB420	North-Central Lateral	3/14/2007	3.7	mg/kg	Landau Database
CB420	North-Central Lateral	7/26/2006	8.4	mg/kg	Landau Database
CB420	North-Central Lateral	5/13/2005	30	mg/kg	Landau Database
CB423A	Downstream of Lift Station	12/30/2008	0.25	mg/kg	Document 2499
CB423A	Downstream of Lift Station	11/18/2008	0.2	mg/kg	Document 2348
CB427	Downstream of Lift Station	11/18/2008	0.27	mg/kg	Document 2348
CB427	Downstream of Lift Station	11/18/2008	0.31	mg/kg	Document 2348
CB429	Downstream of Lift Station	11/18/2008	0.26	mg/kg	Document 2348
CB435		4/24/2000	1.148	mg/kg	Landau Database
CB436		4/24/2000	0.722	mg/kg	Landau Database
CB448		4/11/2000	7.244	mg/kg	Landau Database
CB451		4/11/2000	1.035	mg/kg	Landau Database
CB453		4/11/2000	16.715	mg/kg	Landau Database
CB453		8/13/1998	1.64	mg/kg	Landau Database
CB456		4/11/2000	7.718	mg/kg	Landau Database
CB458		4/11/2000	4.914	mg/kg	Landau Database
CB462		7/10/2000	1.03	mg/kg	Landau Database
CB463	South-Central Lateral	4/10/2007	5.5	mg/kg	Landau Database
CB463	South-Central Lateral	6/4/2000	1.624	mg/kg	Landau Database
CB471		8/10/2000	15.648	mg/kg	Landau Database
CB472	South-Central Lateral	4/10/2007	0.184	mg/kg	Landau Database
CB472	South-Central Lateral	7/10/2000	1.015	mg/kg	Landau Database
CB472	South-Central Lateral	8/14/1998	1.5	mg/kg	Landau Database
CB472	South-Central Lateral	9/25/1997	6.9	mg/kg	Landau Database
CB472	South-Central Lateral	3/6/1997	3.8	mg/kg	Landau Database
CB473	South-Central Lateral	4/10/2007	1.3	mg/kg	Landau Database
CB473	South-Central Lateral	6/4/2000	4.329	mg/kg	Landau Database
CB473	South-Central Lateral	8/14/1998	9.2	mg/kg	Landau Database
CB473	South-Central Lateral	3/6/1997	6.1	mg/kg	Landau Database
CB474		7/10/2000	36.54	mg/kg	Landau Database
CB475		7/10/2000	3.88	mg/kg	Landau Database

**Table 4-32  
Total PCBs in Storm Drain Solids**

Sample Location	Drainage Area	Date	Total PCB Conc'n	Units	Source
CB476		7/10/2000	4.92	mg/kg	Landau Database
CB483		7/10/2000	2.46	mg/kg	Landau Database
CB484		7/10/2000	0.83	mg/kg	Landau Database
CB485		6/4/2000	0.904	mg/kg	Landau Database
CB486		7/10/2000	1.92	mg/kg	Landau Database
CB487		7/10/2000	3.42	mg/kg	Landau Database
CB488		7/10/2000	3.048	mg/kg	Landau Database
CB488		8/14/1998	3	mg/kg	Landau Database
CB489		6/4/2000	1.072	mg/kg	Landau Database
CB490		7/10/2000	9.033	mg/kg	Landau Database
CB491		7/10/2000	1.012	mg/kg	Landau Database
CB502		7/11/2000	5.373	mg/kg	Landau Database
CB503		7/11/2000	2.355	mg/kg	Landau Database
CB509		4/11/2000	3.585	mg/kg	Landau Database
CB509		8/17/1998	1.2	mg/kg	Landau Database
CB528		4/24/2000	0.195	mg/kg	Landau Database
CB535		4/24/2000	0.758	mg/kg	Landau Database
CB541		4/12/2000	0.343	mg/kg	Landau Database
CB542		4/24/2000	0.92	mg/kg	Landau Database
CB542		8/18/1998	1.36	mg/kg	Landau Database
CB543		7/19/2000	3.49	mg/kg	Landau Database
CB544		7/19/2000	0.39	mg/kg	Landau Database
CB546		7/19/2000	0.46	mg/kg	Landau Database
CB547		7/11/2000	0.705	mg/kg	Landau Database
CB551		7/11/2000	0.491	mg/kg	Landau Database
CB565		5/21/2000	0.05	mg/kg	Landau Database
CB565		8/18/1998	0.131	mg/kg	Landau Database
CB583		7/26/2006	3.3	mg/kg	Landau Database
CB584		7/26/2006	9.3	mg/kg	Landau Database
CB584		5/21/2000	212.541	mg/kg	Landau Database
CB584		8/18/1998	31	mg/kg	Landau Database
CB584		8/18/1998	36	mg/kg	Landau Database
CB584		9/26/1997	51	mg/kg	Landau Database
CB585		7/26/2006	0.56	mg/kg	Landau Database
CB595		8/18/1998	0.51	U mg/kg	Landau Database
CB602		5/21/2000	0.335	mg/kg	Landau Database
CB604		5/21/2000	0.42	mg/kg	Landau Database
CB611		8/7/1998	0.25	mg/kg	Landau Database
CB615		8/10/1998	0.72	mg/kg	Landau Database
CB615		9/22/1997	1.6	mg/kg	Landau Database
CB625	North Lateral	5/14/2007	0.25	mg/kg	Landau Database
CB625A	North Lateral	5/14/2007	0.39	mg/kg	Landau Database
CB625B	North Lateral	5/14/2007	0.92	mg/kg	Landau Database
CB626	North Lateral	5/14/2007	0.105	mg/kg	Landau Database
CB627		5/1/2000	1.423	mg/kg	Landau Database
CB627		8/10/1998	0.51	mg/kg	Landau Database
CB636		4/11/2000	1.796	mg/kg	Landau Database
CB638		4/18/2000	1.51	mg/kg	Landau Database
CB646		9/25/1997	0.11	mg/kg	Landau Database

**Table 4-32  
Total PCBs in Storm Drain Solids**

Sample Location	Drainage Area	Date	Total PCB Conc'n	Units	Source
CD153B		8/10/1998	0.23	mg/kg	Landau Database
CD434A		8/12/1998	4.4	mg/kg	Landau Database
CD435A		8/12/1998	4.9	mg/kg	Landau Database
CD578		8/18/1998	0.85	mg/kg	Landau Database
CD581		8/18/1998	0.6	mg/kg	Landau Database
D-63		8/23/1984	0.3	mg/kg	Document 1183
D-64		8/23/1984	0.4	mg/kg	Document 1183
Flume		7/17/1992	13.5	mg/kg	Landau Database
Flume		7/15/1992	0.29	mg/kg	Landau Database
Flume		8/28/1984	600	mg/kg	Landau Database
Flume		5/14/1984	520	mg/kg	Landau Database
Flume		8/12/1982	12.8	mg/kg	Landau Database
Flume 578		5/21/2000	0.42	mg/kg	Landau Database
Flume 581		5/21/2000	0.97	mg/kg	Landau Database
FLUME1		9/23/2008	9.5	mg/kg	Document 2109
FLUME2		9/23/2008	4.1	mg/kg	Document 2109
IN308A		4/11/2000	0.302	mg/kg	Landau Database
IN388		8/14/2000	14	mg/kg	Landau Database
IN437		5/20/2000	7.46	mg/kg	Landau Database
IN437		8/12/1998	1.45	mg/kg	Landau Database
LS431		7/16/1992	1.85	mg/kg	Landau Database
LS527		8/17/1998	0.54	mg/kg	Landau Database
MH100	D1	2/16/2005	1.98	mg/kg	Document 3260
MH100	D1	5/26/2000	7.013	mg/kg	Landau Database
MH100	D1	9/17/1997	3.9	mg/kg	Landau Database
MH101		4/24/2000	104.51	mg/kg	Landau Database
MH101		8/12/1998	32.4	mg/kg	Landau Database
MH101		9/17/1997	25	mg/kg	Landau Database
MH101		8/18/1992	58	mg/kg	Landau Database
MH101		7/16/1992	95	mg/kg	Landau Database
MH101		10/14/1985	18.8	mg/kg	Landau Database
MH101		6/1/1985	160	mg/kg	Landau Database
MH105		4/24/2000	10.288	mg/kg	Landau Database
MH105		8/12/1998	10.4	mg/kg	Landau Database
MH105		1/9/1997	3.3	mg/kg	Landau Database
MH108	North Lateral	7/25/2006	6.6	mg/kg	Landau Database
MH108	North Lateral	8/18/1992	426	mg/kg	Landau Database
MH108A	North Lateral	5/1/2000	5.057	mg/kg	Landau Database
MH108A	North Lateral	8/11/1998	1.7	mg/kg	Landau Database
MH108A	North Lateral	9/19/1997	13	mg/kg	Landau Database
MH108A	North Lateral	10/3/1996	7.1	mg/kg	Landau Database
MH121A		4/10/2007	0.82	mg/kg	Landau Database
MH130	North Lateral	3/13/2007	57	mg/kg	Landau Database
MH130	North Lateral	9/26/2005	2.3	mg/kg	Landau Database
MH130	North Lateral	9/19/1997	11	mg/kg	Landau Database
MH1302		4/11/2000	0.23	U mg/kg	Landau Database
MH131		9/19/1997	7	mg/kg	Landau Database
MH131A		8/17/1998	0.36	mg/kg	Landau Database
MH1320		4/11/2000	0.329	mg/kg	Landau Database

**Table 4-32  
Total PCBs in Storm Drain Solids**

Sample Location	Drainage Area	Date	Total PCB Conc'n	Units	Source
MH132A		8/10/1998	22.4	mg/kg	Landau Database
MH132A		8/10/1998	25.1	mg/kg	Landau Database
MH133D	North Lateral	9/26/2005	0.111	mg/kg	Landau Database
MH133X		7/7/2000	0.93	mg/kg	Landau Database
MH146		9/22/1997	3	mg/kg	Landau Database
MH149		10/18/1996	2.48	mg/kg	Landau Database
MH152		9/22/1997	27	mg/kg	Landau Database
MH158		8/10/1998	1.295	mg/kg	Landau Database
MH158		9/22/1997	11	mg/kg	Landau Database
MH163		8/10/1998	2.17	mg/kg	Landau Database
MH163		7/16/1992	6.9	mg/kg	Landau Database
MH172	North Lateral	5/4/2000	0.462	mg/kg	Landau Database
MH172	North Lateral	8/7/1998	0.212	mg/kg	Landau Database
MH172	North Lateral	9/22/1997	0.05	U mg/kg	Landau Database
MH172	North Lateral	7/17/1992	191	mg/kg	Landau Database
MH172	North Lateral	10/14/1985	905	mg/kg	Landau Database
MH172	North Lateral	6/1/1985	99	mg/kg	Landau Database
MH173	North Lateral	8/7/1998	49.4	mg/kg	Landau Database
MH173	North Lateral	7/17/1992	12.8	mg/kg	Landau Database
MH173	North Lateral	6/1/1985	0.86	mg/kg	Landau Database
MH178 (T5A)	North Lateral	12/3/2008	0.31	mg/kg	Document 3260
MH178 (T5A)	North Lateral	7/30/2008	0.208	mg/kg	Document 3400
MH178 (T5A)	North Lateral	3/18/2008	0.121	mg/kg	Document 3400
MH178 (T5A)	North Lateral	10/29/2007	0.67	mg/kg	Document 3400
MH178 (T5A)	North Lateral	5/14/2007	0.39	mg/kg	Document 3400
MH178 (T5A)	North Lateral	1/8/2007	0.086	mg/kg	Document 3400
MH178 (T5A)	North Lateral	10/11/2006	0.6	mg/kg	Document 3400
MH178 (T5A)	North Lateral	3/16/2006	0.65	mg/kg	Document 3400
MH178 (T5A)	North Lateral	8/11/2005	0.106	mg/kg	Document 3400
MH178 (T5A)	North Lateral	10/3/1996	0.05	U mg/kg	Landau Database
MH178 (T5A)	North Lateral	7/16/1992	0.18	mg/kg	Landau Database
MH179	North Lateral	3/13/2007	0.7	mg/kg	Landau Database
MH179	North Lateral	7/25/2006	47	mg/kg	Landau Database
MH179	North Lateral	4/26/2006	34	mg/kg	Landau Database
MH179	North Lateral	9/26/2005	15.3	mg/kg	Landau Database
MH179	North Lateral	5/4/2000	32.721	mg/kg	Landau Database
MH179	North Lateral	8/7/1998	1.31	mg/kg	Landau Database
MH179	North Lateral	9/22/1997	3.3	mg/kg	Landau Database
MH179A	North Lateral	9/26/2005	3.7	mg/kg	Landau Database
MH181		8/11/1998	6.4	mg/kg	Landau Database
MH181		9/23/1997	9	mg/kg	Landau Database
MH181A	North Lateral	3/13/2007	12.8	mg/kg	Landau Database
MH181A	North Lateral	12/8/2006	17.9	mg/kg	Landau Database
MH181A	North Lateral	8/11/1998	7.09	mg/kg	Landau Database
MH181A	North Lateral	9/23/1997	10	mg/kg	Landau Database
MH187	North Lateral	3/13/2007	100	mg/kg	Landau Database
MH187	North Lateral	12/8/2006	64.1	mg/kg	Landau Database
MH187	North Lateral	10/4/2005	9.2	mg/kg	Landau Database
MH187	North Lateral	8/7/1998	27.2	mg/kg	Landau Database

**Table 4-32  
Total PCBs in Storm Drain Solids**

Sample Location	Drainage Area	Date	Total PCB Conc'n	Units	Source
MH187	North Lateral	9/23/1997	49	mg/kg	Landau Database
MH187	North Lateral	10/18/1996	0.58	mg/kg	Landau Database
MH187	North Lateral	7/17/1992	180	mg/kg	Landau Database
MH193	North Lateral	3/13/2007	173	mg/kg	Landau Database
MH193	North Lateral	1/8/2007	24	mg/kg	Landau Database
MH193	North Lateral	7/25/2006	191	mg/kg	Landau Database
MH193	North Lateral	9/26/2005	84	mg/kg	Landau Database
MH193	North Lateral	5/4/2000	46.999	mg/kg	Landau Database
MH193	North Lateral	8/7/1998	50.1	mg/kg	Landau Database
MH193	North Lateral	9/23/1997	47	mg/kg	Landau Database
MH19C (T3A)	South-Central Lateral	5/17/2007	0.078	mg/kg	Document 3260
MH19C (T3A)	South-Central Lateral	1/9/2007	0.187	mg/kg	Document 3260
MH19C (T3A)	South-Central Lateral	3/16/2006	0.73	mg/kg	Document 3260
MH19C (T3A)	South-Central Lateral	8/11/2005	0.038	mg/kg	Document 3260
MH219	North-Central Lateral	8/11/1998	2.73	mg/kg	Landau Database
MH219	North-Central Lateral	1/9/1997	4.2	mg/kg	Landau Database
MH220	North-Central Lateral	12/30/2008	3.6	mg/kg	Document 2499
MH220	North-Central Lateral	8/11/1998	28.4	mg/kg	Landau Database
MH220	North-Central Lateral	9/22/1997	16	mg/kg	Landau Database
MH220	North-Central Lateral	1/9/1997	18	mg/kg	Landau Database
MH221		9/23/1996	15	mg/kg	Landau Database
MH221A (T4)	North-Central Lateral	12/3/2008	0.24	mg/kg	Document 3260
MH221A (T4)	North-Central Lateral	7/30/2008	0.78	J mg/kg	Document 3400
MH221A (T4)	North-Central Lateral	3/18/2008	0.44	mg/kg	Document 3400
MH221A (T4)	North-Central Lateral	10/29/2007	1.88	mg/kg	Document 3400
MH221A (T4)	North-Central Lateral	5/14/2007	1.59	mg/kg	Document 3400
MH221A (T4)	North-Central Lateral	1/8/2007	1.7	mg/kg	Document 3400
MH221A (T4)	North-Central Lateral	10/11/2006	0.94	mg/kg	Document 3400
MH221A (T4)	North-Central Lateral	3/16/2006	1.09	mg/kg	Document 3400
MH221A (T4)	North-Central Lateral	8/11/2005	2.75	mg/kg	Document 3400
MH221A (T4)	North-Central Lateral	2/16/2005	1.49	mg/kg	Document 3260
MH223	North-Central Lateral	5/1/2000	16.504	mg/kg	Landau Database
MH226	North-Central Lateral	3/14/2007	50	mg/kg	Landau Database
MH226	North-Central Lateral	7/25/2006	15	mg/kg	Landau Database
MH226	North-Central Lateral	8/6/1998	46	mg/kg	Landau Database
MH227	North-Central Lateral	8/18/1992	142	mg/kg	Landau Database
MH228		4/10/2007	1.87	mg/kg	Landau Database
MH228	North-Central Lateral	7/15/1992	1.5	mg/kg	Landau Database
MH228C	North-Central Lateral	4/10/2007	19.7	mg/kg	Landau Database
MH228D	North-Central Lateral	4/10/2007	20	mg/kg	Landau Database
MH229A (T4A)	North-Central Lateral	12/3/2008	0.011	U mg/kg	Document 3260
MH229A (T4A)	North-Central Lateral	9/22/2008	0.074	mg/kg	Document 2109
MH229A (T4A)	North-Central Lateral	7/30/2008	0.058	mg/kg	Document 3400
MH229A (T4A)	North-Central Lateral	3/18/2008	0.042	mg/kg	Document 3400
MH229A (T4A)	North-Central Lateral	10/29/2007	0.099	mg/kg	Document 3400
MH229A (T4A)	North-Central Lateral	1/8/2007	0.103	mg/kg	Document 3400
MH229A (T4A)	North-Central Lateral	10/11/2006	0.243	mg/kg	Document 3400
MH229A (T4A)	North-Central Lateral	3/16/2006	0.114	mg/kg	Document 3400
MH229A (T4A)	North-Central Lateral	8/11/2005	0.45	mg/kg	Document 3400

**Table 4-32  
Total PCBs in Storm Drain Solids**

Sample Location	Drainage Area	Date	Total PCB Conc'n	Units	Source
MH229A (T4A)	North-Central Lateral	2/16/2005	5.6	mg/kg	Document 3260
MH229A (T4A)	North-Central Lateral	10/3/1996	1.2	mg/kg	Landau Database
MH231		7/15/1992	4.68	mg/kg	Landau Database
MH247	North-Central Lateral	3/14/2007	34	mg/kg	Landau Database
MH247	North-Central Lateral	8/18/1992	328	mg/kg	Landau Database
MH247	North-Central Lateral	8/18/1992	1240	mg/kg	Landau Database
MH247	North-Central Lateral	7/15/1992	287	mg/kg	Landau Database
MH248		6/4/2000	17.479	mg/kg	Landau Database
MH248		8/14/1998	23.2	mg/kg	Landau Database
MH249	North-Central Lateral	3/14/2007	4	mg/kg	Landau Database
MH249	North-Central Lateral	7/26/2006	11.2	mg/kg	Landau Database
MH249	North-Central Lateral	5/13/2005	11.6	mg/kg	Landau Database
MH249	North-Central Lateral	6/4/2000	90.78	mg/kg	Landau Database
MH249	North-Central Lateral	8/14/1998	80	mg/kg	Landau Database
MH249	North-Central Lateral	9/24/1997	98	mg/kg	Landau Database
MH249	South-Central Lateral	8/18/1992	49	mg/kg	Landau Database
MH263		8/10/2000	0.45	mg/kg	Landau Database
MH263		8/17/1998	0.419	mg/kg	Landau Database
MH266B		6/3/2000	1.141	mg/kg	Landau Database
MH271B		5/21/2000	0.134	mg/kg	Landau Database
MH271B		9/25/1997	0.05	U mg/kg	Landau Database
MH281		7/15/1992	0.094	mg/kg	Landau Database
MH310F		4/12/2000	3.018	mg/kg	Landau Database
MH311		5/21/2000	0.19	U mg/kg	Landau Database
MH311		8/17/1998	0.109	mg/kg	Landau Database
MH34		7/16/1992	3.5	mg/kg	Landau Database
MH34		7/16/1992	4.8	mg/kg	Landau Database
MH356 (T2)	South Lateral	12/3/2008	0.01	mg/kg	Document 3260
MH356 (T2)	South Lateral	7/30/2008	0.024	mg/kg	Document 3400
MH356 (T2)	South Lateral	3/18/2008	0.085	mg/kg	Document 3400
MH356 (T2)	South Lateral	10/29/2007	0.133	mg/kg	Document 3400
MH356 (T2)	South Lateral	5/14/2007	0.128	mg/kg	Document 3400
MH356 (T2)	South Lateral	1/8/2007	0.31	mg/kg	Document 3400
MH356 (T2)	South Lateral	10/11/2006	1.23	mg/kg	Document 3400
MH356 (T2)	South Lateral	3/16/2006	1.46	mg/kg	Document 3400
MH356 (T2)	South Lateral	8/11/2005	0.84	mg/kg	Document 3400
MH356 (T2)	South Lateral	7/15/1992	0.31	mg/kg	Landau Database
MH360		4/10/2007	0.033	U mg/kg	Landau Database
MH361	North-Central Lateral	8/12/1998	2.21	mg/kg	Landau Database
MH363 (T5)	North Lateral	12/3/2008	3.1	mg/kg	Document 3260
MH363 (T5)	North Lateral	7/30/2008	4.2	mg/kg	Document 3400
MH363 (T5)	North Lateral	3/18/2008	16	mg/kg	Document 3400
MH363 (T5)	North Lateral	10/29/2007	62	mg/kg	Document 3400
MH363 (T5)	North Lateral	5/14/2007	183	mg/kg	Document 3400
MH363 (T5)	North Lateral	1/8/2007	500	mg/kg	Document 3400
MH363 (T5)	North Lateral	10/11/2006	800	mg/kg	Document 3400
MH363 (T5)	North Lateral	3/16/2006	114	mg/kg	Document 3400
MH363 (T5)	North Lateral	8/11/2005	24	mg/kg	Document 3400
MH363 (T5)	North Lateral	2/16/2005	7	mg/kg	Document 3260



**Table 4-32  
Total PCBs in Storm Drain Solids**

Sample Location	Drainage Area	Date	Total PCB Conc'n	Units	Source
MH363 (T5)	North Lateral	8/11/1998	3.26	mg/kg	Landau Database
MH364 (T3)	South-Central Lateral	12/3/2008	0.026	mg/kg	Document 3260
MH364 (T3)	South-Central Lateral	7/30/2008	0.032	mg/kg	Document 3400
MH364 (T3)	South-Central Lateral	3/18/2008	0.09	mg/kg	Document 3400
MH364 (T3)	South-Central Lateral	10/29/2007	0.034	U mg/kg	Document 3400
MH364 (T3)	South-Central Lateral	1/8/2007	0.57	mg/kg	Document 3400
MH364 (T3)	South-Central Lateral	10/11/2006	0.63	mg/kg	Document 3400
MH364 (T3)	South-Central Lateral	3/16/2006	1.81	mg/kg	Document 3400
MH364 (T3)	South-Central Lateral	8/11/2005	1.4	mg/kg	Document 3400
MH369		6/3/2000	20.29	mg/kg	Landau Database
MH369		7/15/1992	7.6	mg/kg	Landau Database
MH373		8/13/1998	0.383	mg/kg	Landau Database
MH373		8/13/1998	0.386	mg/kg	Landau Database
MH378		7/15/1992	9.67	mg/kg	Landau Database
MH402		6/4/2000	5.405	mg/kg	Landau Database
MH402		8/14/1998	22.3	mg/kg	Landau Database
MH413		8/10/2000	2.1	mg/kg	Landau Database
MH414	South-Central Lateral	4/10/2007	0.37	mg/kg	Landau Database
MH414	South-Central Lateral	7/19/2000	1.45	mg/kg	Landau Database
MH414	South-Central Lateral	8/13/1998	1.15	mg/kg	Landau Database
MH415	South-Central Lateral	4/10/2007	47	mg/kg	Landau Database
MH415	South-Central Lateral	3/14/2007	70	mg/kg	Landau Database
MH415	South-Central Lateral	7/26/2006	3.8	U mg/kg	Landau Database
MH415	South-Central Lateral	6/6/2005	13	mg/kg	Landau Database
MH415	South-Central Lateral	7/19/2000	25.179	mg/kg	Landau Database
MH422 (T1)	North & North-Central	12/3/2008	19	mg/kg	Document 3260
MH422 (T1)	North & North-Central	7/30/2008	10	mg/kg	Document 3400
MH422 (T1)	North & North-Central	3/18/2008	7.6	mg/kg	Document 3400
MH422 (T1)	North & North-Central	10/29/2007	21.8	mg/kg	Document 3400
MH422 (T1)	North & North-Central	5/14/2007	420	mg/kg	Document 3400
MH422 (T1)	North & North-Central	1/8/2007	260	mg/kg	Document 3400
MH422 (T1)	North & North-Central	10/11/2006	110	mg/kg	Document 3400
MH422 (T1)	North & North-Central	3/16/2006	107	mg/kg	Document 3400
MH422 (T1)	North & North-Central	8/11/2005	10	mg/kg	Document 3400
MH427A	North-Central Lateral	12/30/2008	0.181	mg/kg	Document 2499
MH428	North-Central Lateral	12/30/2008	0.041	mg/kg	Document 2499
MH428A	North-Central Lateral	12/30/2008	0.39	mg/kg	Document 2499
MH443		9/26/1997	1.2	mg/kg	Landau Database
MH457A		4/11/2000	6.364	mg/kg	Landau Database
MH461		7/15/1992	2.45	mg/kg	Landau Database
MH461		12/2/1986	8.9	mg/kg	Landau Database
MH482 (T2A)	South Lateral	5/17/2007	0.23	mg/kg	Document 3260
MH482 (T2A)	South Lateral	1/9/2007	0.28	mg/kg	Document 3260
MH482 (T2A)	South Lateral	10/6/2006	0.02	U mg/kg	Document 3260
MH482 (T2A)	South Lateral	3/15/2006	0.38	mg/kg	Document 3260
MH482 (T2A)	South Lateral	8/11/2005	0.177	mg/kg	Document 3260
MH482 (T2A)	South Lateral	8/14/1998	0.52	mg/kg	Landau Database
MH482 (T2A)	South Lateral	7/15/1992	1.28	mg/kg	Landau Database
MH483A	South Lateral	5/13/2005	3.5	mg/kg	Landau Database



**Table 4-32  
Total PCBs in Storm Drain Solids**

Sample Location	Drainage Area	Date	Total PCB Conc'n	Units	Source
MH483A	South Lateral	6/4/2000	341.501	mg/kg	Landau Database
MH483F	South Lateral	3/15/2007	0.144	mg/kg	Landau Database
MH483F	South Lateral	8/14/1998	0.44	mg/kg	Landau Database
MH492		9/25/1997	0.05	U mg/kg	Landau Database
MH528		8/17/1998	2.64	mg/kg	Landau Database
MH582		7/26/2006	1.4	mg/kg	Landau Database
MH642		8/10/2000	12	mg/kg	Landau Database
MH643		9/24/1997	0.2	mg/kg	Landau Database
MH652	North Lateral	2/26/2007	8.2	mg/kg	Landau Database
MN109		5/1/2000	2.368	mg/kg	Landau Database
MN112		7/7/2000	7.36	mg/kg	Landau Database
OWS0A6		8/6/1998	14.4	mg/kg	Landau Database
OWS132	North Lateral	3/15/2007	10.3	mg/kg	Landau Database
OWS132	North Lateral	1/5/2006	7.3	mg/kg	Landau Database
OWS132	North Lateral	9/26/2005	12	mg/kg	Landau Database
OWS132	North Lateral	5/1/2000	46.867	mg/kg	Landau Database
OWS132	North Lateral	8/10/1998	13.5	mg/kg	Landau Database
OWS132	North Lateral	9/23/1997	22	mg/kg	Landau Database
OWS132	North Lateral	10/8/1996	7	mg/kg	Landau Database
OWS137		8/16/2000	6.6	mg/kg	Landau Database
OWS137		8/10/1998	4.6	mg/kg	Landau Database
OWS153	North Lateral	1/5/2006	1	mg/kg	Landau Database
OWS153	North Lateral	3/23/2000	8.979	mg/kg	Landau Database
OWS153	North Lateral	8/10/1998	3.85	mg/kg	Landau Database
OWS186	North Lateral	3/13/2007	105	mg/kg	Landau Database
OWS186	North Lateral	7/25/2006	1200	mg/kg	Landau Database
OWS186	North Lateral	9/26/2005	49	mg/kg	Landau Database
OWS186	North Lateral	5/13/2005	33	mg/kg	Landau Database
OWS186	North Lateral	5/4/2000	199.134	mg/kg	Landau Database
OWS186	North Lateral	8/7/1998	233.9	mg/kg	Landau Database
OWS1-C	South Lateral	7/26/2006	2.2	mg/kg	Landau Database
OWS1-C	South Lateral	1/13/2006	4.7	mg/kg	Landau Database
OWS1-C	South Lateral	6/3/2000	10.954	mg/kg	Landau Database
OWS220A		5/4/2000	3.155	mg/kg	Landau Database
OWS221	North-Central Lateral	12/30/2008	2.8	mg/kg	Document 2499
OWS226A		3/14/2007	11.3	mg/kg	Landau Database
OWS226A		7/25/2006	17.4	mg/kg	Landau Database
OWS226A	North-Central Lateral	1/5/2006	32	mg/kg	Landau Database
OWS231		8/6/1998	22.8	mg/kg	Landau Database
OWS289		5/20/2000	6.72	U mg/kg	Landau Database
OWS421	Pump Station	1/13/2006	3	mg/kg	Landau Database
OWS421	Pump Station	8/12/1998	0.25	mg/kg	Landau Database
OWS445D		4/11/2000	2.558	mg/kg	Landau Database
OWS445D		8/13/1998	1.23	mg/kg	Landau Database
OWS472A	North-Central Lateral	3/14/2007	24	mg/kg	Landau Database
OWS472A	North-Central Lateral	1/5/2006	5.6	mg/kg	Landau Database
OWS472A	North-Central Lateral	8/14/1998	13	mg/kg	Landau Database
OWS483A	South Lateral	1/5/2006	6.6	mg/kg	Landau Database
OWS483B	South Lateral	3/15/2007	0.74	mg/kg	Landau Database

**Table 4-32  
Total PCBs in Storm Drain Solids**

Sample Location	Drainage Area	Date	Total PCB Conc'n		Units	Source
OWS483B	South Lateral	7/26/2006	3.6	J	mg/kg	Landau Database
OWS483B	South Lateral	8/14/1998	54		mg/kg	Landau Database
OWS483B	South Lateral	9/25/1997	110		mg/kg	Landau Database
OWS549		4/24/2000	2.507		mg/kg	Landau Database
OWS549		8/18/1998	0.2		mg/kg	Landau Database
OWS611		9/17/1997	0.28		mg/kg	Landau Database
OWS612		5/4/2000	6.707		mg/kg	Landau Database
OWS640	South Lateral	1/5/2006	2.6		mg/kg	Landau Database
OWS640	South Lateral	5/20/2000	2.18		mg/kg	Landau Database
PS527		9/26/1997	0.74		mg/kg	Landau Database
S17		3/29/1984	500		mg/kg	Landau Database
SPDT08-1	GTSP Condenser Pit	9/16/2008	1.36		mg/kg	Document 2109
SPDT08-2	GTSP Condenser Pit	9/16/2008	1.7		mg/kg	Document 2109
SPDT08-5	GTSP Discharge Tunnel	9/16/2008	28		mg/kg	Document 2109
SPDT08-6	GTSP Discharge Tunnel	9/16/2008	24		mg/kg	Document 2109
SPDT08-7	GTSP Discharge Tunnel	9/16/2008	23.4		mg/kg	Document 2109
SWP3312		8/13/1998	5.43		mg/kg	Landau Database
SWPA5A6		8/13/1998	2.91		mg/kg	Landau Database
UNKNOWN 02		8/12/1982	0.078		mg/kg	Landau Database
UNKNOWN 07		4/4/1984	19.58		mg/kg	Landau Database
UNKNOWN 10		5/14/1984	126		mg/kg	Landau Database
UNKNOWN 11		5/14/1984	15.1		mg/kg	Landau Database
UNKNOWN 12		8/28/1984	1.6		mg/kg	Landau Database
UNKNOWN 13		8/28/1984	440		mg/kg	Landau Database
UNKNOWN 14		8/28/1984	8.8		mg/kg	Landau Database
UNKNOWN 15		8/28/1984	580		mg/kg	Landau Database
UNKNOWN 16		8/28/1984	420		mg/kg	Landau Database
UNKNOWN 17		8/28/1984	360		mg/kg	Landau Database
UNKNOWN 19		8/1/1985	11000		mg/kg	Landau Database
UNKNOWN 20		10/14/1985	0.5	U	mg/kg	Landau Database
UNKNOWN 21		12/13/1985	0.03		mg/kg	Landau Database
UNKNOWN 22		12/13/1985	0.07		mg/kg	Landau Database
UNKNOWN 23		12/2/1986	4.9		mg/kg	Landau Database
UNKNOWN 26		7/17/1992	1.76		mg/kg	Landau Database
UNKNOWN 27		7/17/1992	16.2		mg/kg	Landau Database
UNKNOWN 28		8/18/1992	3.3		mg/kg	Landau Database
UNKNOWN 32		10/18/1996	13		mg/kg	Landau Database

 >1 mg/kg  
 >10 mg/kg  
 >100 mg/kg

**Table 5-1**  
**NBF-FTC: Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
B10(2.5-3.0)	7/1/1992	2.5	Chromium	23.3	19	A, Chromium VI	Yes	5400	V	No	Landau 10/26/92*
SS-5	7/1/1992		2-Methyl naphthalene	25	320	B, NC	No	1.4	V	Yes	Landau 10/26/92*
B4(8.0-9.0)	7/1/1992	8	2-Methyl naphthalene	5.2	320	B, NC	No	0.073	S	Yes	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	2-Methyl naphthalene	1.7	320	B, NC	No	1.4	V	Yes	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	2-Methyl naphthalene	1.7	320	B, NC	No	1.4	V	Yes	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	2-Methyl naphthalene	0.38	320	B, NC	No	0.073	S	Yes	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	4-Methylphenol (p-cresol)	0.31	400	B, NC	No	0.056	S	Yes	Landau 10/26/92*
B4(8.0-9.0)	7/1/1992	8	Acenaphthene	0.066 M	4800	B, NC	No	0.060	S	Yes	Landau 10/26/92*
B13(5.5-6.0)	7/1/1992	5.5	Arsenic	10	0.67	B, Carc	Yes	12000	V	No	Landau 10/26/92*
SS-5	7/1/1992		Benzo(a)pyrene	0.52	0.137	B, Carc	Yes	4.2	V	No	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Benzo(a)pyrene	0.16	0.137	B, Carc	Yes	4.2	V	No	Landau 10/26/92*
B11(4.0-4.5)	7/1/1992	4	bis(2-Ethylhexyl)phthalate	7.2 J	71	B, Carc	No	1.6	V	Yes	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	bis(2-Ethylhexyl)phthalate	3.9	71	B, Carc	No	1.6	V	Yes	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	bis(2-Ethylhexyl)phthalate	1.9	71	B, Carc	No	0.078	S	Yes	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	Butylbenzylphthalate	0.11	16000	B, NC	No	0.078	S	Yes	Landau 10/26/92*
B6(4.1-4.4)	7/1/1992	4.0999999	Chromium	48.2	19	A, Chromium VI	Yes	5400	V	No	Landau 10/26/92*
B5(1.5-3.0)	7/1/1992	1.5	Chromium	29.1	19	A, Chromium VI	Yes	5400	V	No	Landau 10/26/92*
SS-2	7/1/1992		Chromium	25.4	19	A, Chromium VI	Yes	5400	V	No	Landau 10/26/92*
B11(0.5-1.5)	7/1/1992	0.5	Chromium	20.6	19	A, Chromium VI	Yes	5400	V	No	Landau 10/26/92*
B9(6.5-7.0)	7/1/1992	6.5	Chromium	20.4	19	A, Chromium VI	Yes	5400	V	No	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	Copper	69.8	3000	B, NC	No	39	S	Yes	Landau 10/26/92*
B4(8.0-9.0)	7/1/1992	8	Dibenzofuran	0.067 M	160	B, NC	No	0.059	S	Yes	Landau 10/26/92*
B11(5.5-6.0)	7/1/1992	5.5	Diesel Range Hydrocarbons	25000	2000	A	Yes	NA	NA	NA	Landau 10/26/92*
B4(2.5-3.0)	7/1/1992	2.5	Diesel Range Hydrocarbons	13000	2000	A	Yes	NA	NA	NA	Landau 10/26/92*
B12(5.5)	7/1/1992	5.5	Diesel Range Hydrocarbons	9500	2000	A	Yes	NA	NA	NA	Landau 10/26/92*
B13(6.0-6.5)	7/1/1992	6	Diesel Range Hydrocarbons	8800	2000	A	Yes	NA	NA	NA	Landau 10/26/92*
B4(4.0-4.5)	7/1/1992	4	Diesel Range Hydrocarbons	4900	2000	A	Yes	NA	NA	NA	Landau 10/26/92*
SS-6	7/1/1992		Diesel Range Hydrocarbons	3100	2000	A	Yes	NA	NA	NA	Landau 10/26/92*
B4(6.0)	7/1/1992	6	Diesel Range Hydrocarbons	2400	2000	A	Yes	NA	NA	NA	Landau 10/26/92*
B4(8.0-9.0)	7/1/1992	8	Fluorene	0.2	3200	B, NC	No	0.081	S	Yes	Landau 10/26/92*
B11(7.0-7.5)	7/1/1992	7	Methylene Chloride	1.8	0.02	A	Yes	NA	NA	NA	Landau 10/26/92*
SS-5	7/1/1992		Naphthalene	14	5	A	Yes	3.8	V	Yes	Landau 10/26/92*
B4(8.0-9.0)	7/1/1992	8	Naphthalene	1.6	5	A	No	0.20	S	Yes	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	Naphthalene	0.28	5	A	No	0.20	S	Yes	Landau 10/26/92*
SS-5	7/1/1992		PAHs, total carcinogenic	0.69	0.14	B, Carc	Yes	NA	NA	NA	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	PAHs, total carcinogenic	0.20	0.14	B, Carc	Yes	NA	NA	NA	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	PCB, total	2.7	0.5	B, Carc	Yes	1.3	V	Yes	Landau 10/26/92*
SS-4	7/1/1992		PCB, total	1.66	0.5	B, Carc	Yes	1.3	V	Yes	Landau 10/26/92*
SS-2	7/1/1992		PCB, total	0.96	0.5	B, Carc	Yes	1.3	V	No	Landau 10/26/92*
B11(4.0-4.5)	7/1/1992	4	PCB, total	0.93 J	0.5	B, Carc	Yes	1.3	V	No	Landau 10/26/92*
SS-7	7/1/1992		PCB, total	0.53	0.5	B, Carc	Yes	1.3	V	No	Landau 10/26/92*
SS-5	7/1/1992		Xylenes, total	21	9	A	Yes	NA	NA	NA	Landau 10/26/92*
B16(4.2-5.2)	3/1/1993	4.2	Diesel Range Hydrocarbons	19000	2000	A	Yes	NA	NA	NA	Landau 5/11/93
B16(4.2-5.2)	3/17/1993	4.19999981	Diesel Range Hydrocarbons	19000	2000	A	Yes	NA	NA	NA	Landau 8/10/93*
B16(5.2-5.4)	3/1/1993	5.2	Diesel Range Hydrocarbons	18000	2000	A	Yes	NA	NA	NA	Landau 5/11/93
B16(5.2-5.4)	3/17/1993	5.19999981	Diesel Range Hydrocarbons	18000	2000	A	Yes	NA	NA	NA	Landau 8/10/93*
PWC-4	5/26/1993		Diesel Range Hydrocarbons	9400	2000	A	Yes	NA	NA	NA	Landau 8/10/93*

**Table 5-1**  
**NBF-FTC: Chemicals Detected in Soil Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Source
B18/6.5-7.5'	3/1/1993	6.5	Diesel Range Hydrocarbons	8300	2000	A	Yes	NA	NA	NA	Landau 5/11/93
B18/6.5-7.5	3/18/1993	6.5	Diesel Range Hydrocarbons	8300	2000	A	Yes	NA	NA	NA	Landau 8/10/93*
B16/5.2-5.4'	3/1/1993	5.2	Jet Fuel	7500	2000	A, diesel	Yes	NA	NA	NA	Landau 5/11/93
B16/5.2-5.4	3/17/1993	5.19999981	Jet Fuel	7500	2000	A, diesel	Yes	NA	NA	NA	Landau 8/10/93*
B16/4.2-5.2'	3/1/1993	4.2	Jet Fuel	7200	2000	A, diesel	Yes	NA	NA	NA	Landau 5/11/93
B16/4.2-5.2	3/17/1993	4.19999981	Jet Fuel	7200	2000	A, diesel	Yes	NA	NA	NA	Landau 8/10/93*
B18/6.5-7.5'	3/1/1993	6.5	Jet Fuel	3900	2000	A, diesel	Yes	NA	NA	NA	Landau 5/11/93
B18/6.5-7.5	3/18/1993	6.5	Jet Fuel	3900	2000	A, diesel	Yes	NA	NA	NA	Landau 8/10/93*
SS-12	3/1/1993	0.0	PCB, total	1.0 J	0.5	B, Carc	Yes	1.3	V	No	Landau 5/11/93

**Notes:**

feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

Soil samples from areas that have been excavated are not included in the table.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

RLE - Reporting limit exceeds MTCA Cleanup Level and/or Soil-to-Sediment Screening Level; analyte not detected.

**Soil-to-Sediment Screening Levels**

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the soil-to-sediment screening level.

**Data Qualifiers**

J - Estimated value between the laboratory reporting limit and the method detection limit

M - Indicates an estimated value of the analyte was found and confirmed by analyst, but with low spectral match parameters

**Table 5-2**

**NBF-FTC: Chemicals Detected in Groundwater Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Concentration (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	Source
NBF-MW-4	1987	Arsenic	12	0.058	B, Carc	Yes	370	No	CH2M Hill 12/1987
NBF-MW-3	1987	Arsenic	5	0.058	B, Carc	Yes	370	No	CH2M Hill 12/1987
NBF-MW-2	1987	Methylene Chloride	31	5	A	Yes	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Methylene Chloride	26	5	A	Yes	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Methylene Chloride	18	5	A	Yes	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Methylene Chloride	13	5	A	Yes	NA	NA	CH2M Hill 12/1987
<b>NBF-MW-1</b>	<b>7/1/1992</b>	<b>bis(2-Ethylhexyl)phthalate</b>	<b>0.5 J</b>	<b>6.3</b>	<b>B, Carc</b>	<b>No</b>	<b>0.47</b>	<b>Yes</b>	<b>Landau 10/26/92*</b>
NBF-MW-3	7/1/1992	Arsenic	9	0.058	B, Carc	Yes	370	No	Landau 10/26/92*
NBF-MW-4	7/1/1992	Arsenic	11	0.058	B, Carc	Yes	370	No	Landau 10/26/92*
MW-7	2/11/1994	Diesel Range Hydrocarbons	600	500	A	Yes	NA	NA	Landau 6/28/94*

**Notes:**

ug/L - micrograms per liter

GW - groundwater

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

**MTCA Cleanup Levels**

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

**Groundwater-to-Sediment Screening Levels**

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the groundwater-to-sediment screening level.

**Data Qualifiers**

J - Estimated value between the laboratory reporting limit and the method detection limit

# North Boeing Field and Georgetown Steam Plant

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## Supplemental Report: Summary of Existing Information and Identification of Data Gaps

Prepared for



Toxics Cleanup Program  
Northwest Regional Office  
Washington State Department of Ecology  
Bellevue, Washington

Prepared by



Science Applications International Corporation  
18912 North Creek Parkway, Suite 101  
Bothell, WA 98011

August 2009

## **Volume II. Appendices**





# Appendix A

## Documents Reviewed

Documents shown with yellow shading were not available during preparation of the February 2007 NBF-GTSP Summary of Existing Information and Identification of Data Gaps Report.

Of the 635 documents listed in the attached table:

- 251 documents are dated prior to October 2006 and were reviewed during preparation of the 2007 Data Gaps Report;
- 250 documents are dated prior to October 2006 but were not available in the files reviewed during preparation of the 2007 Data Gaps Report; and
- 134 documents are dated October 2006 or later.



## Appendix A: Documents Reviewed

No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
1	1953-1965	City of Seattle 1953-1965	4110	Excerpts from Georgetown Steam Plant log books	Other		Seattle City Light		
2	3/16/1954	City of Seattle 1954	2345	Re: Request to connect to 24-inch City sewer	Letter	Eaver, Paul	City of Seattle	Joy, Roger	Boeing
3	8/2/1967	City of Seattle 1967	2258	City of Seattle Department of Lighting, Temporary Permit to The Boeing Company for conducting fire tests at the Georgetown Steam Plant, near 13th Avenue S and S Greeley Street	Permit		City of Seattle		
4	12/6/1968	Boeing 1968	2312	Re: Request for permit to discharge water to Flume	Letter	Van Hollebeke	Boeing	Scarvie, Francis	City of Seattle
5	3/19/1969	City of Seattle 1969	2313	Re: Boeing Temporary Permit for Discharge to Georgetown Steam Plant Flume	Letter	Henry, E.G.	City of Seattle	Nelson, John	City of Seattle
6	3/28/1969	City of Seattle 1969	2254	Re: Temporary Permit from Seattle Board of Public Works authorizing the discharge of coolant waters into the Georgetown Steam Plant Flume	Letter	Scarvie, Francis	City of Seattle	Van Hollebeke, R.	Boeing
7	4/29/1970	WPCC 1970	3223	Boeing Field Inspection	Memo	Messman, Stew	WPCC		
8	2/24/1976	USEPA 1976	3222	Modification of NPDES permits for steam electric power plants	Letter	Nielsen, Lyman	USEPA	McCormick, Robert	Ecology
9	3/10/1976	FAA 1976	3245	Notice of Proposed Construction or Alteration, KCIA, reconstruction of fire training pit	Permit		FAA		
10	3/11/1976	KCIA 1976	3246	Re: Fire Training Pit	Letter	Smith, Donald	KCIA	Brown, Robert	FAA
11	4/5/1976	FAA 1976	3244	Re: Improvements to existing fire training pit at north end of airport and proposed easement	Letter	Smith, Bob	FAA	Smith, Donald	KCIA
12	4/14/1976	King County 1976	3247	Easement to Boeing for Fire Training Pit	Other		Spellman, John		
13	5/17/1976	Ecology 1976	1130	Issuance of Revised NPDES Permit, Georgetown Facility, Permit No. WA-000328-0	Letter	McCormick, Robert	Ecology	Henault, Pete	City of Seattle Department of Lighting
14	5/26/1976	SCL 1976	4112	Memorandum to File Re: Transformer Oil Purchases and Disposal	Memo	Eaton, R.B.	SCL	File	
15	6/24/1976	Boeing 1976	3248	Technical Specifications, Fire Training Facility Upgrade	Report		Boeing		
16	5/7/1980	ASME 1980	331	Georgetown Steam Plant, National Historic Mechanical Engineering Landmark, Dedication Program	Other		ASME		
17	9/15/1982	Boeing 1982	2259	Re: Drawings of proposed oil separator installation at fire practice pits (north end of runway)	Letter	Bies, J.W.	Boeing	Lukhang, Shirley	SCL
18	9/16/1982	Boeing 1982	1552	1968 Storm & Sanitary Sewer Drawing; revised 9/16/82	Map		Boeing		
19	9/21/1982	SCL 1982	2261	Re: Review of Permit Application - The Boeing Company (Fire Training Pit)	Memo	Farr, Gary	SCL	Youngs, Robert	SCL
20	10/25/1982	SCL 1982	2262	Re: Location of PCB Sources to Duwamish	Letter	Fletcher, Katherine	SCL	Healey, Denise	METRO
21	1/24/1983	METRO 1983	2263	Re: Sediment samples from storm drains at NBF draining to Georgetown Flume	Letter	Healy, Denise	METRO	Diefenderfer, W.R.	Boeing
22	1/24/1983	METRO 1983	2264	Re: PCB samples from Georgetown Flume	Letter	Healy, Denise	METRO	Fletcher, Katherine	SCL
23	1/31/1983	SCL 1983	2265	Re: METRO's PCB Inquiries	Memo	Fletcher, Katherine	SCL	Sickler, Walt	SCL

## Appendix A: Documents Reviewed

No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
24	4/12/1983	Boeing 1983	2260	Re: Cancellation of Permit Application for Drainage Trenchy	Letter	Bies, J.W.	Boeing	Lukhang, Shirley	SCL
25	4/25/1983	Boeing 1983	366	Request for information about PCB contamination in City Light flume	Letter	Diefenderfer, W.R.	Boeing	Hilderbrand, Douglas	METRO
26	7/12/1983	Shannon & Wilson 1983	1549	Re: Subsurface Investigation of Petroleum Product Occurrence, North Boeing Field - Fire Practice Pit	Letter	Balmer, Donald	Shannon & Wilson	Loughrey, Ed	Boeing
27	9/28/1983	METRO 1983	1176	Inspection of Georgetown Steam Plant	Memo	Healy, Denise	METRO	Brugger, Gary	Ecology
28	3/5/1984	METRO 1984	1177	Proposed storm drain monitoring program	Letter	Hubbard, Thomas	METRO	Benson, Chris	Seattle City Light
29	4/1/1984	Shapiro and Raven 1984	2266	Hazardous Substances Contamination Testing, Phase I - Recommendations	Report		Shapiro and Associates, Inc. and Raven Systems and Research, Inc.		
30	4/3/1984	Raven 1984	1182	Georgetown Flume PCBs problem (Boeing North Field, Georgetown Steam Plant)	Map		Raven Systems and Research, Inc.		
31	5/30/1984	Laucks 1984	2267	PCB Sediment Sample Results at Boeing Flight Center, Boeing Field	Data		Laucks Testing Laboratories, Inc.		
32	6/12/1984	SCL 1984	1192	Spill of lube oil at Georgetown Steamplant	Letter	Croll, Timothy	Seattle City Light	Dawda, Mike	Ecology
33	6/19/1984	Ecology 1984	1131	Boeing - North Field/Seattle City Light-Georgetown, Soil and Sediment Sampling	Memo	Smith, B.	Ecology	Messman, S.	Ecology
34	7/24/1984	SCL 1984	1193	Sampling plan, low-lying area	Letter	Croll, Timothy	Seattle City Light	Partridge, Margo	USEPA
35	8/10/1984	USEPA 1984	166	Potential Hazardous Waste Site Site Identification, Boeing North Field	Form	Morson, Barbara	JRB Associates		
36	9/5/1984	Boeing 1984	367	August 1984 PCB sampling results - North Boeing Field	Map				
37	9/27/1984	METRO 1984	1178	PCB discharge to flume (clean-up water)	Letter	Hilderbrand, Douglas	METRO	Thompson, Kirk	Boeing
38	10/1/1984	SCL 1984	1195	Seattle City Light, Georgetown Steam Plant Flume, PCB Testing Results	Map		Seattle City Light		
39	10/26/1984	SCL 1984	1194	Proposal for interim remedial action	Letter	Croll, Timothy	Seattle City Light	Partridge, Margo	USEPA
40	10/30/1984	Boeing 1984	368	Tabulation of specific PCB aroclors	Letter	Thomson, Kirk	Boeing	Partridge, M.	USEPA
41	11/1/1984	Raven 1984	1183	Seattle City Light Work Order 84-4, Soil Sampling to Test for PCB Contamination, Georgetown Steam Plant/Bothell Substation	Report		Raven Systems and Research, Inc.		
42	11/1/1984	Raven 1984	1184	Work Authorization #84-6, Sampling at Georgetown Steam Plant Phase III	Plan		Raven Systems and Research, Inc.		
43	11/1/1984	Raven 1984	1185	Seattle City Light Work Order 84-9, Sampling to Test for PCB Contamination at the Georgetown Steam Plant Flume Phase IV	Report		Raven Systems and Research, Inc.		
44	11/1/1984	SCL 1984	2269	Slip 4/Georgetown Flume Monitoring	Report		SCL		

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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
45	11/8/1984	SCL 1984	1196	Georgetown PCB Meeting, 9 a.m., EPA, Region X Headquarters	Other				
46	11/13/1984	SCL 1984	1197	Enclosed Phase IV Sampling Plan, Work Authorization #84-9, PCB Testing at the Georgetown Steam Plant Flume	Letter	Croll, Timothy	Seattle City Light	Partridge, Margo	USEPA
47	11/19/1984	SCL 1984	2272	PCB Slip-Sampling of Sediment from Georgetown Flume	Data		SCL		
48	11/27/1984	Ecology 1984	2270	Potential Hazardous Waste Site Preliminary Assessment, Boeing North Field	Form	Morson, Barbara	JRB Associates		
49	1/8/1985	Raven 1985	2273	Flume Sample Location Map	Map		Raven Systems and Research, Inc.		
50	2/1/1985	SCL 1985	2271	Georgetown Steam Plant Area PCB Contamination Cleanup Plan	Plan		SCL		
51	2/6/1985	METRO 1985	1179	Analytical Data from November 1984 Georgetown Flume Samples	Data				
52	2/8/1985	SCL 1985	2275	Re: Georgetown Flume Drainage Mapping	Memo	Croll, Tim	SCL	Freitas, Bill	SCL
53	2/15/1985	Laucks 1985	2274	Sediment and water samples collected by Laucks from 10 sites within the Georgetown Flume (Draft Report)	Report	Runyan, Timothy	Laucks Testing Services		
54	2/21/1985	SCL 1985	1198	Sampling plan for low-lying area	Letter	Croll, Timothy	Seattle City Light	Brugger, Gary	Ecology
55	2/21/1985	Boeing 1985	2276	Re: Corrections in response to preliminary assessment memorandum, Georgetown Steam Plant	Letter	Saulsman, R.R.	Boeing	Spencer, M.	Ecology
56	2/26/1985	Ecology 1985	1132	Analysis of Duwamish Slip #4 Oil Samples	Memo	Schlender, Mike	Ecology	McCall, Merley	Ecology
57	2/26/1985	SCL 1985	1199	Map: Georgetown Steam Plant, Detention Basin Plastic Cover	Map	Croll, Timothy	Seattle City Light	Brugger, Gary	Ecology
58	3/25/1985	SCL 1985	2277	Re: Transmittal of Draft Plan for PCB Cleanup in Georgetown/North Boeing Field Area	Letter	Croll, Timothy	SCL	Thomson, Kirk	Boeing
59	4/1/1985	NBF 1985	2283	Storm Drain Map, northern portion of NBF	Map		Boeing		
60	4/2/1985	SCL 1985	4111	Re: Transformer Oil Burned at Lake Union Steam Plant and Georgetown Steam Plant	Memo	Cuplin, A.R.	SCL	Benson, Kris	
61	4/9/1985	Benson 1985	2278	Re: Cleanup plan for Georgetown area and flume	Telecon	Benson, Kris	SCL	Smukowski, David	Boeing
62	4/16/1985	Ecology 1985	1134	PCB Analysis of Duwamish Slip Number 4 Sediment Samples	Memo	Schlender, Mike	Ecology	Brugger, Gary	Ecology
63	4/23/1985	Boeing 1985	3224	NPDES Stormwater Discharge Permit Applications (North Boeing Field)	Letter	Diefenderfer, W.R.	Boeing	Thomas, Joan	Ecology
64	4/25/1985	SCL 1985	3200	Enclosed Seattle City Light draft clean-up plan for Georgetown Steam Plant and Flume	Letter	Croll, Timothy	Seattle City Light	Brugger, Gary	Ecology
65	5/20/1985	Raven 1985	1186	Seattle City Light Work Order 85-6, Georgetown Steam Plant Area PCB Sampling	Report		Raven Systems and Research, Inc.		
66	5/20/1985	SCL 1985	2279	Re: 5/15/85 Meeting with DOE + Boeing	Memo	Croll, Tim	SCL	File	
67	6/1/1985	Ecology 1985	1133	re: Georgetown PCB Cleanup	Letter	Brugger, Gary	Ecology	Croll, Timothy	Seattle City Light

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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
68	6/1/1985	SCL 1985	2280	Request for Proposal, Seattle City Light Georgetown Steam Plant, Cleanup of PCB-Contaminated Soil and Sediments	Plan		SCL		
69	7/31/1985	SCL 1985	3201	Oil spill containment and cleanup of Slip 4	Letter	Croll, Timothy	Seattle City Light	Brugger, Gary	Ecology
70	8/22/1985	SCL 1985	3202	Georgetown PCB Cleanup	Letter	Croll, Timothy	Seattle City Light	Brugger, Gary	Ecology
71	9/11/1985	Boeing 1985	2285	Re: Agreement with SCL to divert air compressor cooling water from GTSP Flume	Letter	Bies, J.W.	Boeing	Geissinger, Laurie	SCL
72	9/25/1985	SCL 1985	3203	Seattle City Light's Georgetown Steamplant Flume - P.M.#240429-1-302	Letter	Farr, Gary	Seattle City Light	Loutsis, Chris	King County
73	10/7/1985	METRO 1985	1180	Clarifications to Metro Permit No. 7180 for North Boeing Field	Letter	Lampe, John	METRO	Diefenderfer, W.R.	Boeing
74	11/14/1985	METRO 1985	1181	Building 3-404 Oil Separator at North Boeing Field	Letter	Piccolo, Vallana	METRO	Diefenderfer, W.R.	Boeing
75	11/25/1985	SCL 1985	148	Boeing cooling water discharge	Letter	Croll, Timothy	SCL	Thomson, Kirk	Boeing
76	1/27/1986	SCL 1986	3204	Georgetown PCB Cleanup	Letter	Croll, Timothy	Seattle City Light	Brugger, Gary	Ecology
77	2/3/1986	AB Consulting 1986	328	Seattle City Light Georgetown Steam Plant Soil Excavation and Sewerline Cleaning, Summary of Sampling and Analyses	Report		AB Consulting, Inc.		
78	2/7/1986	Boeing 1986	369	Request for Renewal and Revisions to Permit WA-000086-8	Letter	Cherberg, Clyde	Boeing	Thomas, Joan	Ecology
79	3/6/1986	Boeing 1986	370	Summary of investigations and conclusions of contamination in storm sewers at King County Airport and adjacent areas	Letter	Smukowski, David	Boeing	Samples, Tim	METRO
80	3/31/1986	Boeing 1986	371	North Boeing Field Spill Report	Letter	Cherberg, Clyde	Boeing	Peck, Norman	Ecology
81	5/27/1986	Boeing 1986	372	PCB-contaminated soils at North Boeing Field	Letter	McGarity, Mary Jane	Boeing	Cargill, Dan	Ecology
82	6/3/1986	Boeing 1986	373	North Boeing Field Spill Report	Letter	Wooten, James	Boeing	Peck, Norman	Ecology
83	7/16/1986	Boeing 1986	374	Re: May 27, 1986 letter from M. McGarity to D. Cargill, G-1780-MJM-239	Letter	Smukowski, David	Boeing	Cargill, Dan	Ecology
84	7/29/1986	Ecology 1986	1135	Re: Your ltr G-1780-MJM-334 of July 16, 1986 (PCBs near building 3-326)	Letter	Cargill, Dan	Ecology	Smukowski, David	Boeing
85	8/8/1986	Landau 1986	1436	Interim Report, Soil and Ground Water Contamination, F&G Slabs (Tanks BF-10 Through 17), North Boeing Field	Report	Enkeboll, William	Landau Associates	Smukowski, Dave	BE & C Engineers, Inc.
86	8/8/1986	Landau 1986	1437	Interim Report, Soil and Ground Water Contamination, Main Fuel Farm, North Boeing Field	Report	Enkeboll, William	Landau Associates	Smukowski, Dave	BE & C Engineers, Inc.
87	8/8/1986	Landau 1986	1438	Interim Report, Soil and Ground Water Contamination, Green Hornet Facility, North Boeing Field	Report	Enkeboll, William	Landau Associates	Smukowski, Dave	BE & C Engineers, Inc.
88	8/19/1986	Landau 1986	1439	Report on Hydrocarbon Contamination, Tanks NBF-28 and NBF-29 (Wind Tunnel Recovery Well), North Boeing Field	Report	Landau, Henry	Landau Associates	Smukowski, Dave	BE & C Engineers, Inc.
89	8/22/1986	Boeing 1986	375	Re: Your 29 July 86 letter to D. Smukowski	Letter	Smukowski, David	Boeing	Cargill, Dan	Ecology

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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
90	9/9/1986	Landau 1986	1440	Report of Soil and Ground Water Contamination, F&G Slabs (Tanks BF-10 Through 17), North Boeing Field	Report	Enkeboll, William	Landau Associates	Smukowski, Dave	BE & C Engineers, Inc.
91	9/9/1986	Landau 1986	1441	Report of Soil and Ground Water Contamination, Green Hornet Facility, North Boeing Field	Report	Enkeboll, William	Landau Associates	Smukowski, Dave	BE & C Engineers, Inc.
92	9/9/1986	Landau 1986	1442	Report of Soil and Ground Water Contamination, Main Fuel Farm, North Boeing Field	Report	Enkeboll, William	Landau Associates	Smukowski, Dave	BE & C Engineers, Inc.
93	12/8/1986	Ecology 1986	1136	Re: Transformer handling	Letter	Zuroske, Marie	Ecology	Becker, Walter	Eastern Electric Apparatus Repair Co.
94	12/22/1986	Boeing 1986	376	PCB results for sediment samples	Letter	Smukowski, David	Boeing	Samples, Tim	METRO
95	2/9/1987	Boeing 1987	377	Closure of Hydrocarbon Recovery Well System at The Fuel Test Facility on North Boeing Field	Letter	Wooten, James	Boeing	Peck, Norman	Ecology
96	2/27/1987	Galvin Flying Service 1987	1154	RE: Boeing Field Fuel Storage Fuel Spill on 2/25/87	Letter	Young, Deric	Galvin Flying Service	Baker, Craig	Ecology
97	3/5/1987	Ecology 1987	1137	Oil Spill, Boeing Field, Galvin Flying Service	Memo	Baker, Craig	Ecology	Peck, Norman	Ecology
98	5/5/1987	SCL 1987	2339	Re: Myrtle Street Site	Memo	Davison, Lynn	SCL	Farr, Gary	SCL
99	5/27/1987	Boeing 1987	378	Re-Routing of Compression Cooling Water, North Boeing Field	Letter	Cherberg, Clyde	Boeing	Peck, Norman	Ecology
100	6/19/1987	Raven 1987	2310	Seattle City Light Work Order #87-5, Testing: Georgetown Flume, Georgetown Steam Plant Ditch, Myrtle St. Property	Report		Raven Systems & Research, Inc.		
101	6/23/1987	Ecova 1987	2287	Re: Revised Table for Metals/Total Oil & Grease Analysis, Georgetown Underground Water Tank	Letter	McDonald, Marilyn	Ecova	Axelrod, Shirli	SCL
102	7/28/1987	Ecology 1987	1138	Re: Failure to Submit Engineering Report for the Industrial Wastewater Treatment Plant Building 3-369, North Boeing Field	Letter	Raad, Ali	Ecology	Cifra, Edward	Boeing
103	12/1/1987	CH2M Hill 1987	1415	Soil and Groundwater Investigation, North Boeing Field Fire Drill Pit, Boeing Commercial Airplane Company, Renton Division-Environmental Engineering	Report		CH2M Northwest		
104	12/17/1987	Ecology 1987	1139	Spill Report, Boeing N. Field	Form		Ecology		
105	1/14/1988	Raven 1988	1187	Seattle City Light Work Order #87-10, Analysis of Historic Sampling Results from Georgetown Steam Plant and Environs	Report		Raven Systems and Research, Inc.		
106	2/17/1988	Raven 1988	2302	Final Report, Seattle City Light Work Order #87-14, Georgetown Tank Sludge and Soil Testing	Report		Raven Systems & Research, Inc.		
107	2/18/1988	SCL 1988	3205	DNS on Georgetown Steam Plant Tank Removal	Letter	Axelrod, Shirli	Seattle City Light	Ritchie, Barbara	Ecology
108	2/19/1988	SCL 1988	3206	Cleaning and removal of underground storage tanks at the Georgetown Steam Plant	Letter	Axelrod, Shirli	Seattle City Light	Ashley, Laurence	Ecology
109	3/1/1988	Landau 1988	1443	Preliminary Report, Summary of Soil and Ground Water Information, North Boeing Field Facility, Seattle, Washington, Volume 2 of 2	Report		Landau Associates, Inc.		



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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
110	5/27/1988	Raven 1988	2288	Seattle City Light Work Order #88-7, Core Testing of the Georgetown Steam Plant Soil Pile	Report		Raven Services Corporation		
111	6/15/1988	Boeing 1988	379	Renewal of NPDES Permit WA-000086-8 Boeing, North Boeing Field	Letter	Cherberg, Clyde	Boeing	Peck, Norman	Ecology
112	6/21/1988	Boeing 1988	380	Asphalt Emulsion Discharge to Storm System at North Boeing Field	Letter	Cherberg, Clyde	Boeing	Peck, Norman	Ecology
113	7/27/1988	Boeing 1988	381	Request Approval to transfer Groundwater to pasture Land	Fax	Grime, Tom	Boeing	Peck, Norman	Ecology
114	9/14/1988	Ecology 1988	1140	Clearing Site for Boeing North Field area	Telecon	Koch, Richard	Ecology	Rogers, Bill	Earth Consultant
115	12/8/1988	Raven 1988	2305	Seattle City Light Work Order #87-12, Water Quality and Sediment Testing at the Georgetown Steam Plant Condenser Pit	Report		Raven Services Corporation		
116	12/15/1988	Raven 1988	2309	Seattle City Light Work Order #88-12, Sediment Sampling of the Georgetown Flume	Report		Raven Services Corporation		
117	1/30/1989	Boeing 1989	190	Boeing Comments on December 29, 1988 WDOE Owner/Operator Site Information for Boeing JP4 Tanks,, N-17-0021-010	Form		Boeing		
118	1/31/1989	Boeing 1989	382	Removal and replacement of 3 underground storage tanks	Letter	Cherberg, Clyde	Boeing	Coleman, Lynn	Ecology
119	3/10/1989	Ecology 1989	1141	NPDES Compliance Inspection Report, North Boeing Field, Permit Renewal Report	Form	Elardo, Pamela	Ecology	Koch, Richard	Ecology
120	3/10/1989	SCL 1989	2289	Re: Review of Ecology files	Notes		SCL		
121	3/17/1989	Ecology 1989	1142	Renewal of NPDES Permit No. WA-000086-8	Letter	Elardo, Pam	Ecology	Cherberg, Clyde	Boeing
122	3/27/1989	Pacific Testing Lab 1989	2291	Re: Contamination Testing of Soil, Georgetown Steam Plant	Letter	Dodson, Michael	Pacific Testing Laboratories		Wilder Construction
123	3/29/1989	GTI 1989	1419	Report of Subsurface Site Investigation, Study Area North Boeing Field, Proposed Location Building 3-380	Report		Groundwater Technology, Inc.		
124	4/24/1989	Ecova 1989	2338	Final Report, Environmental Audit for 1012 Myrtle Street Site, Seattle, Washington	Report		Ecova Corp.		
125	5/8/1989	USEPA 1989	2256	RE: December 28, 1988 and April 13, 1989 Environmental Protection Agency inspections	Letter	Haselberger, Gil	EPA	Smith, Donald	KCIA
126	5/30/1989	Boeing 1989	383	Renewal of NPDES Permit No. WA-000086-8, North Boeing Field	Letter	Cherberg, Clyde	Boeing	Elardo, Pam	Ecology
127	7/1/1989	Ecology 1989	2255	Fact Sheet, Boeing Commercial Airplanes, WA-000086-8, North Boeing Field, Seattle, Washington	Form	Elardo, Pam	Ecology		
128	8/1/1989	GTI 1989	1420	Subsurface Environmental Assessment, Building 3-369, North Boeing Field	Report		Groundwater Technology, Inc.		
129	8/23/1989	DNR 1989	1129	Sediment impacts to aquatic lands, Permit No. WA-000086-8	Letter	Jamison, David	DNR	Elardo, Pam	Ecology
130	9/12/1989	Boeing 1989	384	Comments to Proposed Draft NPDES Permit No. WA-000086-8	Letter	Babich, L.M.	Boeing	Elardo, Pam	Ecology
131	9/15/1989	Ecology 1989	1143	Final NPDES Permit No. WA-000086-8	Letter	Elardo, Pam	Ecology	Babich, L.M.	Boeing
132	10/3/1989	Boeing 1989	142	Underground Storage Tank (Tank X) - North Boeing Field, Bldg. 3-800	Letter	Bruno, Guy	Boeing	Hickey, Joseph	Ecology

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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
133	11/17/1989	Hart Crowser 1989	1428	Re: Verification of Site Remediation Activities, Proposed 3-800 Building Area	Tech Memo	Ferris, Scott	Hart Crowser	Bruno, Guy	Boeing
134	11/21/1989	Boeing 1989	141	Report of Underground Tank Discovery, 300 Gallon Steel, at North Boeing Field	Letter	Bruno, Guy	Boeing	Hickey, Joseph	Ecology
135	12/8/1989	Ecology 1989	1144	RE: NPDES Permit Issuance, Permit No. WA-000086-8, Facility: North Boeing Field, Expiration Date: December 7, 1994	Letter	Glynn, John	Ecology	Babich, L.M.	Boeing
136	1/3/1990	Ecology 1990	1145	Subject: NBF & Renton, sewer overflow from lift station	Telecon	Elardo, Pam	Ecology	Ramos, Janette	Boeing
137	1/9/1990	Hart Crowser 1990	1429	Re: Soil and Groundwater Quality Assessment, Proposed Flight Test and Delivery Center Building, North Boeing Field	Tech Memo	Horvitz, Gary	Hart Crowser	Bruno, Guy	Boeing
138	1/10/1990	Hart Crowser 1990	1430	Re: Underground Storage Tank Removal and Remediation Activities, Proposed 3-800 Building Area, North Boeing Field	Tech Memo	Galen, Tritt	Hart Crowser	Bruno, Guy	Boeing
139	1/17/1990	Boeing 1990	388	Classification of Steam Clean Underground Storage Tanks URE64 and URE65 at Renton, and UBF60 at North Boeing Field	Letter	Bruno, Guy	Boeing	Ashley, Laurence	Ecology
140	1/29/1990	Ecology 1990	1146	Discharge of propylene glycol de-icing fluid to storm sewer system	Letter	Elardo, Pam	Ecology	Cherberg, Clyde	Boeing
141	2/9/1990	Boeing 1990	905	Underground Concrete Structure - North Boeing Field, 3-800 Site	Letter	Babich, L.M.	Boeing	Hickey, Joseph	Ecology
142	2/15/1990	Ecology 1990	1147	Discharge of deicing fluid	Letter	Elardo, Pam	Ecology	Cherberg, Clyde	Boeing
143	3/1/1990	GTI 1990	1421	Report of Subsurface Site Investigation, Study Area North Boeing Field, Proposed Location Building 3-353	Report		Groundwater Technology		
144	3/8/1990	Boeing 1990	140	Underground Concrete Septic Tank - North Boeing Field, 3-800 Site	Letter	Lees, Cynthia	Boeing	Hickey, Joseph	Ecology
145	4/18/1990	Raven 1990	2341	Seattle City Light Work Order #89-18, Tank Inspection and Residue Testing at the Myrtle Street Property	Report		Raven Services Corp.		
146	5/1/1990	GTI 1990	1422	Report, Environmental Investigation, Building 3-380, North Boeing Field	Report		Groundwater Technology		
147	5/1/1990	City of Seattle 1990	2333	Re: United States v. The City of Seattle, et al., U.S. District Court Cause No. C90-395WD, Tender of Defense	Letter	Sidran, Mark	City of Seattle	Adelson, J.R.	Boeing
148	5/11/1990	METRO 1990	155	Permit Fact Sheet, NBF	Form	True, Christie	METRO		
149	5/11/1990	METRO 1990	156	Issuance of Wastewater Discharge Permit to Boeing Commercial Airplanes - North Boeing Field	Letter	Hulsizer, Elsie	METRO	Babich, L.M.	Boeing
150	5/21/1990	Boeing 1990	210	Applicability of Prevention of Significant Deterioration Permits to the Boeing Commercial Airplane Group - Renton Division, Proposed 3-380 Building Paint Hangar at North Boeing Field	Letter	Babich, L.M.	Boeing	Drabek, John	Ecology
151	5/25/1990	Raven 1990	2306	Seattle City Light Work Order #89-16, Excavated Soils Testing at the Georgetown Steam Plant	Report		Raven Services Corporation		

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152	5/29/1990	Boeing 1990	386	Re: NPDES Permit No. WA-000086-8, Schedule of Compliance, Non-Contact Cooling Water Reduction Report	Letter	Babich, L.M.	Boeing	Elardo, Pam	Ecology
153	6/1/1990	Landau 1990	1444	Final Report, Summary of Ground Water Information, North Boeing Field Facility, Seattle, Washington	Report		Landau Associated, Inc.		
154	6/4/1990	Ecology 1990	209	NBF Not a Major Air Source and PSD Review Not Required	Letter	Drabek, John	Ecology	Babich, L.M.	Boeing
155	6/8/1990	Landau 1990	1202	Final Report, Environmental Site Assessment, First Interstate Bank of Washington Property, Volume I of II	Report		Landau Associates, Inc.		
156	6/22/1990	Flores 1990	2332	Re: Georgetown Steamplant Legal Description	Memo	Flores, David		File	
157	7/16/1990	GTI 1990	1423	Report, Dead Tree Investigation, North Boeing Field	Report		Groundwater Technology		
158	7/17/1990	Quinn 1990	2300	Re: Georgetown Flume - FYI, Quarterly monitoring results	Memo	Quinn, Christy	SCL	Doherty, Mary Kay	SCL
159	7/18/1990	Raven 1990	2308	Seattle City Light Work Order #89-6, 1989 Monitoring of the Georgetown Flume (Winter Quarter)	Report		Raven Services Corporation		
160	7/23/1990	GTI 1990	1424	Report, Soil Sampling and Analyses, King County Airport Property, North Boeing Field	Report		Groundwater Technology		
161	8/7/1990	Hart Crowser 1990	1431	Re: Underground Storage Tank Removal, UBF-25, UBF-30, UBF-40 and UBF-61	Letter	Tritt, Galen	Hart Crowser	Bruno, Guy	Boeing
162	8/10/1990	GTI 1990	1156	Field and Laboratory Services Utilidor Project, North Boeing Field	Report		Groundwater Technology, Inc.		
163	8/16/1990	Boeing 1990	387	Discovery of Past Release - North Boeing Field, Blast Fence, Apron A, Utilidor Project	Letter	Bruno, Guy	Boeing	Abramson, Elin	Ecology
164	8/22/1990	Hart Crowser 1990	1432	Re: Underground Storage Tank UBF-60, In-Place Abandonment and Environmental Assessment, North Boeing Field	Letter	Ferris, Scott	Hart Crowser	Bruno, Guy	Boeing
165	8/31/1990	Boeing 1990	389	Discovery of Past Release - North Boeing Field, IDF Building Construction Excavation	Letter	Bruno, Guy	Boeing	Abramson, Elin	Ecology
166	10/12/1990	Hart Crowser 1990	1433	Re: Treatment of Diesel-Affected Soil, New Flight Test Center, North Boeing Field	Letter	Ferris, Scott	Hart Crowser	Bruno, Guy	Boeing
167	10/23/1990	Dames & Moore 1990	1416	Report of Geotechnical Investigation, Concourse "C" Flight Line Utilities Project, North Boeing Field, Seattle, Washington	Report		Dames & Moore		
168	11/1/1990	GTI 1990	1157	Soil Sampling and Analyses, Inlet Development Facility, North Boeing Field	Report	Pera, Lynn	Groundwater Technology, Inc.		
169	2/15/1991	Hart Crowser 1991	1435	Re: Removal of Solid Waste Management Unit, Concrete Underground Tank, Flight Test Center, North Boeing Field	Letter	Ferris, Scott	Hart Crowser	Bruno, Guy	Boeing
170	3/22/1991	Raven 1991	2307	Seattle City Light Work Order #90-6, 1990 Monitoring of the Georgetown Flume	Report		Raven Services Corporation		

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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
171	7/10/1991	GTI 1991	1425	Report, Water and Sediment Sampling and Analyses, Parking Lot Flumes, North Boeing Field Facility	Report		Groundwater Technology		
172	7/23/1991	GTI 1991	1426	Report, Soil and Groundwater Monitoring and Sampling Services, Building 3-369, North Boeing Field Facility	Report		Groundwater Technology		
173	8/12/1991	SEACOR 1991	3210	Pre-Construction Environmental Investigation, Proposed 3-801 Building Site, North Boeing Field	Report		SEACOR		
174	8/19/1991	Boeing 1991	149	Intent to Conduct Independent Action - Characterization and Remediation of Petroleum Impacted Soil at North Boeing Field, King County, WA	Letter	Babich, L.M.	Boeing	Rundlett, Mike	Ecology
175	9/4/1991	Ecology 1991	139	Initial Report/Followup - Concourse C	Form		Ecology		
176	9/11/1991	King County 1991	1165	Re: Pre-application Review of Bldg. 3-801 (Flight Test Engineering Lab), SEPA No. T-91-00085	Letter	Goldfinger, Joshua	King County	Crane, Paul	Boeing
177	9/30/1991	Ecology 1991	208	ERT System - Initial Report - Alkaline Cleaner Spill (Aquasol)	Form		Ecology		
178	10/2/1991	SEACOR 1991	1474	Soil Assessment Investigation, Flight Line Utilities Project, Concourse C, North Boeing Field	Report		SEACOR		
179	10/3/1991	SEACOR 1991	3211	Supplemental Pre-Construction Environmental Investigation, Proposed 3-801 Building Site, North Boeing Field	Report		SEACOR		
180	10/22/1991	Ecology 1991	207	ERT System - Initial Report - Hydraulic Oil Spill	Form		Ecology		
181	11/11/1991	GTI 1991	1158	Building 3-354 Preconstruction Environmental Assessment, North Boeing Field, Seattle, Washington	Report	Hudson, Kirk	Groundwater Technology, Inc.		
182	11/14/1991	King County 1991	1166	Re: Pre-application Review of Bldg. 3-801 (Flight Test Engineering Lab), SEPA No. T-91-00085	Letter	Goldfinger, Joshua	King County	Crane, Paul	Boeing
183	11/15/1991	Boeing 1991	390	Discovery of Past Release - North Boeing Field, Pre-construction Environmental Investigation, Proposed 3-354 Building Site	Letter	Bruno, Guy	Boeing	Hovde, Belinda	Ecology
184	11/25/1991	Ecology 1991	206	ERT System - Initial Report - AFFF Fire Retardant Spill	Form		Ecology		
185	11/27/1991	Boeing 1991	391	North Boeing Field, NPDES Permit No. WA-000086-8 (synthetic firefighting foam)	Letter	Ramos, Jenette	Boeing	Elardo, Pam	Ecology
186	12/3/1991	Boeing 1991	385	Status Report - Remediation of Petroleum Impacted Soil at North Boeing Field, King County, Washington	Letter	Babich, L.M.	Boeing	Hickey, Joseph	Ecology
187	12/3/1991	Boeing 1991	201	Status Report - Remediation of Petroleum Impacted Soil at North Boeing Field	Letter	Babich, L.M.	Boeing	Hickey, Joseph	Ecology
188	12/4/1991	Ecology 1991	205	ERT System - Initial Report - Jet Fuel Spill	Form		Ecology		
189	12/10/1991	Ecology 1991	204	ERT System - Initial Report - Jet Fuel Spill	Form		Ecology		
190	12/13/1991	Ecology 1991	138	Initial Report/Followup - UBF-2, UBF-3, UBF-4	Form		Ecology		
191	12/19/1991	GTI 1991	146	Report, Preconstruction Environmental Assessment, Building 3-840 Expansion, North Boeing Field, Seattle, WA	Report		Groundwater Technology, Inc.		

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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
192	12/19/1991	Ecology 1991	203	ERT System - Initial Report - Jet-A Fuel Spill	Form		Ecology		
193	1/13/1992	Boeing 1992	137	Underground Storage Tank Testing Program - North Boeing Field	Letter	Babich, L.M.	Boeing	Hickey, Joseph	Ecology
194	2/12/1992	Boeing 1992	392	North Boeing Field NPDES Permit WA-000086-8 Spill Report	Letter	Babich, L.M.	Boeing	Elardo, Pam	Ecology
195	2/14/1992	SEACOR 1992	3212	Pre-Construction Environmental Investigation, Proposed 7-027-1/2/3 and 3-360/361/365 Building Sites, North Boeing Field	Report		SEACOR		
196	2/21/1992	Boeing 1992	136	USTs at Fuel Test Facility and Green Hornet Area	Letter	Becker, Robert	Boeing	Hickey, Joseph	Ecology
197	3/9/1992	Boeing 1992	147	Discovery of Past Release - North Boeing Field, Pre-Construction Environmental Investigation - 3-840 Fire Station	Letter	Babich, L.M.	Boeing	Gallagher, Michael	Ecology
198	3/9/1992	GTI 1992	1427	Amended Report, Preconstruction Environmental Assessment, Building 3-840 Fire Station Expansion, North Boeing Field	Report		Groundwater Technology		
199	3/27/1992	Boeing 1992	393	Report of Independent Action - North Boeing Field Proposed Building 3-354	Letter	Babich, L.M.	Boeing	Gallagher, Michael	Ecology
200	4/16/1992	Ecology 1992	1148	ERT System - Initial Report/Followup, North Boeing Field (tank overflow)	Form		Ecology		
201	5/5/1992	SEACOR 1992	1475	Groundwater Monitoring and Sampling, Main Fuel Farm, North Boeing Field	Report		SEACOR		
202	5/6/1992	SEACOR 1992	1476	Groundwater Monitoring and Sampling, F&G Facility, North Boeing Field	Report		SEACOR		
203	5/6/1992	SEACOR 1992	1477	Groundwater Monitoring and Sampling, Green Hornet Area, North Boeing Field	Report		SEACOR		
204	5/27/1992	SCL 1992	3207	Interpretation of usage of transformer rinsate	Letter	Lin, Mingta	Seattle City Light	Cusack, Tom	Ecology
205	7/14/1992	SEACOR 1992	3213	Independent Cleanup Action Report, Flight Line Utilities Project, Concourse C North Boeing Field, Seattle, Washington	Report		SEACOR		
206	7/28/1992	Boeing 1992	135	Notice of Permanent Closure of Underground Storage Tanks, Green Hornet Wind Tunnel Facility, North Boeing Field	Letter	Babich, L.M.	Boeing	Dotson, Sheri	Ecology
207	8/1/1992	Ecology 1992	161	Washington Ranking Method, Route Scores Summary and Ranking Calculation Sheet	Form		Ecology		
208	8/5/1992	Boeing 1992	394	Independent Cleanup Action Report - Flight Line Utilities Project Concourse C, North Boeing Field, Seattle, Washington	Letter	Babich, L.M.	Boeing	Hickey, Joseph	Ecology
209	8/31/1992	SEACOR 1993	1478	Re: Monitoring and Sampling, F&G Facility, North Boeing Field	Letter	Gee, Lauren	SEACOR	Keller, Charles	Boeing
210	8/31/1992	SEACOR 1992	1479	Re: Monitoring and Sampling, Green Hornet Area, North Boeing Field	Letter	Gee, Lauren	SEACOR	Keller, Charles	Boeing
211	9/1/1992	SEACOR 1992	3214	Site Assessment, Main Fuel Farm, North Boeing Field, Seattle, Washington	Report		SEACOR		
212	9/17/1992	Raven 1992	2303	Seattle City Light Work Order #91-6, 1991 Monitoring of the Georgetown Flume	Report		Raven Services Corporation		

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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
213	9/18/1992	Ecology 1992	150	ERT Report: PCBs in Slip 4 Sediments	Form		Ecology		
214	9/23/1992	Boeing 1992	395	NPDES Permit No. WA-000086-8, North Boeing Field Facility	Letter	Babich, L.M.	Boeing	Elardo, Pam	Ecology
215	9/28/1992	Boeing 1992	396	NOI for North Boeing Field	Letter	Medzegian, James	Boeing	O'Brien, Ed	Ecology
216	10/2/1992	Ecology 1992	189	Memo to File - PCBs in Catch Basin Sediments at North Boeing Field	Letter	Peck, Norm	Ecology		
217	10/2/1992	Peck 1992	2257	Re: PCBs in catch basins at North Boeing Field	Memo	Peck, Norm	Ecology		
218	10/13/1992	SEACOR 1992	1480	Re: Monitoring and Sampling, F&G Facility, North Boeing Field	Letter	Gee, Lauren	SEACOR	Keller, Charles	Boeing
219	10/13/1992	SEACOR 1992	1481	Re: Monitoring and Sampling, Green Hornet Area, North Boeing Field	Letter	Gee, Lauren	SEACOR	Keller, Charles	Boeing
220	10/13/1992	SEACOR 1992	1482	Re: Monitoring and Sampling, Main Fuel Farm, North Boeing Field	Letter	Gee, Lauren	SEACOR	Keller, Charles	Boeing
221	10/26/1992	Landau 1992	185	Soil and Groundwater Investigation, Fire Training Center - North Boeing Field, King County Airport, Seattle, Washington	Report		Landau		
222	10/27/1992	SEACOR 1992	133	Operations Summary Report - Floating Non-Aqueous Phase Liquid Recovery System, Main Fuel Farm, North Boeing Field, Seattle	Report	Nagai, Gary	SEACOR		
223	11/1/1992	Landau 1992	1445	North Boeing Field Fire Training Facility, Cleanup Action Program	Report		Landau Associates, Inc.		
224	11/2/1992	Boeing 1992	134	Tank Removals and Remediation Plans for North Boeing Field Main Fuel Farm, Seattle, Washington	Letter	Babich, L.M.	Boeing	Hickey, Joseph	Ecology
225	12/2/1992	Landau 1992	183	Work Plan, Cleanup Action Program, North Boeing Field Fire Training Center, King County Airport, Seattle, Washington	Plan		Landau		
226	12/14/1992	SEACOR 1992	3215	Independent Soil Remedial Action Report, Flight Test Engineering Laboratory, 3-801 Building Location, North Boeing Field, Seattle, Washington	Report		SEACOR		
227	12/14/1992	SEACOR 1992	3216	Site Assessment Investigation, 3-800 Building, North Boeing Field	Report		SEACOR		
228	12/16/1992	Boeing 1992	397	Update Release Notification - North Boeing Field Fire Training Facility	Letter	Babich, L.M.	Boeing	Gallagher, Michael	Ecology
229	12/28/1992	Ecology 1992	1149	RE: Coverage Under the Storm Water Baseline General Permit No. SO3-000226	Letter	Krull, James	Ecology	Nelson, Joyce	Boeing
230	12/30/1992	Ecology 1992	165	Re: Independent Cleanup Action Report, North Boeing Field Fire Training Center, King County Airport, Seattle, WA	Letter	Bardy, Louise	Ecology	Babich, L.M.	Boeing
231	1/7/1993	SEACOR 1993	1483	Re: Well Abandonment, Bunker C Fuel Tanks BF-22 and BF-23 Adjacent to the 3-374 Building, North Boeing Field	Letter	Gee, Lauren	SEACOR	Anderson, Brian	Boeing
232	1/7/1993	SEACOR 1993	1485	Re: Fourth Quarter 1992 Well Monitoring and Sampling at the Green Hornet Area, North Boeing Field, Seattle, Washington	Letter	Rohwer, Klaus	SEACOR	Anderson, Brian	Boeing

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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
233	1/7/1993	SEACOR 1993	1486	Re: Four Quarter 1992 Well Monitoring and Sampling at the F&G Facility, North Boeing Field, Seattle, Washington	Letter	Rohwer, Klaus	SEACOR	Anderson, Brian	Boeing
234	1/11/1993	SEACOR 1993	1484	Re: Monitoring and Sampling, 3-800 Building North Boeing Field, Seattle, Washington	Letter	Rohwer, Klaus	SEACOR	Keller, Charles	Boeing
235	2/3/1993	King County 1993	182	Cleanup Action Report and SEPA Checklist for Grading Permit Application #3841-625 (L93G0015)	Letter	Talley, Donna	King County Building & Land Development Division	Corburn, Gail	Ecology
236	2/9/1993	Boeing 1993	398	Replacement Oil-Water Separator, North Boeing Field Fuel Farm	Letter	Babich, L.M.	Boeing	Fitzpatrick, Kevin	Ecology
237	2/10/1993	Ecology 1993	363	Draft SEPA Scoping for Grading Permit Application #3841-625, Boeing North Field Fire Training Pit	Letter	Colburn, Gail	Ecology	Talley, Donna	King County
238	2/10/1993	Ecology 1993	181	Draft SEPA Scoping for Grading Permit Application #3841-625, Boeing North Field Fire Training Pit	Letter	Colburn, Gail	Ecology TCP	Talley, Donna	King County Building and Land Development Division
239	3/11/1993	Boeing 1993	399	NPDES Permit No. WA-000086-8, North Boeing Field Facility (March 1 discharge of hot water)	Letter	Babich, L.M.	Boeing	Fitzpatrick, Kevin	Ecology
240	3/11/1993	Boeing 1993	432	NPDES Permit No. WA-000086-8, North Boeing Field Facilities (March 3 discharge of hot water)	Letter	Babich, L.M.	Boeing	Fitzpatrick, Kevin	Ecology
241	3/16/1993	SEACOR 1993	213	Supplemental Site Investigation, Building Group 7-027-1/2/3, North Boeing Field, Seattle, Washington	Report	Rohwer, Klaus	SEACOR	Anderson, Brian	Boeing
242	3/24/1993	Boeing 1993	200	Fiscal Year 1992 Year-End Hazardous Waste Reporting Requirements	Letter	Berkihiser, Elliott	Boeing	Smith, Barbara	Ecology
243	4/1/1993	SEACOR 1993	1487	Re: First Quarter 1993 Groundwater Monitoring and Sampling, F&G Facility, North Boeing Field, Seattle, Washington	Letter	Rohwer, Klaus	SEACOR	Anderson, Brian	Boeing
244	4/1/1993	SEACOR 1993	1488	Re: First Quarter 1993 Groundwater Monitoring and Sampling, Main Fuel Farm, North Boeing Field, Seattle, Washington	Letter	Rohwer, Klaus	SEACOR	Anderson, Brian	Boeing
245	4/1/1993	SEACOR 1993	1489	Re: Limited Subsurface Soil and Groundwater Assessment Investigation, Proposed Oil/Water Separator Location, 3-818 Building, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SEACOR	Anderson, Brian	Boeing
246	4/2/1993	SEACOR 1993	1490	Re: First Quarter 1993 Groundwater Monitoring and Sampling, Green Hornet Area, North Boeing Field, Seattle, Washington	Letter	Rohwer, Klaus	SEACOR	Anderson, Brian	Boeing
247	4/6/1993	Landau 1993	108	North Boeing Field Storm Drain System PCB Sampling	Report	Wilson, Julie	Landau Associates, Inc.	Ballbach, Dan	Perkins Coie
248	4/14/1993	Landau 1993	167	Data Report, Storm Drain System Cleanout, North Boeing Field, Seattle and Tukwila, Washington	Report		Landau Associates		
249	4/19/1993	Boeing 1993	443	Oil Water Separator, North Boeing Field Concourse B	Letter	Babich, L.M.	Boeing	Fitzpatrick, Kevin	Ecology



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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
250	4/30/1993	Boeing 1993	109	Reporting of an Independent Remedial Action Under MTCA	Letter	Babich, L.M.	Boeing	Gallagher, Michael	Ecology
251	5/4/1993	King County 1993	162	SEPA Determination of Nonsignificance for Boeing Fire Training Facility Closure, North Boeing Field	Form		King County		
252	5/10/1993	Boeing 1993	143	Transmittal of reports: Independent Soil Remedial Action Report Bldg 3-801 and Site Assessment Bldg 3-800	Letter	Babich, L.M.	Boeing	Gallagher, Michael	Ecology
253	5/11/1993	Landau 1993	1446	Re: Report of Supplemental Soil Investigation, Catchment Basins, North Boeing Field Fire Training Center, King County Airport, Seattle, Washington	Letter	Evans, William	Landau Associates, Inc.	Anderson, Brian	Boeing
254	5/18/1993	Ecology 1993	163	Comments on Determination of Nonsignificance for NBF Fire Training Facility	Letter	Ritchie, Barbara	Ecology	Dold, Ann	King County
255	5/19/1993	Ecology 1993	214	ERT System - Initial Report/Followup, King County Airport, 7300 East Marginal Way S	Form		Ecology		
256	5/20/1993	KCIA 1993	211	Groundwater Contamination, 7300 East Marginal Way S.	Letter	Winter, Jeffrey	KCIA	Glenn, Dorothy	Ecology
257	5/20/1993	SEACOR 1993	1491	Re: Monitoring Well Installation Report, Proposed Oil/Water Separator Location, Concourse B11, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SEACOR	Cleary, Scott	Boeing
258	5/21/1993	Ecology 1993	212	Underground Storage Tank Notice of Confirmed Release	Form		Ecology		
259	6/28/1993	SEACOR 1993	1492	Re: Second Quarter 1993 Groundwater Monitoring and Sampling, F&G Facility, North Boeing Field, Seattle, Washington	Letter	Rohwer, Klaus	SEACOR	Lords, Terri	Boeing
260	6/28/1993	SEACOR 1993	1493	Re: Second Quarter 1993 Groundwater Monitoring and Sampling, Main Fuel Farm, North Boeing Field, Seattle, Washington	Letter	Rohwer, Klaus	SEACOR	Lords, Terri	Boeing
261	6/28/1993	SEACOR 1993	1494	Site Assessment During the Decommissioning of Jet Fuel Tanks BF-07, BF-08 and BF-09, Green Hornet Area, North Boeing Field, Seattle, Washington	Report		SEACOR		
262	6/29/1993	SEACOR 1993	1495	Site Assessment During the Decommissioning of Jet Fuel Tanks BF-01, BF-02 and BF-03, Main Fuel Farm, North Boeing Field, Seattle, Washington	Report		SEACOR		
263	6/29/1993	SEACOR 1993	1496	Re: Well Abandonment, Monitoring Wells MW-2 and MW-4A, 3-801 Building, North Boeing Field, Seattle, Washington	Letter	Rohwer, Klaus	SEACOR	Lords, Terri	Boeing
264	7/13/1993	METRO 1993	157	Authorization to Discharge to the Sanitary Sewer	Letter	Wellner, Cynthia	METRO	Babich, L.M.	Boeing
265	8/5/1993	Landau 1993	1170	Report of Permanent Closure, Former Underground Storage Tank Near Fire Training Center, North Boeing Field, King County, Washington	Report	Evans, William	Landau Associates, Inc.	Anderson, Brian	Boeing
266	8/10/1993	Landau 1993	184	Independent Remedial Action Report, North Boeing Field Fire Training Center, King County Airport, Seattle, Washington	Report		Landau		

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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
267	8/18/1993	Boeing 1993	444	Independent Remedial Action - North Boeing Field Fire Training Facility	Letter	Babich, L.M.	Boeing	Gallagher, Michael	Ecology
268	8/25/1993	SEACOR 1993	1497	Re: Third Quarter 1993 Groundwater Monitoring and Sampling, F&G Facility, North Boeing Field, Seattle, Washington	Letter	Rohwer, Klaus	SEACOR	Lords, Terri	Boeing
269	8/27/1993	SEACOR 1993	1498	Re: Third Quarter 1993 Groundwater Monitoring and Sampling, Main Fuel Farm, North Boeing Field, Seattle, Washington	Letter	Rohwer, Klaus	SEACOR	Lords, Terri	Boeing
270	9/1/1993	SEACOR 1993	1500	Re: Third Quarter 1993 Groundwater Monitoring and Sampling, 3-360 Building Investigation Area, North Boeing Field, Seattle, Washington	Letter	Rohwer, Klaus	SEACOR	Lords, Terri	Boeing
271	9/8/1993	SEACOR 1993	1499	Re: Third Quarter 1993 Groundwater Monitoring and Sampling, 3-800 Building Investigation Area, North Boeing Field, Seattle, Washington	Letter	Rohwer, Klaus	SEACOR	Lords, Terri	Boeing
272	9/13/1993	Boeing 1993	445	North Boeing Field Storm Sewer Remediation Program, Landau Storm Drain Cleanout Report of April 14, 1993	Letter	Babich, L.M.	Boeing	Aitken, Judith	Ecology
273	12/27/1993	SEACOR 1993	1501	Re: Fourth Quarter 1993 Groundwater Monitoring and Sampling, 3-800 Building Investigation Area, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SEACOR	Lords, Terri	Boeing
274	12/27/1993	SEACOR 1993	1502	Re: Fourth Quarter 1993 Groundwater Monitoring and Sampling, F&G Facility, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SEACOR	Lords, Terri	Boeing
275	12/27/1993	SEACOR 1993	1503	Re: Fourth Quarter 1993 Groundwater Monitoring and Sampling, Main Fuel Farm, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SEACOR	Lords, Terri	Boeing
276	12/27/1993	SEACOR 1993	1504	Re: Fourth Quarter 1993 Groundwater Monitoring and Sampling, 3-360 Building Investigation Area, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SEACOR	Lords, Terri	Boeing
277	12/27/1993	SEACOR 1993	1505	Re: Abandonment of Five Groundwater Monitoring Wells at the Main Fuel Farm, 3-818 Building and Concourse B11, North Boeing Field, Seattle, Washington	Letter	Rohwer, Klaus	SEACOR	Lords, Terri	Boeing
278	3/9/1994	Boeing 1994	446	Storm Water Baseline General Permit, Permit Number SO3-000226 (oily water flow)	Letter	Babich, L.M.	Boeing	Elardo, Pam	Ecology
279	3/29/1994	Boeing 1994	447	North Boeing Field Facility, NPDES Permit Number WA-000086-8, Wastewater Permit Fee	Letter	Babich, L.M.	Boeing	Elardo, Pam	Ecology
280	4/13/1994	SEACOR 1994	145	Preclosure Site Assessment Investigation, F&G Facility, North Boeing Field, Seattle, WA	Report		SEACOR		
281	4/14/1994	SEACOR 1994	3217	Supplemental Site Assessment Investigation, Green Hornet Area, North Boeing Field, Seattle, Washington	Report		SEACOR		
282	4/15/1994	SEACOR 1994	180	Independent Soil Remedial Action, Green Hornet Area, North Boeing Field, Seattle, Washington	Report	Carroll, Lauren	SEACOR		

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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
283	4/15/1994	Boeing 1994	2346	Re: NPDES Permit Number WA-000086-8, Discharge Monitoring Report for January 1, 1994 through March 31, 1994	Letter	Babich, L.M.	Boeing	Elardo, Pam	Ecology
284	5/6/1994	Boeing 1994	448	NPDES Form 2F Sampling Proposal	Letter	Babich, L.M.	Boeing	Elardo, Pam	Ecology
285	5/11/1994	SEACOR 1994	1506	Re: First Quarter 1994 Groundwater Monitoring and Sampling, F&G Facility, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SEACOR	Lords, Terri	Boeing
286	5/11/1994	SEACOR 1994	1507	Re: First Quarter 1994 Groundwater Monitoring and Sampling, Green Hornet Facility, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SEACOR	Lords, Terri	Boeing
287	5/11/1994	SEACOR 1994	1508	Re: First Quarter 1994 Groundwater Monitoring and Sampling, 3-360 Building Investigation Area, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SEACOR	Lords, Terri	Boeing
288	5/11/1994	SEACOR 1994	1509	Re: First Quarter 1994 Groundwater Monitoring and Sampling, Main Fuel Farm, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SEACOR	Lords, Terri	Boeing
289	5/11/1994	SEACOR 1994	1510	Re: First Quarter 1994 Groundwater Monitoring and Sampling, 3-800 Building Investigation Area, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SEACOR	Lords, Terri	Boeing
290	5/12/1994	Boeing 1994	144	Document transmittal: Preclosure sit assessment F&G facility, Supplemental site assessment Green Hornet Area, Independent soil remedial action Green Hornet Area	Letter	Babich, L.M.	Boeing	Hickey, Joseph	Ecology
291	5/12/1994	Ecology 1994	1150	Re: Request for Permit Modification North Boeing Field	Letter	Elardo, Pam	Ecology	Babich, L.M.	Boeing
292	5/18/1994	Boeing 1994	449	NPDES Permit Number WA-000086-8, Boeing Commercial Airplane Group, North Boeing Field Facility (expiration)	Letter	Babich, L.M.	Boeing	Elardo, Pam	Ecology
293	6/2/1994	Ecology 1994	1151	Re: Temperature Limitations for North Boeing Field, Outfall 001	Letter	Elardo, Pam	Ecology	Babich, L.M.	Boeing
294	6/17/1994	Boeing 1994	450	NPDES Permit Number WA-000086-8, Rain Erosion Facility Discharge	Letter	Babich, L.M.	Boeing	Elardo, Pam	Ecology
295	6/28/1994	Landau 1994	188	Final Report, North Boeing Field Fire Training Center, King County Airport, Seattle, Washington	Report		Landau		
296	7/6/1994	Boeing 1994	187	Transmittal of Final Report - NBF Fire Training Facility	Letter	Babich, L.M.	Boeing	Gallagher, Michael	Ecology
297	7/19/1994	Boeing 1994	451	NPDES Permit Number WA-000086-8, 3-369 Discharge to Storm Sewer	Letter	Babich, L.M.	Boeing	Elardo, Pam	Ecology
298	7/20/1994	Ecology 1994	198	ERT System - Initial Report/Followup - NBF Outfall near Slip 4	Form		Ecology		
299	8/4/1994	Ecology 1994	151	Re: Re-ranking of Boeing North Field	Letter	Gallagher, Michael	Ecology	Babich, Mike	Ecology
300	8/4/1994	Boeing 1994	452	Aqueous Film Forming Foam (AFFF) Discharge July 20, 1994, North Boeing Field F&G Fuel Slabs	Letter	Babich, L.M.	Boeing	Elardo, Pam	Ecology
301	8/15/1994	Ecology 1994	186	ERT System - Initial Report/Followup - NBF Fire Training Facility	Form		Ecology		

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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
302	8/15/1994	SEACOR 1994	1511	Re: Second Quarter 1994 Groundwater Monitoring and Sampling, Green Hornet Facility, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SEACOR	Lords, Terri	Boeing
303	8/15/1994	SEACOR 1994	1512	Re: Second Quarter 1994 Groundwater Monitoring and Sampling, Main Fuel Farm, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SEACOR	Lords, Terri	Boeing
304	8/15/1994	SEACOR 1994	1513	Re: Second Quarter 1994 Groundwater Monitoring and Sampling, F&G Facility, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SEACOR	Lords, Terri	Boeing
305	8/15/1994	SEACOR 1994	1514	Re: Second Quarter 1994 Groundwater Monitoring and Sampling, 3-800 Building Investigation Area, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SEACOR	Lords, Terri	Boeing
306	8/15/1994	SEACOR 1994	1515	Re: Second Quarter 1994 Groundwater Monitoring and Sampling, 3-360 Building Investigation Area, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SEACOR	Lords, Terri	Boeing
307	9/1/1994	SEACOR 1994	1516	Investigation to Locate, Abandon, and Replace Three Monitoring Wells at the 3-800 Building, North Boeing Field, Seattle, Washington, Boeing Commercial Airplane Group	Report		SEACOR		
308	10/6/1994	Boeing 1994	453	NPDES Permit Number WA-000086-8, Discharge Monitoring Report for July 1 through September 30, 1994	Letter	Babich, L.M.	Boeing	Elardo, Pam	Ecology
309	10/21/1994	SECOR 1994	1517	Re: Third Quarter 1994 Groundwater Monitoring and Sampling, 3-800 Building Investigation Area, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SECOR	Lords, Terri	Boeing
310	10/21/1994	SECOR 1994	1518	Re: Third Quarter 1994 Groundwater Monitoring and Sampling, Green Hornet Facility, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SECOR	Lords, Terri	Boeing
311	10/21/1994	SECOR 1994	1519	Re: Third Quarter 1994 Groundwater Monitoring and Sampling, 3-360 Building Investigation Area, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SECOR	Lords, Terri	Boeing
312	10/21/1994	SECOR 1994	1520	Re: Third Quarter 1994 Groundwater Monitoring and Sampling, Main Fuel Farm, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SECOR	Lords, Terri	Boeing
313	10/24/1994	SECOR 1994	1521	Preliminary Site Assessment Investigation, Proposed 3-333 Building Fuel Test Laboratory, North Boeing Field, Seattle, Washington	Report		SECOR		
314	10/25/1994	SEACOR 1994	153	Report for UST Decommissioning Site Assessment and Monitoring Well Abandonment, F&G Facility, North Boeing Field, Seattle, WA	Report		SEACOR		
315	11/7/1994	SECOR 1994	3218	Site Assessment and Independent Soil Cleanup Action During the Decommissioning of an Oil/Water Separator, Main Fuel Farm, North Boeing Field	Report		SECOR		
316	11/14/1994	SECOR 1994	1522	Preliminary Site Assessment Investigation, 3-301 Building, North Boeing Field, Seattle, Washington	Report		SECOR		

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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
317	11/15/1994	METRO 1994	169	Permit Renewal Application for North Boeing Field	Letter	Wellner, Cynthia	METRO	Knutson, Doug	Ecology
318	11/21/1994	Boeing 1994	454	NPDES 2F Submittal, NPDES Permit Number WA-000086-8	Letter	Babich, L.M.	Boeing	Elardo, Pam	Ecology
319	11/22/1994	SECOR 1994	3219	Site Assessment During the Decommissioning of Underground Storage Tanks BF-22 and BF-23, 3-374 Building, Boeing Commercial Airplane Group, North Boeing Field	Report		SECOR		
320	12/7/1994	Boeing 1994	455	NPDES Permit No. WA-000086-8, North Boeing Field (no renewal)	Letter	Babich, L.M.	Boeing	Elardo, Pam	Ecology
321	1/24/1995	Ecology 1995	1152	NPDES Compliance Inspection Report, North Boeing Field	Form	Elardo, Pam	Ecology	Fitzpatrick, Kevin	Ecology
322	1/30/1995	Boeing 1995	903	MTC Release Report and Report of Independent Cleanup Action, North Boeing Field Boiler Fuel Tanks UBF-22 and UBF-23, Building 3-374, Seattle, Washington	Letter	Babich, L.M.	Boeing	Gallagher, Michael	Ecology
323	1/30/1995	Boeing 1995	456	MTC Release Report, North Boeing Field Building 3-333 Site, Seattle, Washington	Letter	Babich, L.M.	Boeing	Gallagher, Michael	Ecology
324	2/8/1995	Boeing 1995	457	NPDES 2F Submittal Follow-Up, NPDES Permit Number WA-000086-8	Letter	Babich, L.M.	Boeing	Elardo, Pam	Ecology
325	2/16/1995	SECOR 1995	1524	Supplemental Site Assessment Investigation, Proposed 333 Building Fuel Test Laboratory, North Boeing Field, Seattle, Washington	Report		SECOR		
326	2/21/1995	SECOR 1995	1525	Re: Fourth Quarter 1994 Groundwater Monitoring and Sampling, Green Hornet Facility, North Boeing Field, Seattle, Washington	Letter		SECOR		
327	2/21/1995	SECOR 1995	1526	Monitoring Well Installation Report, Main Fuel Farm, North Boeing Field, Seattle, Washington	Report		SECOR		
328	2/21/1995	SECOR 1995	1527	Re: Fourth Quarter 1994 Groundwater Monitoring and Sampling, Main Fuel Farm, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SECOR	Lords, Terri	Boeing
329	2/22/1995	SECOR 1995	1528	Re: Fourth Quarter 1994 Groundwater Monitoring and Sampling, 3-800 Building Investigation Area, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SECOR	Lords, Terri	Boeing
330	2/22/1995	SECOR 1995	1529	Re: Fourth Quarter 1994 Groundwater Monitoring and Sampling, 3-360 Building Investigation Area, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SECOR	Lords, Terri	Boeing
331	2/24/1995	Boeing 1994	199	1994 Annual Dangerous Waste Report - North Boeing Field	Form		Boeing		
332	4/13/1995	SECOR 1995	1530	Re: First Quarter 1995 Groundwater Monitoring and Sampling, 3-800 Building Investigation Area, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SECOR	Lords, Terri	Boeing
333	4/13/1995	SECOR 1995	1531	Re: First Quarter 1995 Groundwater Monitoring and Sampling, Main Fuel Farm, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SECOR	Lords, Terri	Boeing

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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
334	4/13/1995	SECOR 1995	1532	Re: First Quarter 1995 Groundwater Monitoring and Sampling, 3-360 Building Investigation Area, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SECOR	Lords, Terri	Boeing
335	4/13/1995	SECOR 1995	1533	Re: First Quarter 1995 Groundwater Monitoring and Sampling, Green Hornet Facility, North Boeing Field, Seattle, Washington	Letter	Gieber, John	SECOR	Lords, Terri	Boeing
336	4/26/1995	METRO 1995	158	METRO Permit Fact Sheet, Boeing North Field, Permit No. 7594	Form	Wellner, Cynthia	METRO		
337	5/10/1995	METRO 1995	159	Issuance of Wastewater Discharge Permit No. 7594 to Boeing Commercial Airplane Group by the King County Department of Metropolitan Services (METRO)	Letter	True, Christie	METRO	Babich, L.M.	Boeing
338	5/17/1995	Boeing 1995	458	NOI Renewal for Baseline General Permit Number SO3-000226	Letter	Medzegian, James	Boeing	Krull, James	Ecology
339	8/31/1995	SECOR 1995	1534	Second Quarter 1995 Groundwater Monitoring and Sampling, 3-360 Building Investigation Area, North Boeing Field, The Boeing Company, Seattle, Washington	Report		SECOR		
340	8/31/1995	SECOR 1995	1535	Second Quarter 1995 Groundwater Monitoring and Sampling, Main Fuel Farm, North Boeing Field, The Boeing Company, Seattle, Washington	Report		SECOR		
341	8/31/1995	SECOR 1995	1536	Monitoring Well Installation Report, 3-360 Building, North Boeing Field, The Boeing Company, Seattle, Washington	Report		SECOR		
342	9/28/1995	Boeing 1995	459	NPDES Form 2F - Non Stormwater Discharge Certification Statement, NPDES Permit Number WA-000086-8	Letter	Babich, L.M.	Boeing	Elardo, Pam	Ecology
343	10/24/1995	SECOR 1995	1537	September 1995 Groundwater Monitoring and Sampling, Green Hornet Facility North Boeing Field, The Boeing Company, Seattle, Washington	Report		SECOR		
344	11/21/1995	SECOR 1995	1538	September 1995 Groundwater Monitoring and Sampling, 3-360 Building Investigation Area, North Boeing Field, The Boeing Company, Seattle, Washington	Report		SECOR		
345	11/21/1995	SECOR 1995	1539	September 1995 Groundwater Monitoring and Sampling, Main Fuel Farm, North Boeing Field, The Boeing Company, Seattle, Washington	Report		SECOR		
346	11/21/1995	SECOR 1995	1540	September 1995 Groundwater Monitoring and Sampling, 3-800 Building, North Boeing Field, The Boeing Company, Seattle, Washington	Report		SECOR		
347	12/8/1995	SECOR 1995	1541	Re: September 1995 Groundwater Monitoring and Sampling, 3-333 Building, North Boeing Field, Seattle, Washington	Letter	Dell'Agnese, Daniel	SECOR	Jackson, C. Alan	Boeing
348	1/10/1996	Ecology 1996	175	Re: Stormwater Baseline General Permit SO3000226, North Boeing Field	Letter		Ecology		
349	2/6/1996	Ecology 1996	176	Telecon re: spill at NBF	Telecon		Ecology	Turner, Doris	Boeing

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350	2/9/1996	SECOR 1996	1542	Additional Subsurface Assessment Investigation, 3-360 Building, North Boeing Field, Seattle, Washington	Report		SECOR		
351	2/22/1996	SECOR 1996	3220	Work Plan, Independent Soil Cleanup Action, Proposed 3-333 Building Location, North Boeing Field, Seattle, Washington	Plan		SECOR		
352	4/1/1996	Boeing 1996	460	North Boeing Field NPDES Permit Number SO300226, Stormwater Baseline General Permit for Industrial Activity (spill report)	Letter	Babich, L.M.	Boeing	DeVitt, Ron	Ecology
353	4/24/1996	Williamson & Associates 1996	1551	Re: Boeing 3-360 Building, Parking Lot, Seattle, WA, Geophysical Investigation	Letter	Redman, Kevin	Williamson & Associates	Dellagnese, Dan	Secor International
354	6/5/1996	SECOR 1996	1543	March 1996 Groundwater Monitoring and Sampling, 3-360 Building Investigation Area, North Boeing Field, The Boeing Company, Seattle, Washington	Report		SECOR		
355	6/11/1996	SECOR 1996	1544	March 1996 Groundwater Monitoring and Sampling, 3-800 Building, North Boeing Field, The Boeing Company, Seattle, Washington	Report		SECOR		
356	6/12/1996	SECOR 1996	1545	March 1996 Groundwater Monitoring and Sampling, Main Fuel Farm, North Boeing Field, The Boeing Company, Seattle, Washington	Report		SECOR		
357	7/2/1996	SECOR 1996	3221	Independent Soil Cleanup Action Report, Proposed 3-333 Building Location, North Boeing Field, Seattle, Washington	Report		SECOR		
358	7/5/1996	SECOR 1996	1546	March 1996 Groundwater Monitoring and Sampling, Green Hornet Facility, North Boeing Field, the Boeing Company, Seattle, Washington	Report		SECOR		
359	7/5/1996	SECOR 1996	1547	March 1996 Groundwater Monitoring and Sampling, 3-333 Building, North Boeing Field, The Boeing Company, Seattle, Washington	Report		SECOR		
360	8/22/1996	King County 1996	160	Notice of Violation - pH	Letter	Wellner, Cynthia	King County	Babich, L.M.	Boeing
361	9/10/1996	Boeing 1996	197	Unmanifested Dangerous Waste Report (Form 6)	Letter	Medzegian, J.V.	Boeing		Ecology
362	10/3/1996	SECOR 1996	1548	Oil/Water Separator Preconstruction Assessment, Boeing Commercial Airplane Group, North Boeing Field, Seattle, Washington	Report		SECOR		
363	11/1/1996	Hart Crowser 1996	202	Geotechnical Engineering Design Study and soil and Groundwater Quality Assessment, Proposed HHI Aircraft Hangar, Seattle, Washington	Report		Hart Crowser		
364	11/26/1996	Boeing 1996	461	Transmittal of INDEPENDENT SOIL CLEANUP ACTION REPORT, PROPOSED 3-333 BUILDING LOCATION, NORTH BOEING FIELD, SEATTLE, WA by SECOR International, Inc.	Letter	Babich, L.M.	Boeing	Gallagher, Michael	Ecology



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365	2/1/1997	Weston 1997	1550	3-830, 3-831 and 3-832 Buildings Preconstruction Investigation Report, North Boeing Field, Seattle/Tukwila, Washington	Report		Roy F. Weston		
366	2/10/1997	Equipoise 1997	1418	Re: Independent Soil Cleanup Action, Building 3-333, North Boeing Field, Seattle, Washington	Letter	Rohwer, Klaus	Equipoise Corporation	Hudelson, Peter	Boeing
367	5/20/1997	Boeing 1997	462	Best Management Practice (BMP) for the 3-369 WWTP	Letter	Karich, S.T.	Boeing	DeVitt, Ron	Ecology
368	5/29/1997	Ecology 1997	178	Proposed BMP for the 3-369 WWTP, SO3-000226	Letter	Devitt, Ron	Ecology	Karich, S.T.	Boeing
369	8/8/1997	AGI 1997	1413	Supplemental Investigation/Cleanup Action Plan, Proposed West Wing 3-333 Building Fuel Test Laboratory, North Boeing Field, Seattle, Washington	Report		AGI Technologies		
370	8/19/1997	KCIA 1997	231	Comments to proposed contaminated soils agreement	Fax	Winter, Jeff	KCIA	Killinger, Kathryn	King County
371	9/9/1997	Winter 1997	223	Additional 8000 cubic yards of contaminated soil from Hangar Holdings	Email	Winter, Jeffery	KCIA	Stewart, Cynthia	KCIA
372	9/15/1997	KCIA 1997	224	Additional Soils Work - Hangar Holdings	Letter	Winter, Jeffery	KCIA	Graves, Jeff	Vulcan Northwest
373	10/6/1997	Hangar Holdings 1997	220	Contaminated Soils Agreement between Hangar Holdings, Inc. and KCIA	Report		Hangar Holdings		
374	11/25/1997	Foster Pepper & Shefelman 1997	230	Re: Contaminated Soils Agreement	Letter	Delaney, Joseph	Foster Pepper & Shefelman	Winter, Jeff	KCIA
375	1/8/1998	AGI 1998	329	Remedial Action Report, Proposed West Wing 3-333 Building Fuel Test Laboratory, North Boeing Field, Seattle, Washington	Report		AGI Technologies		
376	1/8/1998	AGI 1998	330	Site Investigation, Oil/Water Separator UBF-55, North Boeing Field, Seattle, Washington	Report		AGI Technologies		
377	1/8/1998	AGI 1998	2537	Supplemental Investigation, Proposed West Wing 3-333 Building Fuel Test Laboratory, North Boeing Field, Seattle, Washington	Report		AGI Technologies		
378	1/29/1998	Ecology 1998	179	NBF Spill Report	Form		Ecology		
379	2/7/1998	Stewart 1998	225	Stockpiling of contaminated soil - north portion of KCIA	Email	Stewart, Cynthia	KCIA	Winter, Jeffery	KCIA
380	2/24/1998	Boeing 1998	463	Transmittal of Supplemental Investigation Report, and Remedial Action Report, Proposed West Wing 3-333 Building Fuel Test Laboratory	Letter	Babich, L.M.	Boeing	Gallagher, Michael	Ecology
381	3/23/1998	Olympus 1998	232	Olympus Proposal for Stockpile Sampling, Phase One	Letter	Bonter, Jim	Olympus Environmental	Winter, Jeffery	KCIA
382	4/16/1998	Olympus 1998	221	Sample Results for North Stockpile	Report	Bonter, Jim	Olympus Environmental	Winter, Jeff	KCIA
383	4/30/1998	Boeing 1998	485	MTCA Release Report Transmittal, Building 3-326 Vicinity	Letter	Babich, L.M.	Boeing	Gallagher, Michael	Ecology
384	5/5/1998	Ecology 1998	226	Handwritten notes re: Phase 2 sampling results - Hangar Holdings soil stockpile area	Notes		Ecology		

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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
385	5/5/1998	Olympus 1998	229	Transmittal of data for Phase Two samples from north stockpiles	Report	Bonter, Jim	Olympus Environmental	Winter, Jeff	KCIA
386	5/6/1998	Olympus 1998	227	Sampling North Stockpiles, Phase One - KCIA (Phase Two results)	Report	Bonter, Jim	Olympus Environmental	Winter, Jeff	KCIA
387	5/18/1998	Boeing 1998	196	3-369 Building Bulging Drum Incident - May 4, 1981998, WDOE Incident Report Number N29283	Letter	Babich, L.M.	Boeing	Hohmann, J. David	Ecology
388	8/25/1998	Boeing 1998	193	3-369 Building Fire, WDOE Incident Report Number N505835, Extension Request	Letter	Barnett, Y.Y.	Boeing	Hohmann, J. David	Ecology
389	9/14/1998	Boeing 1998	901	Petroleum Contamination at North Boeing Field, Seattle, WA	Letter	Babich, L.M.	Boeing	Skog, Carla	Ecology
390	11/10/1998	Boeing 1998	195	3-313 Building Bulging Drum Incident - October 27, 2998, WDOE Incident Report Number N500714	Letter	Babich, L.M.	Boeing	Hohmann, J. David	Ecology
391	11/13/1998	Stewart 1998	228	Questions re: North soil piles	Email	Stewart, Cynthia	KCIA	Winter, Jeffery	KCIA
392	11/25/1998	Landau 1998	1447	Soil and Groundwater Data, North Boeing Field, Seattle, Washington	Report		Landau Associates, Inc.		
393	12/14/1998	Ecology 1998	152	Incident Report - Galvin Flying Service	Form		Ecology		
394	12/31/1998	HWA 1998	2301	Georgetown Steam Plant Flume Sediment Sampling, Seattle, Washington	Report		HWA GeoSciences, Inc.		
395	1/15/1999	AGI 1999	1414	Soil Removal Report, 3-335 Building, North Boeing Field, Seattle, Washington	Report		AGI Technologies		
396	1/20/1999	Boeing 1999	491	North Boeing Field NPDES Permit Number SO3000226, Stormwater Baseline General Permit for Industrial Activity (diesel spill)	Letter	Babich, L.M.	Boeing	DeVitt, Ron	Ecology
397	8/24/1999	KCIA 1999	234	Northeast T-Hangars Site Cleanup	Letter	Colmant, Michael	KCIA	Wang, Ching-ti	Ecology
398	8/26/1999	Ecology 1999	192	Dangerous Waste Compliance Checklist	Form	Hohmann, J. David	Ecology		
399	9/13/1999	Boeing 1999	194	3-369 Building Fire, WDOE Incident Report Number N505835, Description of Incident	Letter	Babich, L.M.	Boeing	Hohmann, J. David	Ecology
400	1/10/2000	Boeing 2000	191	Dangerous Waste Compliance Inspection at Boeing, North Boeing Field WAD980982037, on August 26, 1999	Letter	Babich, L.M.	Boeing	Hohmann, J. David	Ecology
401	5/8/2000	Boeing 2000	492	Request for Renewal of Coverage Under the General Permit to Discharge Stormwater Associated with Industrial Activity - Permit Number SO3-000226	Letter	Babich, L.M.	Boeing	Matlock, Linda	Ecology
402	11/18/2000	Ecology 2000	1153	North Boeing Field - NWRO, SO3-000226, Industrial Stormwater General Permit	Permit				
403	12/18/2000	Bridgewater Group 2000	1124	Preliminary Assessment for the Seattle City Light Georgetown Steam Plant	Report		Bridgewater Group, Inc.		
404	12/27/2000	CDM 2000	1128	Site Investigation, Building 3-304 Demolition, North Boeing Field, Seattle, Washington	Report		CDM		
405	3/21/2001	Landau 2001	1171	Concrete Expansion Joint Material Field Mapping, North Boeing Field, Seattle, Washington	Report		Landau Associates, Inc.		
406	3/22/2001	Landau 2001	1172	Sampling and Analysis, Concrete Joint Material, North Boeing Field, Seattle, Washington	Report		Landau Associates, Inc.		

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407	5/21/2001	Landau 2001	1173	Draft Report, April 2001 Sampling Investigation, Concrete Expansion Joint Material, North Boeing Field, Seattle, Washington	Report		Landau Associates, Inc.		
408	8/1/2001	KCIA 2001	110	KCIA/Boeing Field Revised Draft Master Plan	Plan		KCIA		
409	9/6/2001	Ecology 2001	215	Early Notice Letter, Site #59377658, Air National Site, 7277 Perimeter Rd., Seattle, WA 98108-3844, Tax Parcel #2824049007	Letter	Colburn, Gail	Ecology		King County
410	9/17/2001	Boeing 2001	1078	Management of Concrete Joint Material Containing Polychlorinated Biphenyls (PCB), at Boeings' North Boeing Field Facility	Letter	Keller, Charles	Boeing	Duncan, Dan	USEPA
411	9/18/2001	SPU 2001	1826	Business Inspection Checklist, Galvin Flying	Form	Bassett, Tasha	SPU		
412	9/25/2001	SPU 2001	1827	Results from the September 18th 2001 stormwater pollution prevention inspection: No action required	Letter	Bassett, Tasha	SPU	Cheney, Jay	Galvin Flying Service
413	12/14/2001	CDM 2001	123	Soil Assessment, Building 3-304, North Boeing Field, Seattle, Washington	Report		Camp Dresser & McKee Inc.		
414	3/29/2002	Bridgewater Group 2002	1125	Phase II Site Assessment Results for the Georgetown Steam Plant	Report		Bridgewater Group		
415	4/3/2002	Boeing 2002	1120	Washington - Plant 2/Boeing Field	Map		Boeing		
416	4/18/2002	Landau 2002	1448	Report, Phase I Environmental Site Assessment, Markov Property, Seattle, Washington	Report		Landau Associates, Inc.		
417	5/20/2002	PSCAA 2002	103	Air Operating Permit No. 21147, Expiration Date May 20, 2007, North Boeing Field / Plant 2	Permit		PSCAA		
418	6/7/2002	Landau 2002	1454	Report, Interim Remedial Action, North Boeing Field 3-360 Building, Seattle, Washington	Report		Landau Associates		
419	7/29/2002	Landau 2002	1455	Report, Soil and Groundwater Investigation, North Boeing Field, Former Building 3-360, Seattle, Washington	Report		Landau Associates, Inc.		
420	11/8/2002	Landau 2002	1470	Removal of Concrete Joint Material - August 2002, North Boeing Field, Seattle, Washington	Report	Hendrickson, Kris	Landau Associates, Inc.	Bach, Carl	Boeing
421	3/17/2003	Landau 2003	1471	Re: Monitoring Well Installation and Analytical Results, 3-360 Building Area, North Boeing Field	Letter	Hendrickson, Kristy	Landau Associates, Inc.	Bach, Carl	Boeing
422	1/15/2004	SEA 2004	3209	Lower Duwamish Waterway Slip 4 Early Action Area, Summary of Existing Information and Identification of Data Gaps	Report		Striplin Environmental Associates, Inc.		USEPA
423	6/29/2004	Landau 2004	1472	Re: 2003 Removal of Concrete Joint Material, North Boeing Field, Seattle, Washington	Letter	Hendrickson, Kris	Landau Associates, Inc.	Bach, Carl	Boeing
424	7/6/2004	Boeing 2004	1121	North Boeing Field NPDES Permit Number SO3000226, 3-335 Fuel Test Facility AFFF Release to Duwamish	Letter	Verhaar, Michael	Boeing	Seeburger, Don	Ecology
425	9/15/2004	PSE Environmental 2004	2315	Phase I Environmental Site Assessment, Georgetown Steam Plant Permanent Access Easement, King County International Airport	Report		PSE Environmental, Inc.		
426	9/16/2004	Cargill 2004	1126	Bank samples and flume monitoring	Telecon	Cargill, Dan	Ecology	Goldberg, Jennie	Seattle City Light
427	9/17/2004	Landau 2004	1174	RE: Stormwater Filtration and Initial Testing Results, PCB Source Investigation, North Boeing Field	Memo	Kalmar, Joe	Landau Associates, Inc.	Bach, Carl	Boeing

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428	11/12/2004	Boeing 2004	1122	Application for Renewal, King County Department of Natural Resources Wastewater Discharge Permit, The Boeing Company North Boeing Field Facility	Form	Corvi, Carolyn	Boeing		KCIW
429	1/20/2005	Landau 2005	1473	Re: 2004 Removal of Concrete Joint Material, North Boeing Field, Seattle, Washington	Letter	Hendrickson, Kris	Landau Associates, Inc.	Bach, Carl	Boeing
430	1/31/2005	Schmoyer 2005	1189	RE: Sediment Traps at Slip 4	Email	Schmoyer, Beth	SPU	Bach, Carl	Boeing
431	2/24/2005	Boeing 2005	102	Re: Technical Memorandum - 2004 Removal of Concrete Joint Material at North Boeing Field	Letter	Rogers, Rudolph	Boeing	Duncan, Dan	EPA
432	3/2/2005	King County 2005	1167	King County Industrial Waste Field Inspection Report, Boeing - North Field	Form	Badger, Barbara	King County		
433	3/25/2005	King County 2005	1168	King County Industrial Waste Company Fact Sheet - Boeing Commercial Airplane, North Field	Form				
434	3/25/2005	King County 2005	1169	Draft of Permit No. 7594-03	Letter	Badger, Barbara	King County	Jenkins, Mark	Boeing
435	4/6/2005	Cargill 2005	107	Removal of PCB caulk at NBF	Telecon	Cargill, Dan	Ecology		
436	4/8/2005	Bach 2005	101	Re: North Boeing Field Storm Drain Sample Results	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
437	4/12/2005	SPU 2005	1846	Re: Blog Plan: KC Maint. Facility (maps)	Fax	Treat, Tanya	SPU	Smith, Barbara	Ecology
438	4/27/2005	Treat 2005	1839	KC Maint Facility	Email	Treat, Tanya	SPU	Renaud, Rick	KCIA
439	4/29/2005	Ecology 2005	104	PCBs in expansion joint compounds at airfields	Letter	Cargill, Dan	Ecology	Pendowski, Jim	Ecology
440	7/6/2005	SPU 2005	1840	Joint Inspection Program, Lower Duwamish Waterway: KC Maintenance Facility	Form	Treat, Tanya	SPU		
441	7/8/2005	SPU 2005	1835	Results from July 6, 2005 stormwater pollutin prevention inspection: Corrective action required	Letter	Treat, Tanya	SPU	Renaud, Rick	KCIA
442	7/13/2005	Ecology 2005	1837	RE: Delinquent Dangerous Waste Compliance Certificate (KCIA)	Letter	Smith, Barbara	Ecology	Salazar, Raleigh	KCIA
443	8/17/2005	KCIA 2005	1843	RE: Delinquent Dangerous Waste Compliance Certificate	Letter	Tonsgard, Patricia	KCIA	Smith, Barbara	Ecology
444	8/22/2005	Ecology 2005	1588	Re: Slip 4 Upland Soil and Sediment PCB Investigation	Letter	Becker, Sunny Lin	Ecology	Keeley etc.	EPA
445	9/9/2005	Cargill 2005	106	Removal of PCB caulk at NBF	Telecon	Cargill, Dan	Ecology	Bach, Carl	Boeing
446	9/16/2005	Bach 2005	342	RE: Storm Drain Analytical Data	Email	Bach, Carl	Boeing	Schmoyer, Beth	SPU
447	9/16/2005	Schmoyer 2005	1190	Slip 4 sed trap data - mislabeled station	Email	Schmoyer, Beth	SPU	Cargill, Dan	Ecology
448	10/21/2005	Bach 2005	119	Catch basin data - May/June 2005	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
449	10/21/2005	Bach 2005	350	RE: NBF May & June Catch Basin Data	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
450	11/3/2005	Renaud 2005	105	KCIA Lot 12 catch basin sediment and concrete joint compound sampling results	Email	Renaud, Rick	KCIA	Flint, Kris	EPA
451	11/10/2005	SPU 2005	1836	Results from the pollution prevention re-inspection: In Compliance	Letter	Treat, Tanya	SPU	Renaud, Rick	KCIA
452	11/16/2005	Boeing 2005	1123	Lower Duwamish Waterway Source Control Information Request, Slip 4 Early Action Drainage Basin	Letter	Bach, Carl	Boeing	Cargill, Dan	Ecology
453	12/5/2005	Bach 2005	111	Soil sampling along GTSP fenceline	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology

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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
454	12/5/2005	ARI 2005	112	Analytical results - NBF catch basin filter sample; NBF 025082 (Filter), ARI Job IT45	Report	Lucas, Stephanie	Analytical Resources, Inc.	Kalmar, Joe	Landau Associates, Inc.
455	12/5/2005	ARI 2005	113	NBF Soil Samples; Source Evaluation NBF 025082.093 November 2005, Job: IT66	Report	Lucas, Stephanie	Analytical Resources, Inc.	Kalmar, Joe	Landau Associates, Inc.
456	12/6/2005	Cargill 2005	114	Email to WorkGroup Re: NBF Source Control	Email	Cargill, Dan	Ecology	SCWG	
457	12/6/2005	Cargill 2005	1127	RE: North Boeing Field Source Control Investigation	Email	Cargill, Dan	Ecology	Schmoyer, Beth	SPU
458	12/7/2005	Bach 2005	115	NBF soil sampling locations	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
459	12/8/2005	Bach 2005	116	Soil sample coordinates	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
460	12/16/2005	Ecology 2005	55	Stormwater Compliance Inspection Report, North Boeing Field; SO3000226	Report	Stegman, Greg	Ecology		
461	12/20/2005	Bach 2005	117	MH8B (now MH247)	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
462	1/6/2006	Bach 2006	118	Transformers at GTSP	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
463	2/10/2006	Integral 2006	1159	Lower Duwamish Waterway, Slip 4 Early Action Area, EE/CA - Appendix B: Summary of City of Seattle and King County Source Control Activities in the Slip 4 Drainage Basin	Report		Integral Consulting, Inc.		
464	3/8/2006	Bach 2006	351	North Boeing Field Flume Re-routing	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
465	3/13/2006	Keller 2006	1163	NBF sweep sampling	Email	Keller, Charles	Boeing	Cargill, Dan	Ecology
466	3/15/2006	Keller 2006	1164	RE: NBF sweep sampling	Email	Keller, Charles	Boeing	Cargill, Dan	Ecology
467	3/30/2006	Goldberg 2006	1155	RE: Preliminary Assessment - copy of Ecology letter, History of Willow Substation	Email	Goldberg, Jennie	Seattle City Light	Cargill, Dan	Ecology
468	3/30/2006	Landau 2006	1175	2005 Removal of Concrete Joint Material, North Boeing Field, Seattle, Washington	Memo		Landau Associates, Inc.		
469	4/3/2006	ARI 2006	2304	Re: NBF Source Evaluation, ARI JOB JE20	Report	Lucas, Stephanie	Analytical Resources, Inc.	Kalmar, Joe	Landau Associates
470	4/6/2006	Bach 2006	120	Results of filter and catch basin sampling	Email	Bach, Carl	Boeing	Schulze, Wanda	City of Seattle
471	4/20/2006	Bach 2006	354	RE: Georgetown Steam Plant (catch basin filters)	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
472	5/1/2006	HWA 2006	784	Phase I Environmental Site Assessment, Slip 4 Upland Area, Seattle, Washington	Report		HWA GeoSciences		
473	5/2/2006	ARI 2006	332	Analytical Results for Project: Source Evaluation NBF PCB Investigation / 025082; ARI Job: JH28	Data	Lucas, Stephanie	Analytical Resources, Inc.	Kalmar, Joe	Landau Associates, Inc.
474	5/4/2006	Bach 2006	362	RE: JH28 NBF PCB Investigation	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
475	5/4/2006	Bach 2006	364	RE: Duwamish Slip 4 SCAP review	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
476	5/4/2006	SCL 2006	3208	Investigation of PCB contamination at Georgetown Steam Plant	Letter	Schulze, Wanda	Seattle City Light	Duncan, Daniel	USEPA
477	5/8/2006	Bach 2006	365	1954 NBF Drawing	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
478	5/12/2006	Schmoyer 2006	1191	north boeing field (map)	Email	Schmoyer, Beth	SPU	Cargill, Dan	Ecology
479	6/8/2006	Integral 2006	1160	Georgetown Steam Plant, January 2006 Soil Sampling	Report		Integral Consulting, Inc.		
480	6/16/2006	Renaud 2006	1188	FW: KCIA - 06/06/06 to 06/09/06 Sampling - PCB Results	Email	Renaud, Rick	KCIA	Cargill, Dan	Ecology
481	6/20/2006	Bach 2006	121	North drain line adjacent to City Light	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
482	6/28/2006	Bach 2006	122	North drain line - CB173 sample	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology

## Appendix A: Documents Reviewed

No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
483	7/1/2006	Ecology 2006	29	Lower Duwamish Waterway, Source Control Action Plan for the Slip 4 Early Action Area, Publication No. 06-09-046	SCAP	Cargill, Dan	Ecology		
484	7/14/2006	Ecology 2006	343	Stormwater Compliance Inspection Report, North Boeing Field	Form	Stegman, Greg	Ecology		
485	7/24/2006	HWA 2006	355	Phase II Environmental Site Assessment, Slip 4 Upland Area, 7400 8th Avenue South	Report		HWA Geosciences, Inc.		
486	8/1/2006	SAIC 2006	100	Soil and Groundwater Screening Criteria, Source Control Action Plan, Slip 4, Lower Duwamish Waterway	Report		SAIC		
487	8/4/2006	Integral 2006	1161	Interim Remedial Action Completion Report, Georgetown Steam Plant, Seattle, Washington	Report		Integral Consulting, Inc.		
488	8/11/2006	ARI 2006	2319	Re: NBF PCB Investigation 025082, ARI Job: JQ51	Letter	Bottem, Kelly	Analytical Resources, Inc.	Kalmar, Joe	Landau Associates, Inc.
489	8/18/2006	Bach 2006	124	North Boeing Field Source Control Update	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
490	8/18/2006	ARI 2006	2325	Re: NBF PCB Investigation 025082, ARI Job: JQ75	Letter	Bottem, Kelly	ARI	Kalmar, Joe	Landau Associates, Inc.
491	8/21/2006	Bach 2006	125	Re: North Boeing Field Source Control Update	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
492	8/25/2006	Tiffany 2006	126	June 2006 SW Vault Sediment Sampling Data	Email	Tiffany, Bruce	KCIA	Cargill, Dan	Ecology
493	8/25/2006	Cargill 2006	127	Coprostanol in SW Vaults	Email	Cargill, Dan	Ecology	Bach, Carl	Boeing
494	8/25/2006	Bach 2006	130	Sampling of storm drain structures and cleanout of north drain line	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
495	8/25/2006	Tiffany 2006	129	Biosolids truck washing	Email	Tiffany, Bruce	KCIA	Cargill, Dan	Ecology
496	8/25/2006	Bach 2006	128	June 2006 SW Vault Sediment Sampling Data - OWS-186	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
497	9/8/2006	Bach 2006	308	North Boeing Field storm drain sampling results	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
498	9/20/2006	Bach 2006	309	Updated storm drain solids table with additional sample	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
499	9/21/2006	Landau 2006	3243	Table 1, Storm Drain Solid Material, North Boeing Field; table and figures	Other		Landau Associates		
500	9/28/2006	Bach 2006	311	March 2006 Sediment Trap Data	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
501	10/2/2006	Renaud 2006	312	KCIA Caulk Sample Result	Email	Renaud, Rick	KCIA	Cargill, Dan	Ecology
502	10/2/2006	Integral 2006	356	Addendum to Completion Report, GTSP Interim Action	Report		Integral Consulting		
503	10/10/2006	Schmoyer 2006	313	Slip 4 sediment trap data table	Email	Schmoyer, Beth	SPU	Cargill, Dan	Ecology
504	10/11/2006	Bach 2006	314	Updated sediment trap data etc.	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
505	10/12/2006	Schmoyer 2006	315	Slip 4 sediment trap data table (revised)	Email	Schmoyer, Beth	SPU	Cargill, Dan	Ecology
506	10/18/2006	KCDNRP 2006	316	KCIA Slip 4 Early Action Site Source Control, Monitoring Report - June 2006 Stormwater Vault Sediment Sampling	Report		KCDNRP		
507	11/8/2006	Bach 2006	319	OWS-186	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
508	11/8/2006	Bach 2006	320	Update re: OWS-186	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology

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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
509	11/12/2006	EFI Global 2006	1417	Underground Storage Tank Temporary Closure Extension Site Assessment, North Boeing Field, Seattle, Washington	Report		EFI Global		
510	11/15/2006	Bach 2006	323	Work plan for NBF storm line reroute around OWS-186	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
511	11/15/2006	Bach 2006	324	North Boeing Field Update	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
512	11/17/2006	ARI 2006	2329	Re: NBF PCB Investigation 0025082.094.092, ARI Job: KA63	Letter	Bottem, Kelly	ARI	Kalmar, Joe	Landau Associates, Inc.
513	11/21/2006	Integral 2006	3472	Soil Boring and First Quarter (Summer 2006) Groundwater Monitoring Report, Georgetown Steam Plant, Seattle, Washington.	Report		Integral Consulting, Inc.		
514	11/21/2006	Bach 2006	326	Cumulative storm drain sediment trap table	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
515	12/1/2006	Rosewater 2006	3033	Seattle Public Utilities Georgetown Flume, Drainage Improvement Project, Preliminary Engineering Report	Report		Rosewater Engineering		
516	12/4/2006	ARI 2006	2326	Re: NBF PCB Investigation 02508.094, ARI Job: KF85	Letter	Bottem, Kelly	ARI	Kalmar, Joe	Landau Associates, Inc.
517	12/5/2006	Bach 2006	327	Samples from catch basins draining to OWS-186	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
518	12/18/2006	Kalmar 2006	335	Preliminary storm drain sampling data	Email	Kalmar, Joe	Landau Associates	Bach, Carl	Boeing
519	12/18/2006	ARI 2006	361	NBF soil samples - storm drain line reroute	Report	Bottem, Kelly	Analytical Resources Inc.	Kalmar, Joe	Landau Associates
520	12/19/2006	Cargill 2006	334	Re: Storm drain PCB data	Email	Cargill, Dan	Ecology	Goldberg, Jennie	Seattle City Light
521	12/19/2006	Bach 2006	336	Catch basin and manhole sampling - December 2006	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
522	12/19/2006	ARI 2006	341	Sample results - NBF Catch Basin and Manhole Sampling	Report	Bottem, Kelly	Analytical Resources, Inc.		
523	12/21/2006	Kalmar 2006	338	Timeline of storm drain sampling and cleaning activities	Email	Kalmar, Joe	Landau Associates	Cargill, Dan	Ecology
524	12/21/2006	Landau 2006	2328	Storm Drain Cleaning - August 2006, North Boeing Field	Other		Landau Associates, Inc.		
525	12/22/2006	Kalmar 2006	337	Updated NBF storm drain maps	Email	Kalmar, Joe	Landau Associates	Cargill, Dan	Ecology
526	1/5/2007	Bach 2007	339	Concrete joint sealant compounds	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
527	1/6/2007	SPU 2007	340	Round 3 sediment trap data	Data		SPU		
528	1/9/2007	ARI 2007	357	Sediment Trap Data: KK92-SPU, Duwamish - Slip 4	Data		Analytical Resources Inc.		
529	1/10/2007	ARI 2007	358	NBF PCB Investigation Data Report - KK75	Letter	Bottem, Kelly	Analytical Resources Inc.	Kalmar, Joe	Landau Associates
530	1/11/2007	Bach 2007	352	Round 4 sediment trap data	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
531	1/12/2007	Schmoyer 2007	353	Round 4 sediment trap data	Email	Schmoyer, Beth	SPU	Cargill, Dan	Ecology
532	1/25/2007	ARI 2007	2327	Re: North Boeing Field 025082, ARI Job: KL08	Letter	Bottem, Kelly	ARI	Kalmar, Joe	Landau Associates, Inc.



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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
533	2/1/2007	SAIC 2007	54	North Boeing Field and Georgetown Steam Plant: Summary of Existing Information and Identification of Data Gaps	Data Gaps		SAIC		
534	2/1/2007	SAIC 2007	2991	Lower Duwamish Waterway Slip 4, Technical Memorandum: Status of Slip 4 Source Control	Report		SAIC		
535	2/1/2007	Herrick et al. 2007	2360	Soil Contamination from PCB-Containing Buildings	Report	Herrick, Robert F.	Harvard School of Public Health		
536	2/13/2007	Goldberg 2007	344	Groundwater testing at GTSP	Email	Goldberg, Jennie	SCL	Cargill, Dan	Ecology
537	2/13/2007	Schmoyer 2007	346	Smoke testing of Georgetown flume	Telecon	Schmoyer, Beth	SPU	Cargill, Dan	Ecology
538	2/13/2007	Schmoyer 2007	347	SPU inspections	Telecon	Schmoyer, Beth	SPU	Cargill, Dan	Ecology
539	2/13/2007	Bach 2007	348	Caulk recontamination	Telecon	Bach, Carl	Boeing	Cargill, Dan	Ecology
540	2/13/2007	Renaud 2007	349	Catch basin and oil/water separator cleaning	Telecon	Renaud, Rick	KCIA	Cargill, Dan	Ecology
541	2/16/2007	Landau 2007	360	NBF - Soil Evaluation in Area of Storm Drain Line Reroute	Report	Hendrickson, Kris	Landau Associates	Bach, Carl	Boeing
542	2/16/2007	Landau 2007	3251	Storm Drain Video Investigation, North Boeing Field - Seattle, Washington	Report	Lopez, Mario	Landau Associates	Bach, Carl	Boeing
543	2/22/2007	Goldberg 2007	345	2nd quarter groundwater monitoring at GTSP	Email	Goldberg, Jennie	SCL	Cargill, Dan	Ecology
544	2/28/2007	Integral 2007	2330	Re: Second Quarter (November 2006) Groundwater Monitoring Report, Georgetown Steam Plant, Seattle, Washington	Letter	Wodzicki, Stefan	Integral Consulting, Inc.	Schulze, Wanda	SCL
545	3/1/2007	Boeing 2007	2746	North Boeing Field Stormwater Pollution Prevention Plan, Permit #SO3000226	Plan		Boeing		
546	3/20/2007	Landau 2007	2098	Sampling and Analysis Plan, Soil Investigation, North Boeing Field, Seattle, Washington	Plan		Landau		
547	4/13/2007	Landau 2007	2118	Results from Stormwater Filtration and PCB/Mercury Testing, North Boeing Field	Data		Landau Associates		
548	4/16/2007	Landau 2007	2362	PCB Storm Drain Solids Maps (Figures 4-1a through 4-1d)	Map		Landau Associates		
549	4/26/2007	Landau 2007	3471	Report: Soil Investigation, North Boeing Field, Seattle, Washington	Report		Landau Associates		
550	5/22/2007	Landau 2007	2363	PCB Concentrations in Soil, North portion of NBF	Map		Landau Associates		
551	5/30/2007	Integral 2007	3242	Re: Third Quarter (February 2007) Groundwater Monitoring Report, Georgetown Steam Plant, Seattle, Washington	Letter	Wodzicki, Stefan	Integral Consulting, Inc.	Schulze, Wanda	SCL
552	6/8/2007	Bach 2007	3023	Re: NBF Catch Basin Results Near 3-333 Bldg	Email	Bach, Carl	Boeing	Edens, Mark	Ecology
553	6/13/2007	Bach 2007	3020	Re: PCBs in Soil Map	Email	Bach, Carl	Boeing	Edens, Mark	Ecology
554	6/13/2007	Bach 2007	3024	Re: Storm Drain Replacement Photos	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
555	6/15/2007	KCIA 2007	2110	King County International Airport, Policy and Procedure: Response to Spills	Plan		KCIA		
556	6/20/2007	Bach 2007	3018	Re: Storm Drain Line Replacement at NBF	Email	Bach, Carl	Boeing	Edens, Mark	Ecology

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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
557	7/1/2007	Ecology 2007	21	Lower Duwamish Waterway Source Control Status Report, 2003 to June 2007. Publication No. 07-09-064.	Report		Ecology		
558	7/12/2007	Bach 2007	3017	Re: North Boeing Field Storm Drain Replacement Update	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
559	7/16/2007	Goldberg 2007	2337	Re: LF26-Georgetown Flume groundwater sample results	Email	Goldberg, Jennie	SCL	Cocks, Greg	
560	8/8/2007	Edens 2007	3043	Re: North Boeing Field/Georgetown Steam Plant RI/FS Scope of Work, Schedule and Cost Estimate	Email	Edens, Mark	Ecology	Alexander, Steve	Ecology
561	8/17/2007	Edens 2007	3032	Re: Slip 4 construction schedule	Email	Edens, Mark	Ecology	Goldberg, Jennie	SCL
562	8/30/2007	Bach 2007	3038	Re: May sediment trap data	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
563	8/31/2007	Bach 2007	3048	Re: May sediment trap data - data table	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
564	9/1/2007	SPU 2007	2136	Geotechnical Report: Georgetown Flume Drainage Improvements, Seattle, Washington	Report		SPU Materials Laboratory		
565	9/7/2007	Bach 2007	3016	Re: North Boeing Field CB-173 Storm Drain Replacement Update	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
566	10/1/2007	Goldberg 2007	3035	Re: Seattle vs Boeing Complaint	Email	Goldberg, Jennie	SCL	Cargill, Dan	Ecology
567	10/2/2007	Bach 2007	3045	Re: May sediment trap data figure	Email	Bach, Carl	Boeing	Edens, Mark	Ecology
568	10/2/2007	Cargill 2007	3049	Re: May sediment trap data - high PCBs	Email	Cargill, Dan	Ecology	Keeley, Karen	Ecology
569	10/5/2007	Tiffany 2007	3044	Re: May sediment trap data - errors in Boeing figure	Email	Tiffany, Bruce	King County	Cargill, Dan	Ecology
570	10/9/2007	Edens 2007	3031	Re: Comments on Georgetown Steam Plant Flume Removal and Drainage Project	Email	Edens, Mark	Ecology	Schulze, Wanda	City of Seattle
571	10/29/2007	Bach 2007	3050	Re: North Boeing Field Sediment Traps	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
572	10/30/2007	Bach 2007	3052	Re: North Boeing Field Sediment Traps - Slip-lining of concrete pipe	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
573	10/31/2007	Schmoyer 2007	3046	Re: PCB Storm Drain Solids Table thru August 2006	Email	Schmoyer, Beth	SPU	Cargill, Dan	Ecology
574	11/7/2007	Bach 2007	3053	Re: Sediment trap data map	Email	Bach, Carl	Boeing	Edens, Mark	Ecology
575	11/14/2007	Landau 2007	3022	Re: Stormwater System Line Replacement, North Boeing Field, June to September 2007	Memo	Hendrickson, Kris	Landau Associates	Bach, Carl	Boeing
576	11/14/2007	Bach 2007	3021	Re: Stormline replacement soil memo & sed trap figure	Email	Bach, Carl	Boeing	Edens, Mark	Ecology
577	11/15/2007	Bach 2007	3019	Re: NBF Storm Line Replacement/Reline Map	Email	Bach, Carl	Boeing	Edens, Mark	Ecology
578	11/16/2007	Bach 2007	3025	Re: PCB data in sediment traps	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
579	11/16/2007	Integral 2007	3241	Re: Draft Fourth Quarter (May 2007) Groundwater Monitoring Report, Georgetown Steam Plant, Seattle, Washington	Letter	Wodzicki, Stefan	Integral Consulting, Inc.	Geissinger, Laurie	SCL
580	11/27/2007	Edens 2007	3040	Re: Comments on Draft AO and Draft SOW for NBF-GTSP	Email	Edens, Mark	Ecology	Cargill, Dan	Ecology
581	11/28/2007	Stern 2007	3041	Re: Comments on draft Agreed Order and Scope of Work on North Boeing Field	Email	Stern, Jeff	King County	Edens, Mark	Ecology
582	12/14/2007	Bach 2007	3026	Re: NBF Update - storm drain work	Email	Bach, Carl	Boeing	Edens, Mark	Ecology
583	12/18/2007	Bach 2007	3027	Re: Sampling at OWS-186	Email	Bach, Carl	Boeing	Edens, Mark	Ecology
584	12/20/2007	Bach 2007	3036	Re: NBF Tables - Storm Drain Sediment Trap Data	Email	Bach, Carl	Boeing	Edens, Mark	Ecology

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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
585	12/20/2007	Edens 2007	3042	Re: Update on North Boeing Field/Georgetown Steam Plant (NBF/GTSP)	Email	Edens, Mark	Ecology	Warren, Bob	Ecology
586	1/28/2008	Herrera 2008	2151	100% Design Report, Georgetown Flume	Report		Herrera Environmental Consultants		
587	2/1/2008	City of Seattle 2008	3181	Determination of Nonsignificance (DNS) - Cleanup and replacement of Georgetown Steam Plant Flume	Form		City of Seattle		
588	2/1/2008	Ecology 2008	3179	Georgetown Steam Plant Flume Clean up and Replacement, Seattle, WA	Fact Sheet		Ecology		
589	2/1/2008	SCL 2008	3180	Environmental (SEPA) Checklist, Georgetown Flume Remediation and Drainage Project	Form	Schulze, Wanda	SCL		
590	2/1/2008	Ecology 2008	3162	Georgetown Steam Plant Flume Clean up and Replacement, Seattle, WA	FactSheet		Ecology		
591	3/3/2008	Bach 2008	3154	Re: NBF Storm Drain Replacement/Lining/Cleaning Maps and Project Update	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
592	3/4/2008	Edens 2008	3151	Re: GTSP Flume Letter	Email	Edens, Mark	Ecology	Warren, Bob	Ecology
593	5/1/2008	Ecology 2008	65	Lower Duwamish Waterway Source Control Status Report, July 2007 to March 2008. Publication No. 08-09-063.	Report		Ecology		
594	5/27/2008	Thomas 2008	3258	Re: NBF and Native Americans	Email	Thomas, Richard	Ecology	Edens, Mark	Ecology
595	7/3/2008	Ecology 2008	3425	North Boeing Field/Georgetown Steam Plant Agreed Order No. DE 5685	Order		Ecology		
596	7/9/2008	Schmoyer 2008	2071	Re: CB sampling in streets in Georgetown area adjacent to NBF	Email	Schmoyer, Beth	SPU	Cargill, Dan	Ecology
597	7/14/2008	King County 2008	3250	Drift Mitigated Determination of Non-Significance for Boeing Company Hangars - B08C0033	Form		King County		
598	7/18/2008	Perlman 2008	3259	Re: SEPA Threshold Determination and Notice of Decision for Boeing Fabric Hangar building permit	Email	Perlman, Alex	King County	Bach, Carl	Boeing
599	8/13/2008	SCL 2008	3424	Re: Revised GTSP Flume Outfall Work Plan, Slip 4 Early Action Area	Letter	Goldberg, Jennie	Seattle City Light	Keeley, Karen	USEPA
600	8/25/2008	Bach 2008	3418	Re: Slip 4 NBF Sediment Trap Results for July 30	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
601	8/31/2008	Ecology 2008	3412	North Boeing Field/Georgetown Steam Plant; Site Investigation Documents Ready for Public Review; Publication No. 08-09-064	Fact Sheet		Ecology		
602	9/3/2008	Bach 2008	3447	Re: NBF Sediment Trap Data Table through 7/30/08	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
603	9/3/2008	Bach 2008	3400	Re: NBF Sediment Trap Data Table through 7/30/08	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
604	9/8/2008	Exponent 2008	2046	Sampling and Analysis Plan: Investigation of Potential Polychlorinated Biphenyl (PCB) Sources to Slip 4 Using Chemical Fingerprinting	Plan		Exponent, Inc.		
605	9/8/2008	Calibre 2008	2107	Work Plan for Soil Sampling Associated with Tent Hangar Project, North Boeing Field	Plan		Calibre Systems, Inc.		

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No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
606	9/15/2008	Ecology 2008	2068	Re: Sampling and Analysis Plan, Investigation of Potential Polychlorinated Biphenyl (PCB) Sources to Slip 4 Using Chemical Fingerprinting	Letter	Edens, Mark	Ecology	Bach, Carl	Boeing
607	10/1/2008	Ecology 2008	68	Lower Duwamish Waterway Source Control Status Report, April 2008 through August 2008. Publication No. 08-09-068.	Report		Ecology		
608	10/1/2008	Boeing 2008	2364	Compiled List of Historic Maps and Building Information, 1944-2008, North Boeing Field, Seattle, Washington	Other		Boeing		
609	10/7/2008	Herrera 2008	2131	Georgetown Steam Plant Flume, Slip 4 Outfall Work Plan	Tech Memo	Jowise, Peter	Herrera Environmental Consultants	Schulze, Wanda	SCL
610	10/28/2008	SCL 2008	2127	Re: Transmittal of Final GTSP Flume Outfall Work Plan	Letter	Goldberg, Jennie	SCL	Keeley, Karen	EPA
611	10/31/2008	Landau 2008	2109	Investigation of Potential Polychlorinated Biphenyls (PCBs) Sources to Slip 4, Seattle, Washington	Report		Landau Associates		
612	10/31/2008	Landau 2008	2361	Work Plan: Soil and Catch Basin Solids Investigation, North Boeing Field, Seattle, Washington	Plan		Landau Associates		
613	11/4/2008	ENTRIX 2008	2029	Final Cultural Resources Section 106 Technical Report, Georgetown Steam Plant Flume Project - DAHP Log No. 030408-01-EPA, Slip 4 Early Action Area, Lower Duwamish Waterway Superfund Site, Seattle, WA	Report		ENRIX, Inc.		
614	11/26/2008	Bach 2008	2102	Re: PCB detections in stockpile, NBF Hangar Soil Disposal	Email	Bach, Carl	Boeing	Edens, Mark	Ecology
615	12/8/2008	Bach 2008	2349	Re: North Boeing Field Hangar Soil Disposal -- Apron A Storm Drain Repair	Email	Bach, Carl	Boeing	Edens, Mark	Ecology
616	12/8/2008	Bach 2008	2358	Re: North Boeing Field Hangar Soil Disposal	Email	Bach, Carl	Boeing	Edens, Mark	Ecology
617	12/8/2008	Bach 2008	2359	Re: Slip 4 calculations; repair of storm drain line in Apron A/B flight line areas	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
618	12/10/2008	Bach 2008	3252	Re: NBF Building Maps - Historical Reference Chart 1953	Email	Bach, Carl	Boeing	Winstanley, Iris	SAIC
619	12/10/2008	Bach 2008	3255	Re: Preliminary Data for NBF Sediment Traps	Email	Bach, Carl	Boeing	Cargill, Dan	Ecology
620	12/16/2008	Landau 2008	3256	Proposed Storm Drain Solids Sampling at NBF for December 2008	Report	Kalmar, Joe	Landau	Bach, Carl	Boeing
621	12/19/2008	Landau 2008	2348	Soil and Catch Basin Solids Investigation, North Boeing Field, Seattle, Washington	Report		Landau Associates		
622	1/7/2009	KCIA 2009	2955	King County International Airport Drainage Basin #5 Source Control Report	Report		KCIA		
623	1/13/2009	Schmoyer 2009	3257	Re: NBF Sediment Trap Data Compilation	Email	Schmoyer, Beth	SPU	Cargill, Dan	Ecology
624	1/23/2009	Bach 2009	3260	Re: NBF Updated Sediment Trap Figure and Tables	Email	Bach, Carl	Boeing	Edens, Mark	Ecology
625	2/4/2009	Landau 2009	2499	Catch Basin Solids Investigation, North Boeing Field, Seattle, Washington	Report		Landau Associates		

## Appendix A: Documents Reviewed

No.	Document Date	Reference Name	Internal Reference Number	Document Title	Document Type	Author	Author Organization	Recipient	Recipient Organization
626	2/6/2009	Bach 2009	3249	Re: Recent storm drain modifications	Email	Bach, Carl	Boeing	Winstanley, Iris	SAIC
627	2/9/2009	Parsons 2009	3254	Re: As-built drawings of updated Boeing stormline re-route to remove connections to the Flume	Email	Parsons, Jennifer	Boeing	Keeley, Karen	EPA
628	2/26/2009	SCL 2009	3253	Re: February Progress Report - Lower Duwamish Waterway Slip 4 Early Action Area	Memo	Goldberg, Jennie	SCL	Keeley, Karen	EPA
629	5/28/2009	Bach 2009	3401	Re: NBF-GTSP Supplemental Data Gaps Report	Email	Bach, Carl	Boeing	Edens, Mark	Ecology
630	5/29/2009	Goldberg 2009	3403	Re: Comments on Draft Supplemental Data Gaps Report	Email	Goldberg, Jennie	SCL	Edens, Mark	Ecology
631		Unknown	2286	Low-lying area at GTSP showing ditch from Fire Test Area	Map				
632		SCL Date Unknown	2268	History, Georgetown Steam Plant & Flume, PCB Contamination	Other		SCL		
633		Unknown	2299	Chronological History of the Georgetown Site (1966 to 1990)	Other				
634		Various	2344	NBF-GTSP Map Folio -- various authors and dates	Map				
635		Various	2347	Additional NBF-GTSP Maps -- various authors and dates	Map				

Yellow shading indicates document not available during preparation of February 2007 NBF-GTSP Data Gaps Report.

**Appendix B**  
**Georgetown Steam Plant**  
**Soil and Groundwater Data**





**Table B-1**  
**GTSP: All Chemicals Detected in Soil Plus Non-Detects Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
S5	3/29/1984	12.0	PCB, total	1 U	0.5	B, Carc	RLE	2.0	0.065	S	RLE	15	Shapiro & Raven 4/1984
S21	3/29/1984	3.3	PCB, total	1 U	0.5	B, Carc	RLE	2.0	1.3	V	No	<1	Shapiro & Raven 4/1984
S20	3/29/1984	0.0	PCB, total	1 U	0.5	B, Carc	RLE	2.0	1.3	V	No	<1	Shapiro & Raven 4/1984
S19	3/29/1984	1.2	PCB, total	1 U	0.5	B, Carc	RLE	2.0	1.3	V	No	<1	Shapiro & Raven 4/1984
S18	3/29/1984		PCB, total	1 U	0.5	B, Carc	RLE	2.0	1.3	V	No	<1	Shapiro & Raven 4/1984
<b>D-52</b>	<b>8/8/1984</b>		<b>PCB, total</b>	<b>1.53</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>3.1</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>1.2</b>	<b>Raven 11/1984</b>
D-50	8/8/1984		PCB, total	0.26	0.5	B, Carc	No	<1	1.3	V	No	<1	Raven 11/1984
D-4	8/8/1984		PCB, total	1.21	0.5	B, Carc	Yes	2.4	1.3	V	No	<1	Raven 11/1984
D-3	8/8/1984		PCB, total	0.69	0.5	B, Carc	Yes	1.4	1.3	V	No	<1	Raven 11/1984
D-2	8/8/1984		PCB, total	0.56	0.5	B, Carc	Yes	1.1	1.3	V	No	<1	Raven 11/1984
D-1	8/8/1984		PCB, total	0.24	0.5	B, Carc	No	<1	1.3	V	No	<1	Raven 11/1984
<b>D-6</b>	<b>8/21/1984</b>		<b>PCB, total</b>	<b>1.52</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>3.0</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>1.2</b>	<b>Raven 11/1984</b>
D-62	8/23/1984		PCB, total	1.28	0.5	B, Carc	Yes	2.6	1.3	V	No	<1	Raven 11/1984
<b>D-61</b>	<b>8/23/1984</b>		<b>PCB, total</b>	<b>4.05</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>8.1</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>3.1</b>	<b>Raven 11/1984</b>
<b>D-60</b>	<b>8/23/1984</b>		<b>PCB, total</b>	<b>1.61</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>3.2</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>1.2</b>	<b>Raven 11/1984</b>
<b>T-42</b>	<b>8/28/1984</b>		<b>PCB, total</b>	<b>1662</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>3324</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>1278</b>	<b>Raven 11/1984</b>
<b>D-67</b>	<b>8/28/1984</b>		<b>PCB, total</b>	<b>403</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>806</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>310</b>	<b>Raven 11/1984</b>
B-4	3/29/1985	3.9	PCB, total	0.4	0.5	B, Carc	No	<1	1	V	No	<1	Raven 5/20/85
B-4	3/29/1985	3.9	Aroclor 1242	0.4	NA	NA	NA	NA	NA	NA	NA	NA	Raven 5/20/85
<b>B-21</b>	<b>3/29/1985</b>	<b>4.1</b>	<b>PCB, total</b>	<b>7.7</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>15</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>5.9</b>	<b>Raven 5/20/85</b>
B-21	3/29/1985	4.1	Aroclor 1242	7.7	NA	NA	NA	NA	NA	NA	NA	NA	Raven 5/20/85
B-16	3/29/1985	4.0	PCB, total	0.2	0.5	B, Carc	No	<1	1	V	No	<1	Raven 5/20/85
B-16	3/29/1985	4.0	Aroclor 1242	0.2	NA	NA	NA	NA	NA	NA	NA	NA	Raven 5/20/85
B-29	4/1/1985	7.7	PCB, total	0.1 U	0.5	B, Carc	No	<1	0.065	S	RLE	1.5	Raven 5/20/85
<b>B-28</b>	<b>4/1/1985</b>	<b>7.7</b>	<b>PCB, total</b>	<b>0.6</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>1.2</b>	<b>0.065</b>	<b>S</b>	<b>No</b>	<b>&lt;1</b>	<b>Raven 5/20/85</b>
B-28	4/1/1985	7.7	Aroclor 1242	0.6	NA	NA	NA	NA	NA	NA	NA	NA	Raven 5/20/85
B-27	4/1/1985	7.7	PCB, total	0.2	0.5	B, Carc	No	<1	0.065	S	No	<1	Raven 5/20/85
B-27	4/1/1985	7.7	Aroclor 1242	0.2	NA	NA	NA	NA	NA	NA	NA	NA	Raven 5/20/85
B-26	4/1/1985	7.7	PCB, total	0.1	0.5	B, Carc	No	<1	0.065	S	No	<1	Raven 5/20/85
B-26	4/1/1985	7.7	Aroclor 1242	0.1	NA	NA	NA	NA	NA	NA	NA	NA	Raven 5/20/85
B-25	4/1/1985	9.5	PCB, total	0.1 U	0.5	B, Carc	No	<1	0.065	S	RLE	1.5	Raven 5/20/85
<b>B-24</b>	<b>4/1/1985</b>	<b>6.0</b>	<b>PCB, total</b>	<b>0.6</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>1.2</b>	<b>0.065</b>	<b>S</b>	<b>Yes</b>	<b>9.2</b>	<b>Raven 5/20/85</b>
<b>B-24</b>	<b>4/1/1985</b>	<b>6.0</b>	<b>Aroclor 1254</b>	<b>0.6</b>	<b>1.6</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>0.065</b>	<b>S</b>	<b>Yes</b>	<b>9.2</b>	<b>Raven 5/20/85</b>
<b>B-23</b>	<b>4/1/1985</b>	<b>6.7</b>	<b>PCB, total</b>	<b>0.8</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>1.6</b>	<b>0.065</b>	<b>S</b>	<b>Yes</b>	<b>12</b>	<b>Raven 5/20/85</b>
<b>B-23</b>	<b>4/1/1985</b>	<b>6.7</b>	<b>Aroclor 1254</b>	<b>0.8</b>	<b>1.6</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>0.065</b>	<b>S</b>	<b>Yes</b>	<b>12</b>	<b>Raven 5/20/85</b>
<b>Composite #1</b> <b>(7,8,11,12,15,16,17)</b>	<b>10/10/1985</b>		<b>PCB, total</b>	<b>190</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>380</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>146</b>	<b>AB Consulting, Inc. 2/3/86</b>
<b>Composite #1</b> <b>(7,8,11,12,15,16,17)</b>	<b>10/10/1985</b>		<b>Aroclor 1254</b>	<b>190</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>119</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>146</b>	<b>AB Consulting, Inc. 2/3/86</b>
23	10/10/1985		PCB, total	1.0	0.5	B, Carc	Yes	2.0	1.3	V	No	<1	AB Consulting, Inc. 2/3/86
23	10/10/1985		Aroclor 1254	1.0	1.6	B, NC	No	<1	1.3	V	No	<1	AB Consulting, Inc. 2/3/86
<b>5</b>	<b>10/10/1985</b>		<b>PCB, total</b>	<b>1.4</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>2.8</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>1.1</b>	<b>AB Consulting, Inc. 2/3/86</b>
<b>5</b>	<b>10/10/1985</b>		<b>Aroclor 1254</b>	<b>1.4</b>	<b>1.6</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>1.1</b>	<b>AB Consulting, Inc. 2/3/86</b>
<b>1</b>	<b>10/10/1985</b>		<b>PCB, total</b>	<b>3.7</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>7.4</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>2.8</b>	<b>AB Consulting, Inc. 2/3/86</b>
<b>1</b>	<b>10/10/1985</b>		<b>Aroclor 1254</b>	<b>3.7</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>2.3</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>2.8</b>	<b>AB Consulting, Inc. 2/3/86</b>
Composite #3 (21,22,24)	10/11/1985		PCB, total	0.15	0.5	B, Carc	No	<1	1.3	V	No	<1	AB Consulting, Inc. 2/3/86
Composite #3 (21,22,24)	10/11/1985		Aroclor 1254	0.15	1.6	B, NC	No	<1	1.3	V	No	<1	AB Consulting, Inc. 2/3/86
<b>Composite #2</b> <b>(9,10,13,14,18,19,20)</b>	<b>10/11/1985</b>		<b>PCB, total</b>	<b>220</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>440</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>169</b>	<b>AB Consulting, Inc. 2/3/86</b>
<b>Composite #2</b> <b>(9,10,13,14,18,19,20)</b>	<b>10/11/1985</b>		<b>Aroclor 1254</b>	<b>220</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>138</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>169</b>	<b>AB Consulting, Inc. 2/3/86</b>
6a	10/16/1985		PCB, total	3.4	0.5	B, Carc	Yes	6.8	1.3	V	Yes	2.6	AB Consulting, Inc. 2/3/86
6a	10/16/1985		Aroclor 1254	3.4	1.6	B, NC	Yes	2.1	1.3	V	Yes	2.6	AB Consulting, Inc. 2/3/86
4a	10/16/1985		PCB, total	2.8	0.5	B, Carc	Yes	5.6	1.3	V	Yes	2.2	AB Consulting, Inc. 2/3/86
4a	10/16/1985		Aroclor 1254	2.8	1.6	B, NC	Yes	1.8	1.3	V	Yes	2.2	AB Consulting, Inc. 2/3/86
28	10/22/1985		PCB, total	10	0.5	B, Carc	Yes	20	1.3	V	Yes	7.7	AB Consulting, Inc. 2/3/86
28	10/22/1985		Aroclor 1248	10	NA	NA	NA	NA	1.3	V	Yes	7.7	AB Consulting, Inc. 2/3/86

**Table B-1**  
**GTSP: All Chemicals Detected in Soil Plus Non-Detects Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
27	10/22/1985		PCB, total	3.0	0.5	B, Carc	Yes	6.0	1.3	V	Yes	2.3	AB Consulting, Inc. 2/3/86
27	10/22/1985		Aroclor 1248	3.0	NA	NA	NA	NA	1.3	V	Yes	2.3	AB Consulting, Inc. 2/3/86
26	10/22/1985		PCB, total	11	0.5	B, Carc	Yes	22	1.3	V	Yes	8.5	AB Consulting, Inc. 2/3/86
26	10/22/1985		Aroclor 1248	11	NA	NA	NA	NA	1.3	V	Yes	8.5	AB Consulting, Inc. 2/3/86
GX-68	10/12/1987	21.0	Heavy Oil Range Hydrocarbons	60000	2000	A	Yes	30	NA	NA	NA	NA	Raven 2/17/88
GX-64	10/12/1987	0.0	Zinc	1.51	24000	B, NC	No	<1	770	V	No	<1	Raven 2/17/88
GX-64	10/12/1987	0.0	Heavy Oil Range Hydrocarbons	13	2000	A	No	<1	NA	NA	NA	NA	Raven 2/17/88
GX-64	10/12/1987	0.0	Cadmium	0.023	2	A	No	<1	34	V	No	<1	Raven 2/17/88
GX-5	10/12/1987	0.0	Zinc	0.18	24000	B, NC	No	<1	770	V	No	<1	Raven 2/17/88
GX-5	10/12/1987	0.0	Heavy Oil Range Hydrocarbons	70	2000	A	No	<1	NA	NA	NA	NA	Raven 2/17/88
GX-45	10/12/1987	16.0	Heavy Oil Range Hydrocarbons	20	2000	A	No	<1	NA	NA	NA	NA	Raven 2/17/88
GX-40	10/12/1987	14.0	Heavy Oil Range Hydrocarbons	3660	2000	A	Yes	1.8	NA	NA	NA	NA	Raven 2/17/88
GX-35	10/12/1987	12.0	Lead	0.050	1000	A	No	<1	67	S	No	<1	Raven 2/17/88
GX-35	10/12/1987	12.0	Heavy Oil Range Hydrocarbons	260	2000	A	No	<1	NA	NA	NA	NA	Raven 2/17/88
GX-30	10/12/1987	10.0	Heavy Oil Range Hydrocarbons	220	2000	A	No	<1	NA	NA	NA	NA	Raven 2/17/88
GX-25	10/12/1987	8.0	Zinc	0.17	24000	B, NC	No	<1	38	S	No	<1	Raven 2/17/88
GX-25	10/12/1987	8.0	Heavy Oil Range Hydrocarbons	460	2000	A	No	<1	NA	NA	NA	NA	Raven 2/17/88
GX-20	10/12/1987	6.0	Heavy Oil Range Hydrocarbons	160	2000	A	No	<1	NA	NA	NA	NA	Raven 2/17/88
GX-15	10/12/1987	4.0	Heavy Oil Range Hydrocarbons	150	2000	A	No	<1	NA	NA	NA	NA	Raven 2/17/88
GX-10	10/12/1987	2.0	Heavy Oil Range Hydrocarbons	30	2000	A	No	<1	NA	NA	NA	NA	Raven 2/17/88
3	3/22/1989	10	Total Petroleum Hydrocarbons	89.9	2000	A	No	<1	NA	NA	NA	NA	PT Lab 3/27/89
1	3/22/1989	10	Total Petroleum Hydrocarbons	2459.6	2000	A	Yes	1.2	NA	NA	NA	NA	PT Lab 3/27/89
RR-9	9/19/2001	0.5	PCB, total	0.21	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
RR-8	9/19/2001	0.5	PCB, total	0.18	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
RR-7	9/19/2001	0.5	PCB, total	0.37	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
RR-7	9/19/2001	0.5	Aroclor 1260	0.061	NA	NA	NA	NA	1.3	V	No	<1	Bridgewater Group 3/29/02
RR-7	9/19/2001	0.5	Aroclor 1254	0.15	1.6	B, NC	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
RR-6	9/19/2001	0.5	PCB, total	0.21	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
RR-6	9/19/2001	0.5	Aroclor 1260	0.039	NA	NA	NA	NA	1.3	V	No	<1	Bridgewater Group 3/29/02
RR-5	9/19/2001	0.5	PCB, total	0.37	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
RR-5	9/19/2001	0.5	Aroclor 1260	0.081	NA	NA	NA	NA	1.3	V	No	<1	Bridgewater Group 3/29/02
RR-5	9/19/2001	0.5	Aroclor 1254	0.14	1.6	B, NC	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
RR-4	9/19/2001	0.5	PCB, total	4.32	0.5	B, Carc	Yes	8.6	1.3	V	Yes	3.3	Bridgewater Group 3/29/02
RR-4	9/19/2001	0.5	Aroclor 1260	0.91	NA	NA	NA	NA	1.3	V	No	<1	Bridgewater Group 3/29/02
RR-4	9/19/2001	0.5	Aroclor 1254	2.7	1.6	B, NC	Yes	1.7	1.3	V	Yes	2.1	Bridgewater Group 3/29/02
RR-3	9/19/2001	0.5	PCB, total	0.79	0.5	B, Carc	Yes	1.6	1.3	V	No	<1	Bridgewater Group 3/29/02
RR-3	9/19/2001	0.5	Aroclor 1260	0.2	NA	NA	NA	NA	1.3	V	No	<1	Bridgewater Group 3/29/02
RR-3	9/19/2001	0.5	Aroclor 1254	0.45	1.6	B, NC	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
RR-2	9/19/2001	0.5	PCB, total	0.53	0.5	B, Carc	Yes	1.1	1.3	V	No	<1	Bridgewater Group 3/29/02
RR-2	9/19/2001	0.5	Aroclor 1260	0.11	NA	NA	NA	NA	1.3	V	No	<1	Bridgewater Group 3/29/02
RR-2	9/19/2001	0.5	Aroclor 1254	0.28	1.6	B, NC	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
RR-1	9/19/2001	1.0	PCB, total	0.18	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
OVS-2	9/19/2001	9.0	PCB, total	0.21	0.5	B, Carc	No	<1	0.065	S	Yes	3.2	Bridgewater Group 3/29/02
OVS-1	9/19/2001	9.0	PCB, total	0.22	0.5	B, Carc	No	<1	0.065	S	Yes	3.4	Bridgewater Group 3/29/02
LLA-3	9/19/2001	6.0	PCB, total	0.25	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
LLA-3	9/19/2001	6.0	PAHs, total carcinogenic	0.07	0.14	B, Carc	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
LLA-3	9/19/2001	6.0	Heavy Oil Range Hydrocarbons	58	2000	A	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
LLA-3	9/19/2001	6.0	Gasoline Range Hydrocarbons	240	30	A	Yes	8.0	NA	NA	NA	NA	Bridgewater Group 3/29/02
LLA-3	9/19/2001	6.0	Diesel Range Hydrocarbons	260	2000	A	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
LLA-3	9/19/2001	6.0	Diesel Range Hydrocarbons	210	2000	A	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
LLA-3	9/19/2001	6.0	Aroclor 1242	0.057	NA	NA	NA	NA	NA	NA	NA	NA	Bridgewater Group 3/29/02
LLA-3	9/19/2001	6.0	2-Methylnaphthalene	0.045	320	B, NC	No	<1	1.4	V	No	<1	Bridgewater Group 3/29/02
LLA-2	9/19/2001	5.0	PCB, total	0.4	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
LLA-2	9/19/2001	5.0	Aroclor 1242	0.22	NA	NA	NA	NA	NA	NA	NA	NA	Bridgewater Group 3/29/02
LLA-1	9/19/2001	5.5	PCB, total	8.27	0.5	B, Carc	Yes	17	1.3	V	Yes	6.4	Bridgewater Group 3/29/02
LLA-1	9/19/2001	5.5	Aroclor 1254	1.1	1.6	B, NC	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
LLA-1	9/19/2001	5.5	Aroclor 1242	6.9	NA	NA	NA	NA	NA	NA	NA	NA	Bridgewater Group 3/29/02

**Table B-1**  
**GTSP: All Chemicals Detected in Soil Plus Non-Detects Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
GS-6	9/19/2001	0.5	PCB, total	0.23	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
GS-5	9/19/2001	0.5	PCB, total	0.22	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
GS-4	9/19/2001	0.5	PCB, total	0.21	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
GS-3	9/19/2001	0.5	PCB, total	0.24	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
GS-2	9/19/2001	0.5	PCB, total	0.23	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
GS-1	9/19/2001	0.5	PCB, total	0.22	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
FTC-2	9/19/2001	6.0	Gasoline Range Hydrocarbons	32 U	30	A	RLE	1.1	NA	NA	NA	NA	Bridgewater Group 3/29/02
FOU-4	9/19/2001	8.0	Heavy Oil Range Hydrocarbons	1400	2000	A	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
FOU-4	9/19/2001	8.0	Heavy Oil Range Hydrocarbons	900	2000	A	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
FOU-4	9/19/2001	8.0	Gasoline Range Hydrocarbons	140	30	A	Yes	4.7	NA	NA	NA	NA	Bridgewater Group 3/29/02
FOU-4	9/19/2001	8.0	Diesel Range Hydrocarbons	1600	2000	A	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
FOU-4	9/19/2001	8.0	Diesel Range Hydrocarbons	880	2000	A	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
FOU-2	9/19/2001	7.0	Heavy Oil Range Hydrocarbons	140	2000	A	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
FOU-2	9/19/2001	7.0	Heavy Oil Range Hydrocarbons	1700	2000	A	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
FOU-2	9/19/2001	7.0	Diesel Range Hydrocarbons	130	2000	A	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
FOU-2	9/19/2001	7.0	Diesel Range Hydrocarbons	550	2000	A	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Pyrene	1.6	2400	B, NC	No	<1	1.4	S	Yes	1.1	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Phenanthrene	2.2	NA	NA	NA	NA	0.49	S	Yes	4.5	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	PAHs, total carcinogenic	2.98	0.14	B, Carc	Yes	21	NA	NA	NA	NA	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Naphthalene	0.72	5	A	No	<1	0.20	S	Yes	3.6	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Indeno(1,2,3-cd)pyrene	0.06	NA	NA	NA	NA	0.088	S	No	<1	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Heavy Oil Range Hydrocarbons	5800	2000	A	Yes	2.9	NA	NA	NA	NA	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Heavy Oil Range Hydrocarbons	2200	2000	A	Yes	1.1	NA	NA	NA	NA	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Gasoline Range Hydrocarbons	290	30	A	Yes	9.7	NA	NA	NA	NA	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Fluorene	0.6	3200	B, NC	No	<1	0.081	S	Yes	7.4	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Fluoranthene	0.33	3200	B, NC	No	<1	1.2	S	No	<1	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Diesel Range Hydrocarbons	12000	2000	A	Yes	6.0	NA	NA	NA	NA	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Diesel Range Hydrocarbons	4200	2000	A	Yes	2.1	NA	NA	NA	NA	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Dibenzofuran	0.18	160	B, NC	No	<1	0.059	S	Yes	3.1	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Dibenz(a,h)anthracene	0.052 U	NA	NA	NA	NA	0.033	S	RLE	1.6	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Chrysene	1.2	NA	NA	NA	NA	0.46	S	Yes	2.6	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Benzo(k)fluoranthene	0.23	NA	NA	NA	NA	0.45	S	No	<1	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Benzo(g,h,i)perylene	0.078	NA	NA	NA	NA	0.078	S	No	1.0	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Benzo(b)fluoranthene	0.23	NA	NA	NA	NA	0.45	S	No	<1	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Benzo(a)pyrene	0.38	0.137	B, Carc	Yes	2.8	0.21	S	Yes	1.8	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Benzo(a)anthracene	0.78	NA	NA	NA	NA	0.27	S	Yes	2.9	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Anthracene	0.57	24000	B, NC	No	<1	1.2	S	No	<1	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	Acenaphthene	0.57	4800	B, NC	No	<1	0.060	S	Yes	9.5	Bridgewater Group 3/29/02
FOU-1	9/19/2001	7.5	2-Methylnaphthalene	3	320	B, NC	No	<1	0.073	S	Yes	41	Bridgewater Group 3/29/02
CCS-4	9/19/2001	1.0	Zinc	26.7	24000	B, NC	No	<1	770	V	No	<1	Bridgewater Group 3/29/02
CCS-4	9/19/2001	1.0	Tin	2	48000	B, NC	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
CCS-4	9/19/2001	1.0	Pyrene	0.092	2400	B, NC	No	<1	28	V	No	<1	Bridgewater Group 3/29/02
CCS-4	9/19/2001	1.0	Phenanthrene	0.044	NA	NA	NA	NA	9.7	V	No	<1	Bridgewater Group 3/29/02
CCS-4	9/19/2001	1.0	PAHs, total carcinogenic	0.89	0.14	B, Carc	Yes	6.4	NA	NA	NA	NA	Bridgewater Group 3/29/02
CCS-4	9/19/2001	1.0	Nickel	9	NA	NA	NA	NA	NA	NA	NA	NA	Bridgewater Group 3/29/02
CCS-4	9/19/2001	1.0	Lead	16	1000	A	No	<1	1300	V	No	<1	Bridgewater Group 3/29/02
CCS-4	9/19/2001	1.0	Fluoranthene	0.087	3200	B, NC	No	<1	24	V	No	<1	Bridgewater Group 3/29/02
CCS-4	9/19/2001	1.0	Copper	16.4	3000	B, NC	No	<1	780	V	No	<1	Bridgewater Group 3/29/02
CCS-4	9/19/2001	1.0	Chrysene	0.064	NA	NA	NA	NA	9.2	V	No	<1	Bridgewater Group 3/29/02
CCS-4	9/19/2001	1.0	Chromium	12.5	19	A, Chromium VI	No	<1	5400	V	No	<1	Bridgewater Group 3/29/02
CCS-4	9/19/2001	1.0	Benzo(k)fluoranthene	0.63	NA	NA	NA	NA	9.0	V	No	<1	Bridgewater Group 3/29/02
CCS-4	9/19/2001	1.0	Benzo(b)fluoranthene	0.058	NA	NA	NA	NA	9.0	V	No	<1	Bridgewater Group 3/29/02
CCS-4	9/19/2001	1.0	Benzo(a)pyrene	0.053	0.137	B, Carc	No	<1	4.2	V	No	<1	Bridgewater Group 3/29/02
CCS-4	9/19/2001	1.0	Benzo(a)anthracene	0.053	NA	NA	NA	NA	5.4	V	No	<1	Bridgewater Group 3/29/02
CCS-4	9/19/2001	1.0	Arsenic	5 U	0.67	B, Carc	RLE	7.5	12000	V	No	<1	Bridgewater Group 3/29/02
CCS-4	9/19/2001	1.0	Anthracene	0.018	24000	B, NC	No	<1	24	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Zinc	94.2	24000	B, NC	No	<1	770	V	No	<1	Bridgewater Group 3/29/02

**Table B-1**  
**GTSP: All Chemicals Detected in Soil Plus Non-Detects Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
CCS-3	9/19/2001	4.0	Pyrene	0.39	2400	B, NC	No	<1	28	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Phenanthrene	0.22	NA	NA	NA	NA	9.7	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	PAHs, total carcinogenic	1.4	0.14	B, Carc	Yes	10	NA	NA	NA	NA	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Nickel	27	NA	NA	NA	NA	NA	NA	NA	NA	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Mercury	0.36	2	A	No	<1	0.59	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Lead	34	1000	A	No	<1	1300	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Indeno(1,2,3-cd)pyrene	0.064	NA	NA	NA	NA	1.8	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Fluorene	0.021	3200	B, NC	No	<1	1.6	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Fluoranthene	0.39	3200	B, NC	No	<1	24	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Dibenz(a,h)anthracene	0.027	NA	NA	NA	NA	0.66	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Copper	68	3000	B, NC	No	<1	780	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Chrysene	0.24	NA	NA	NA	NA	9.2	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Chromium	11.4	19	A, Chromium VI	No	<1	5400	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Benzo(k)fluoranthene	0.25	NA	NA	NA	NA	9.0	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Benzo(g,h,i)perylene	0.061	NA	NA	NA	NA	1.6	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Benzo(b)fluoranthene	0.33	NA	NA	NA	NA	9.0	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Benzo(a)pyrene	0.22	0.137	B, Carc	Yes	1.6	4.2	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Benzo(a)anthracene	0.21	NA	NA	NA	NA	5.4	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Arsenic	7 U	0.67	B, Carc	RLE	10	12000	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Anthracene	0.078	24000	B, NC	No	<1	24	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Acenaphthylene	0.031	NA	NA	NA	NA	1.4	V	No	<1	Bridgewater Group 3/29/02
CCS-3	9/19/2001	4.0	Acenaphthene	0.022	4800	B, NC	No	<1	1.2	V	No	<1	Bridgewater Group 3/29/02
CCS-2	9/19/2001	0.5	Zinc	33.1	24000	B, NC	No	<1	770	V	No	<1	Bridgewater Group 3/29/02
CCS-2	9/19/2001	0.5	PAHs, total carcinogenic	0.07	0.14	B, Carc	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
CCS-2	9/19/2001	0.5	Nickel	137	NA	NA	NA	NA	NA	NA	NA	NA	Bridgewater Group 3/29/02
CCS-2	9/19/2001	0.5	Mercury	0.17	2	A	No	<1	0.59	V	No	<1	Bridgewater Group 3/29/02
CCS-2	9/19/2001	0.5	Lead	3	1000	A	No	<1	1300	V	No	<1	Bridgewater Group 3/29/02
CCS-2	9/19/2001	0.5	Copper	22.6	3000	B, NC	No	<1	780	V	No	<1	Bridgewater Group 3/29/02
CCS-2	9/19/2001	0.5	Chromium	16.4	19	A, Chromium VI	No	<1	5400	V	No	<1	Bridgewater Group 3/29/02
CCS-2	9/19/2001	0.5	Arsenic	5 U	0.67	B, Carc	RLE	7.5	12000	V	No	<1	Bridgewater Group 3/29/02
CCS-1	9/19/2001	5.5	Zinc	180	24000	B, NC	No	<1	770	V	No	<1	Bridgewater Group 3/29/02
CCS-1	9/19/2001	5.5	PAHs, total carcinogenic	0.07	0.14	B, Carc	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
CCS-1	9/19/2001	5.5	Nickel	6	NA	NA	NA	NA	NA	NA	NA	NA	Bridgewater Group 3/29/02
CCS-1	9/19/2001	5.5	Mercury	0.04	2	A	No	<1	0.59	V	No	<1	Bridgewater Group 3/29/02
CCS-1	9/19/2001	5.5	Lead	13	1000	A	No	<1	1300	V	No	<1	Bridgewater Group 3/29/02
CCS-1	9/19/2001	5.5	Copper	13	3000	B, NC	No	<1	780	V	No	<1	Bridgewater Group 3/29/02
CCS-1	9/19/2001	5.5	Chromium	10.9	19	A, Chromium VI	No	<1	5400	V	No	<1	Bridgewater Group 3/29/02
CCS-1	9/19/2001	5.5	Cadmium	0.4	2	A	No	<1	34	V	No	<1	Bridgewater Group 3/29/02
CCS-1	9/19/2001	5.5	Arsenic	5 U	0.67	B, Carc	RLE	7.5	12000	V	No	<1	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	Pyrene	1.6 E	2400	B, NC	No	<1	28	V	No	<1	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	Phenanthrene	0.38	NA	NA	NA	NA	9.7	V	No	<1	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	PCB, total	0.18	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	PAHs, total carcinogenic	3.98	0.14	B, Carc	Yes	28	NA	NA	NA	NA	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	Indeno(1,2,3-cd)pyrene	0.17	NA	NA	NA	NA	1.8	V	No	<1	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	Heavy Oil Range Hydrocarbons	34	2000	A	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	Heavy Oil Range Hydrocarbons	50	2000	A	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	Fluorene	0.051	3200	B, NC	No	<1	1.6	V	No	<1	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	Fluoranthene	1.6 E	3200	B, NC	No	<1	24	V	No	<1	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	Diesel Range Hydrocarbons	69	2000	A	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	Dibenzofuran	0.021	160	B, NC	No	<1	1.2	V	No	<1	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	Dibenz(a,h)anthracene	0.067	NA	NA	NA	NA	0.66	V	No	<1	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	Chrysene	0.85	NA	NA	NA	NA	9.2	V	No	<1	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	Benzo(k)fluoranthene	0.56	NA	NA	NA	NA	9.0	V	No	<1	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	Benzo(g,h,i)perylene	0.14	NA	NA	NA	NA	1.6	V	No	<1	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	Benzo(b)fluoranthene	0.75	NA	NA	NA	NA	9.0	V	No	<1	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	Benzo(a)pyrene	0.63	0.137	B, Carc	Yes	4.6	4.2	V	No	<1	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	Benzo(a)anthracene	0.81	NA	NA	NA	NA	5.4	V	No	<1	Bridgewater Group 3/29/02

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Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
BFP-5	9/19/2001	4.0	Anthracene	0.22	24000	B, NC	No	<1	24	V	No	<1	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	Acenaphthylene	0.02	NA	NA	NA	NA	1.4	V	No	<1	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	Acenaphthene	0.067	4800	B, NC	No	<1	1.2	V	No	<1	Bridgewater Group 3/29/02
BFP-5	9/19/2001	4.0	2-Methylnaphthalene	0.024	320	B, NC	No	<1	1.4	V	No	<1	Bridgewater Group 3/29/02
BFP-4	9/19/2001	4.0	PCB, total	0.21	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Pyrene	0.88	2400	B, NC	No	<1	28	V	No	<1	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Phenanthrene	0.4	NA	NA	NA	NA	9.7	V	No	<1	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	PCB, total	0.21	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	PAHs, total carcinogenic	2.26	0.14	B, Carc	Yes	16	NA	NA	NA	NA	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Naphthalene	0.04	5	A	No	<1	3.8	V	No	<1	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Indeno(1,2,3-cd)pyrene	0.1	NA	NA	NA	NA	1.8	V	No	<1	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Heavy Oil Range Hydrocarbons	180	2000	A	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Heavy Oil Range Hydrocarbons	540	2000	A	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Fluorene	0.022	3200	B, NC	No	<1	1.6	V	No	<1	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Fluoranthene	0.68	3200	B, NC	No	<1	24	V	No	<1	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Diesel Range Hydrocarbons	80	2000	A	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Diesel Range Hydrocarbons	320	2000	A	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Dibenzofuran	0.033	160	B, NC	No	<1	1.2	V	No	<1	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Dibenz(a,h)anthracene	0.031	NA	NA	NA	NA	0.66	V	No	<1	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Chrysene	0.41	NA	NA	NA	NA	9.2	V	No	<1	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Benzo(k)fluoranthene	0.42	NA	NA	NA	NA	9.0	V	No	<1	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Benzo(g,h,i)perylene	0.1	NA	NA	NA	NA	1.6	V	No	<1	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Benzo(b)fluoranthene	0.56	NA	NA	NA	NA	9.0	V	No	<1	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Benzo(a)pyrene	0.32	0.137	B, Carc	Yes	2.3	4.2	V	No	<1	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Benzo(a)anthracene	0.32	NA	NA	NA	NA	5.4	V	No	<1	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	Anthracene	0.076	24000	B, NC	No	<1	24	V	No	<1	Bridgewater Group 3/29/02
BFP-3 (DUP)	9/19/2001	1.5	2-Methylnaphthalene	0.064	320	B, NC	No	<1	1.4	V	No	<1	Bridgewater Group 3/29/02
BFP-3	9/19/2001	1.5	PCB, total	0.22	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
BFP-2	9/19/2001	2.5	PCB, total	0.21	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
BFP-1	9/19/2001	3.0	Zinc	48.5	24000	B, NC	No	<1	770	V	No	<1	Bridgewater Group 3/29/02
BFP-1	9/19/2001	3.0	Tin	1	48000	B, NC	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
BFP-1	9/19/2001	3.0	PCB, total	0.23	0.5	B, Carc	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
BFP-1	9/19/2001	3.0	Nickel	32	NA	NA	NA	NA	NA	NA	NA	NA	Bridgewater Group 3/29/02
BFP-1	9/19/2001	3.0	Mercury	0.09	2	A	No	<1	0.59	V	No	<1	Bridgewater Group 3/29/02
BFP-1	9/19/2001	3.0	Lead	10	1000	A	No	<1	1300	V	No	<1	Bridgewater Group 3/29/02
BFP-1	9/19/2001	3.0	Copper	28.5	3000	B, NC	No	<1	780	V	No	<1	Bridgewater Group 3/29/02
BFP-1	9/19/2001	3.0	Chromium	27.6	19	A, Chromium VI	Yes	1.5	5400	V	No	<1	Bridgewater Group 3/29/02
BFP-1	9/19/2001	3.0	Arsenic	6	0.67	B, Carc	Yes	9.0	12000	V	No	<1	Bridgewater Group 3/29/02
BFP-1	9/19/2001	3.0	Aroclor 1254	0.058	1.6	B, NC	No	<1	1.3	V	No	<1	Bridgewater Group 3/29/02
BD-3	9/19/2001	5.5	Zinc	18.9	24000	B, NC	No	<1	770	V	No	<1	Bridgewater Group 3/29/02
BD-3	9/19/2001	5.5	Nickel	6	NA	NA	NA	NA	NA	NA	NA	NA	Bridgewater Group 3/29/02
BD-3	9/19/2001	5.5	Lead	6	1000	A	No	<1	1300	V	No	<1	Bridgewater Group 3/29/02
BD-3	9/19/2001	5.5	Copper	16	3000	B, NC	No	<1	780	V	No	<1	Bridgewater Group 3/29/02
BD-3	9/19/2001	5.5	Chromium	13.2	19	A, Chromium VI	No	<1	5400	V	No	<1	Bridgewater Group 3/29/02
BD-3	9/19/2001	5.5	Arsenic	6 U	0.67	B, Carc	RLE	9.0	12000	V	No	<1	Bridgewater Group 3/29/02
BD-2	9/19/2001	5.0	Zinc	76.1	24000	B, NC	No	<1	770	V	No	<1	Bridgewater Group 3/29/02
BD-2	9/19/2001	5.0	Tin	3	48000	B, NC	No	<1	NA	NA	NA	NA	Bridgewater Group 3/29/02
BD-2	9/19/2001	5.0	Nickel	16	NA	NA	NA	NA	NA	NA	NA	NA	Bridgewater Group 3/29/02
BD-2	9/19/2001	5.0	Mercury	1.1	2	A	No	<1	0.59	V	Yes	1.9	Bridgewater Group 3/29/02
BD-2	9/19/2001	5.0	Lead	57	1000	A	No	<1	1300	V	No	<1	Bridgewater Group 3/29/02
BD-2	9/19/2001	5.0	Copper	59.1	3000	B, NC	No	<1	780	V	No	<1	Bridgewater Group 3/29/02
BD-2	9/19/2001	5.0	Chromium	15.8	19	A, Chromium VI	No	<1	5400	V	No	<1	Bridgewater Group 3/29/02
BD-2	9/19/2001	5.0	Cadmium	0.3	2	A	No	<1	34	V	No	<1	Bridgewater Group 3/29/02
BD-2	9/19/2001	5.0	Arsenic	6	0.67	B, Carc	Yes	9.0	12000	V	No	<1	Bridgewater Group 3/29/02
BD-1 (DUP)	9/19/2001	5.0	Zinc	17.9	24000	B, NC	No	<1	770	V	No	<1	Bridgewater Group 3/29/02
BD-1 (DUP)	9/19/2001	5.0	Nickel	6	NA	NA	NA	NA	NA	NA	NA	NA	Bridgewater Group 3/29/02
BD-1 (DUP)	9/19/2001	5.0	Lead	5	1000	A	No	<1	1300	V	No	<1	Bridgewater Group 3/29/02

**Table B-1**  
**GTSP: All Chemicals Detected in Soil Plus Non-Detects Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
BD-1 (DUP)	9/19/2001	5.0	Copper	13.6	3000	B, NC	No	<1	780	V	No	<1	Bridgewater Group 3/29/02
BD-1 (DUP)	9/19/2001	5.0	Chromium	12.7	19	A, Chromium VI	No	<1	5400	V	No	<1	Bridgewater Group 3/29/02
BD-1 (DUP)	9/19/2001	5.0	Arsenic	6 U	0.67	B, Carc	RLE	9.0	12000	V	No	<1	Bridgewater Group 3/29/02
BD-1	9/19/2001	5.0	Zinc	18.6	24000	B, NC	No	<1	770	V	No	<1	Bridgewater Group 3/29/02
BD-1	9/19/2001	5.0	Nickel	6	NA	NA	NA	NA	NA	NA	NA	NA	Bridgewater Group 3/29/02
BD-1	9/19/2001	5.0	Lead	4	1000	A	No	<1	1300	V	No	<1	Bridgewater Group 3/29/02
BD-1	9/19/2001	5.0	Copper	14.6	3000	B, NC	No	<1	780	V	No	<1	Bridgewater Group 3/29/02
BD-1	9/19/2001	5.0	Chromium	11.5	19	A, Chromium VI	No	<1	5400	V	No	<1	Bridgewater Group 3/29/02
BD-1	9/19/2001	5.0	Arsenic	6 U	0.67	B, Carc	RLE	9.0	12000	V	No	<1	Bridgewater Group 3/29/02
S-20 (SCL-J7-S1)	1/26/2006		Pyrene	0.180	2400	B, NC	No	<1	28	V	No	<1	Integral 6/8/06
S-20 (SCL-J7-S1)	1/26/2006		Phenanthrene	0.097	NA	NA	NA	NA	9.7	V	No	<1	Integral 6/8/06
<b>S-20 (SCL-J7-S1)</b>	<b>1/26/2006</b>		<b>PCB, total</b>	<b>78</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>156</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>60</b>	<b>Integral 6/8/06</b>
S-20 (SCL-J7-S1)	1/26/2006		PAHs, total carcinogenic	0.18	0.14	B, Carc	Yes	1.3	NA	NA	NA	NA	Integral 6/8/06
S-20 (SCL-J7-S1)	1/26/2006		Heavy Oil Range Hydrocarbons	270	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-20 (SCL-J7-S1)	1/26/2006		Fluoranthene	0.270	3200	B, NC	No	<1	24	V	No	<1	Integral 6/8/06
S-20 (SCL-J7-S1)	1/26/2006		Diesel Range Hydrocarbons	86	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-20 (SCL-J7-S1)	1/26/2006		Chrysene	0.130	NA	NA	NA	NA	9.2	V	No	<1	Integral 6/8/06
S-20 (SCL-J7-S1)	1/26/2006		Benzo(k)fluoranthene	0.130	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-20 (SCL-J7-S1)	1/26/2006		Benzo(b)fluoranthene	0.240	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-20 (SCL-J7-S1)	1/26/2006		Benzo(a)pyrene	0.130	0.137	B, Carc	No	<1	4.2	V	No	<1	Integral 6/8/06
S-20 (SCL-J7-S1)	1/26/2006		Benzo(a)anthracene	0.110	NA	NA	NA	NA	5.4	V	No	<1	Integral 6/8/06
S-20 (SCL-J7-S1)	1/26/2006		Aroclor 1260	9.3 U	NA	NA	NA	NA	1.3	V	RLE	7.2	Integral 6/8/06
<b>S-20 (SCL-J7-S1)</b>	<b>1/26/2006</b>		<b>Aroclor 1254</b>	<b>78</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>49</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>60</b>	<b>Integral 6/8/06</b>
S-20 (SCL-J7-S1)	1/26/2006		Aroclor 1248	9.3 U	NA	NA	NA	NA	1.3	V	RLE	7.2	Integral 6/8/06
S-20 (SCL-J7-S1)	1/26/2006		Aroclor 1016	9.3 U	5.6	B, NC	RLE	1.7	1.3	V	RLE	7.2	Integral 6/8/06
S-20 (SCL-J7-F1)	1/26/2006		Pyrene	0.075	2400	B, NC	No	<1	28	V	No	<1	Integral 6/8/06
S-20 (SCL-J7-F1)	1/26/2006		Phenanthrene	0.040 J	NA	NA	NA	NA	9.7	V	No	<1	Integral 6/8/06
<b>S-20 (SCL-J7-F1)</b>	<b>1/26/2006</b>		<b>PCB, total</b>	<b>58</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>116</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>45</b>	<b>Integral 6/8/06</b>
S-20 (SCL-J7-F1)	1/26/2006		PAHs, total carcinogenic	0.063 J	0.14	B, Carc	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-20 (SCL-J7-F1)	1/26/2006		PAHs, total carcinogenic	0.017	0.14	B, Carc	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-20 (SCL-J7-F1)	1/26/2006		Heavy Oil Range Hydrocarbons	120	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-20 (SCL-J7-F1)	1/26/2006		Fluoranthene	0.110	3200	B, NC	No	<1	24	V	No	<1	Integral 6/8/06
S-20 (SCL-J7-F1)	1/26/2006		Diesel Range Hydrocarbons	66	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-20 (SCL-J7-F1)	1/26/2006		Chrysene	0.071	NA	NA	NA	NA	9.2	V	No	<1	Integral 6/8/06
S-20 (SCL-J7-F1)	1/26/2006		Benzo(k)fluoranthene	0.078	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-20 (SCL-J7-F1)	1/26/2006		Benzo(b)fluoranthene	0.088	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-20 (SCL-J7-F1)	1/26/2006		Benzo(a)pyrene	0.055 J	0.137	B, Carc	No	<1	4.2	V	No	<1	Integral 6/8/06
S-20 (SCL-J7-F1)	1/26/2006		Aroclor 1260	9.3 U	NA	NA	NA	NA	1.3	V	RLE	7.2	Integral 6/8/06
<b>S-20 (SCL-J7-F1)</b>	<b>1/26/2006</b>		<b>Aroclor 1254</b>	<b>58</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>36</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>45</b>	<b>Integral 6/8/06</b>
S-20 (SCL-J7-F1)	1/26/2006		Aroclor 1248	9.3 U	NA	NA	NA	NA	1.3	V	RLE	7.2	Integral 6/8/06
S-20 (SCL-J7-F1)	1/26/2006		Aroclor 1016	9.3 U	5.6	B, NC	RLE	1.7	1.3	V	RLE	7.2	Integral 6/8/06
S-20 (SCL-J7-B1)	1/26/2006		Pyrene	0.049 J	2400	B, NC	No	<1	28	V	No	<1	Integral 6/8/06
<b>S-20 (SCL-J7-B1)</b>	<b>1/26/2006</b>		<b>PCB, total</b>	<b>63</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>126</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>48</b>	<b>Integral 6/8/06</b>
S-20 (SCL-J7-B1)	1/26/2006		PAHs, total carcinogenic	0.070 J	0.14	B, Carc	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-20 (SCL-J7-B1)	1/26/2006		Heavy Oil Range Hydrocarbons	98	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-20 (SCL-J7-B1)	1/26/2006		Fluoranthene	0.071	3200	B, NC	No	<1	24	V	No	<1	Integral 6/8/06
S-20 (SCL-J7-B1)	1/26/2006		Diesel Range Hydrocarbons	63	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-20 (SCL-J7-B1)	1/26/2006		Chrysene	0.046 J	NA	NA	NA	NA	9.2	V	No	<1	Integral 6/8/06
S-20 (SCL-J7-B1)	1/26/2006		Benzo(k)fluoranthene	0.066 J	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-20 (SCL-J7-B1)	1/26/2006		Benzo(b)fluoranthene	0.082	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-20 (SCL-J7-B1)	1/26/2006		Benzo(a)pyrene	0.063 J	0.137	B, Carc	No	<1	4.2	V	No	<1	Integral 6/8/06
S-20 (SCL-J7-B1)	1/26/2006		Aroclor 1260	8.7 U	NA	NA	NA	NA	1.3	V	RLE	6.7	Integral 6/8/06
<b>S-20 (SCL-J7-B1)</b>	<b>1/26/2006</b>		<b>Aroclor 1254</b>	<b>63</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>39</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>48</b>	<b>Integral 6/8/06</b>
S-20 (SCL-J7-B1)	1/26/2006		Aroclor 1248	8.7 U	NA	NA	NA	NA	1.3	V	RLE	6.7	Integral 6/8/06
S-20 (SCL-J7-B1)	1/26/2006		Aroclor 1016	8.7 U	5.6	B, NC	RLE	1.6	1.3	V	RLE	6.7	Integral 6/8/06
<b>S-19 (SCL-J6-S1)</b>	<b>1/26/2006</b>		<b>PCB, total</b>	<b>2.6</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>5.2</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>2.0</b>	<b>Integral 6/8/06</b>
S-19 (SCL-J6-S1)	1/26/2006		PAHs, total carcinogenic	0.015 J	0.14	B, Carc	No	<1	NA	NA	NA	NA	Integral 6/8/06



**Table B-1**  
**GTSP: All Chemicals Detected in Soil Plus Non-Detects Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
S-19 (SCL-J6-S1)	1/26/2006		Heavy Oil Range Hydrocarbons	52	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-19 (SCL-J6-S1)	1/26/2006		Fluoranthene	0.055 J	3200	B, NC	No	<1	24	V	No	<1	Integral 6/8/06
S-19 (SCL-J6-S1)	1/26/2006		Diesel Range Hydrocarbons	10	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-19 (SCL-J6-S1)	1/26/2006		Chrysene	0.036 J	NA	NA	NA	NA	9.2	V	No	<1	Integral 6/8/06
S-19 (SCL-J6-S1)	1/26/2006		Benzo(k)fluoranthene	0.041 J	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-19 (SCL-J6-S1)	1/26/2006		Benzo(b)fluoranthene	0.042 J	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
<b>S-19 (SCL-J6-S1)</b>	<b>1/26/2006</b>		<b>Aroclor 1254</b>	<b>2.6</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>1.6</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>2.0</b>	<b>Integral 6/8/06</b>
S-19 (SCL-J6-F1)	1/26/2006		Pyrene	0.064 J	2400	B, NC	No	<1	28	V	No	<1	Integral 6/8/06
S-19 (SCL-J6-F1)	1/26/2006		Phenanthrene	0.034 J	NA	NA	NA	NA	9.7	V	No	<1	Integral 6/8/06
<b>S-19 (SCL-J6-F1)</b>	<b>1/26/2006</b>		<b>PCB, total</b>	<b>410</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>820</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>315</b>	<b>Integral 6/8/06</b>
S-19 (SCL-J6-F1)	1/26/2006		PAHs, total carcinogenic	0.064 J	0.14	B, Carc	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-19 (SCL-J6-F1)	1/26/2006		Heavy Oil Range Hydrocarbons	160	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-19 (SCL-J6-F1)	1/26/2006		Fluoranthene	0.110	3200	B, NC	No	<1	24	V	No	<1	Integral 6/8/06
S-19 (SCL-J6-F1)	1/26/2006		Diesel Range Hydrocarbons	190	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-19 (SCL-J6-F1)	1/26/2006		Chrysene	0.064 J	NA	NA	NA	NA	9.2	V	No	<1	Integral 6/8/06
S-19 (SCL-J6-F1)	1/26/2006		Benzo(k)fluoranthene	0.059 J	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-19 (SCL-J6-F1)	1/26/2006		Benzo(b)fluoranthene	0.087	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-19 (SCL-J6-F1)	1/26/2006		Benzo(a)pyrene	0.053 J	0.137	B, Carc	No	<1	4.2	V	No	<1	Integral 6/8/06
S-19 (SCL-J6-F1)	1/26/2006		Benzo(a)anthracene	0.041 J	NA	NA	NA	NA	5.4	V	No	<1	Integral 6/8/06
S-19 (SCL-J6-F1)	1/26/2006		Aroclor 1260	46 U	NA	NA	NA	NA	1.3	V	RLE	35	Integral 6/8/06
<b>S-19 (SCL-J6-F1)</b>	<b>1/26/2006</b>		<b>Aroclor 1254</b>	<b>410</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>256</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>315</b>	<b>Integral 6/8/06</b>
S-19 (SCL-J6-F1)	1/26/2006		Aroclor 1248	46 U	NA	NA	NA	NA	1.3	V	RLE	35	Integral 6/8/06
S-19 (SCL-J6-F1)	1/26/2006		Aroclor 1016	46 U	5.6	B, NC	RLE	8.2	1.3	V	RLE	35	Integral 6/8/06
S-18 (SCL-J5-S1)	1/26/2006		Pyrene	0.067	2400	B, NC	No	<1	28	V	No	<1	Integral 6/8/06
S-18 (SCL-J5-S1)	1/26/2006		Phenanthrene	0.034 J	NA	NA	NA	NA	9.7	V	No	<1	Integral 6/8/06
S-18 (SCL-J5-S1)	1/26/2006		PCB, total	0.420	0.5	B, Carc	No	<1	1.3	V	No	<1	Integral 6/8/06
S-18 (SCL-J5-S1)	1/26/2006		PAHs, total carcinogenic	0.050 J	0.14	B, Carc	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-18 (SCL-J5-S1)	1/26/2006		PAHs, total carcinogenic	0.017	0.14	B, Carc	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-18 (SCL-J5-S1)	1/26/2006		Heavy Oil Range Hydrocarbons	100	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-18 (SCL-J5-S1)	1/26/2006		Fluoranthene	0.100	3200	B, NC	No	<1	24	V	No	<1	Integral 6/8/06
S-18 (SCL-J5-S1)	1/26/2006		Diesel Range Hydrocarbons	17	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-18 (SCL-J5-S1)	1/26/2006		Chrysene	0.067	NA	NA	NA	NA	9.2	V	No	<1	Integral 6/8/06
S-18 (SCL-J5-S1)	1/26/2006		Benzo(k)fluoranthene	0.074	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-18 (SCL-J5-S1)	1/26/2006		Benzo(b)fluoranthene	0.089	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-18 (SCL-J5-S1)	1/26/2006		Benzo(a)pyrene	0.046 J	0.137	B, Carc	No	<1	4.2	V	No	<1	Integral 6/8/06
S-18 (SCL-J5-S1)	1/26/2006		Benzo(a)anthracene	0.035 J	NA	NA	NA	NA	5.4	V	No	<1	Integral 6/8/06
S-18 (SCL-J5-S1)	1/26/2006		Aroclor 1254	0.420	1.6	B, NC	No	<1	1.3	V	No	<1	Integral 6/8/06
S-18 (SCL-J5-F1)	1/26/2006		Pyrene	0.400	2400	B, NC	No	<1	28	V	No	<1	Integral 6/8/06
S-18 (SCL-J5-F1)	1/26/2006		Phenanthrene	0.048 J	NA	NA	NA	NA	9.7	V	No	<1	Integral 6/8/06
<b>S-18 (SCL-J5-F1)</b>	<b>1/26/2006</b>		<b>PCB, total</b>	<b>28</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>56</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>22</b>	<b>Integral 6/8/06</b>
S-18 (SCL-J5-F1)	1/26/2006		PAHs, total carcinogenic	0.50	0.14	B, Carc	Yes	3.6	NA	NA	NA	NA	Integral 6/8/06
S-18 (SCL-J5-F1)	1/26/2006		Indeno(1,2,3-cd)pyrene	0.077	NA	NA	NA	NA	1.8	V	No	<1	Integral 6/8/06
S-18 (SCL-J5-F1)	1/26/2006		Heavy Oil Range Hydrocarbons	130	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-18 (SCL-J5-F1)	1/26/2006		Fluoranthene	0.440	3200	B, NC	No	<1	24	V	No	<1	Integral 6/8/06
S-18 (SCL-J5-F1)	1/26/2006		Diesel Range Hydrocarbons	42	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-18 (SCL-J5-F1)	1/26/2006		Chrysene	0.370	NA	NA	NA	NA	9.2	V	No	<1	Integral 6/8/06
S-18 (SCL-J5-F1)	1/26/2006		Benzo(k)fluoranthene	0.460	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-18 (SCL-J5-F1)	1/26/2006		Benzo(g,h,i)perylene	0.070	NA	NA	NA	NA	1.6	V	No	<1	Integral 6/8/06
S-18 (SCL-J5-F1)	1/26/2006		Benzo(b)fluoranthene	0.350	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
<b>S-18 (SCL-J5-F1)</b>	<b>1/26/2006</b>		<b>Benzo(a)pyrene</b>	<b>0.380</b>	<b>0.137</b>	<b>B, Carc</b>	<b>Yes</b>	<b>2.8</b>	<b>4.2</b>	<b>V</b>	<b>No</b>	<b>&lt;1</b>	<b>Integral 6/8/06</b>
S-18 (SCL-J5-F1)	1/26/2006		Benzo(a)anthracene	0.290	NA	NA	NA	NA	5.4	V	No	<1	Integral 6/8/06
S-18 (SCL-J5-F1)	1/26/2006		Aroclor 1260	8.9 U	NA	NA	NA	NA	1.3	V	RLE	6.8	Integral 6/8/06
<b>S-18 (SCL-J5-F1)</b>	<b>1/26/2006</b>		<b>Aroclor 1254</b>	<b>28</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>18</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>22</b>	<b>Integral 6/8/06</b>
S-18 (SCL-J5-F1)	1/26/2006		Aroclor 1248	8.9 U	NA	NA	NA	NA	1.3	V	RLE	6.8	Integral 6/8/06
S-18 (SCL-J5-F1)	1/26/2006		Aroclor 1016	8.9 U	5.6	B, NC	RLE	1.6	1.3	V	RLE	6.8	Integral 6/8/06
S-17 (SCL-J4-S1)	1/26/2006		PCB, total	0.150	0.5	B, Carc	No	<1	1.3	V	No	<1	Integral 6/8/06
S-17 (SCL-J4-S1)	1/26/2006		Heavy Oil Range Hydrocarbons	44	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06



**Table B-1**  
**GTSP: All Chemicals Detected in Soil Plus Non-Detects Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
S-17 (SCL-J4-S1)	1/26/2006		Fluoranthene	0.033 J	3200	B, NC	No	<1	24	V	No	<1	Integral 6/8/06
S-17 (SCL-J4-S1)	1/26/2006		Diesel Range Hydrocarbons	6.3	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-17 (SCL-J4-S1)	1/26/2006		Aroclor 1254	0.150	1.6	B, NC	No	<1	1.3	V	No	<1	Integral 6/8/06
S-17 (SCL-J4-F1)	1/26/2006		Pyrene	0.058 J	2400	B, NC	No	<1	28	V	No	<1	Integral 6/8/06
<b>S-17 (SCL-J4-F1)</b>	<b>1/26/2006</b>		<b>PCB, total</b>	<b>5.0</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>10</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>3.8</b>	<b>Integral 6/8/06</b>
S-17 (SCL-J4-F1)	1/26/2006		PAHs, total carcinogenic	0.010 J	0.14	B, Carc	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-17 (SCL-J4-F1)	1/26/2006		PAHs, total carcinogenic	0.077	0.14	B, Carc	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-17 (SCL-J4-F1)	1/26/2006		Heavy Oil Range Hydrocarbons	94	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-17 (SCL-J4-F1)	1/26/2006		Fluoranthene	0.088	3200	B, NC	No	<1	24	V	No	<1	Integral 6/8/06
S-17 (SCL-J4-F1)	1/26/2006		Diesel Range Hydrocarbons	17	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-17 (SCL-J4-F1)	1/26/2006		Chrysene	0.059 J	NA	NA	NA	NA	9.2	V	No	<1	Integral 6/8/06
S-17 (SCL-J4-F1)	1/26/2006		Benzo(k)fluoranthene	0.056 J	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-17 (SCL-J4-F1)	1/26/2006		Benzo(b)fluoranthene	0.086	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-17 (SCL-J4-F1)	1/26/2006		Benzo(a)pyrene	0.068	0.137	B, Carc	No	<1	4.2	V	No	<1	Integral 6/8/06
S-17 (SCL-J4-F1)	1/26/2006		Benzo(a)anthracene	0.038 J	NA	NA	NA	NA	5.4	V	No	<1	Integral 6/8/06
S-17 (SCL-J4-F1)	1/26/2006		Aroclor 1260	1.8 U	NA	NA	NA	NA	1.3	V	RLE	1.4	Integral 6/8/06
<b>S-17 (SCL-J4-F1)</b>	<b>1/26/2006</b>		<b>Aroclor 1254</b>	<b>5.0</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>3.1</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>3.8</b>	<b>Integral 6/8/06</b>
S-17 (SCL-J4-F1)	1/26/2006		Aroclor 1248	1.8 U	NA	NA	NA	NA	1.3	V	RLE	1.4	Integral 6/8/06
S-17 (SCL-J4-F1)	1/26/2006		Aroclor 1016	1.8 U	5.6	B, NC	No	<1	1.3	V	RLE	1.4	Integral 6/8/06
S-16 (SCL-J3-S1)	1/26/2006		PCB, total	0.087	0.5	B, Carc	No	<1	1.3	V	No	<1	Integral 6/8/06
S-16 (SCL-J3-S1)	1/26/2006		Heavy Oil Range Hydrocarbons	16	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-16 (SCL-J3-S1)	1/26/2006		Aroclor 1254	0.087	1.6	B, NC	No	<1	1.3	V	No	<1	Integral 6/8/06
S-16 (SCL-J3-F1)	1/26/2006		Pyrene	0.300	2400	B, NC	No	<1	28	V	No	<1	Integral 6/8/06
S-16 (SCL-J3-F1)	1/26/2006		Phenanthrene	0.055 J	NA	NA	NA	NA	9.7	V	No	<1	Integral 6/8/06
<b>S-16 (SCL-J3-F1)</b>	<b>1/26/2006</b>		<b>PCB, total</b>	<b>6.0</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>12</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>4.6</b>	<b>Integral 6/8/06</b>
S-16 (SCL-J3-F1)	1/26/2006		PAHs, total carcinogenic	0.0056 J	0.14	B, Carc	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-16 (SCL-J3-F1)	1/26/2006		PAHs, total carcinogenic	0.299	0.14	B, Carc	Yes	2.1	NA	NA	NA	NA	Integral 6/8/06
S-16 (SCL-J3-F1)	1/26/2006		Indeno(1,2,3-cd)pyrene	0.056 J	NA	NA	NA	NA	1.8	V	No	<1	Integral 6/8/06
S-16 (SCL-J3-F1)	1/26/2006		Heavy Oil Range Hydrocarbons	180	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-16 (SCL-J3-F1)	1/26/2006		Fluoranthene	0.400	3200	B, NC	No	<1	24	V	No	<1	Integral 6/8/06
S-16 (SCL-J3-F1)	1/26/2006		Diesel Range Hydrocarbons	41	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-16 (SCL-J3-F1)	1/26/2006		Chrysene	0.320	NA	NA	NA	NA	9.2	V	No	<1	Integral 6/8/06
S-16 (SCL-J3-F1)	1/26/2006		Benzo(k)fluoranthene	0.230	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-16 (SCL-J3-F1)	1/26/2006		Benzo(g,h,i)perylene	0.054 J	NA	NA	NA	NA	1.6	V	No	<1	Integral 6/8/06
S-16 (SCL-J3-F1)	1/26/2006		Benzo(b)fluoranthene	0.260	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-16 (SCL-J3-F1)	1/26/2006		Benzo(a)pyrene	0.220	0.137	B, Carc	Yes	1.6	4.2	V	No	<1	Integral 6/8/06
S-16 (SCL-J3-F1)	1/26/2006		Benzo(a)anthracene	0.260	NA	NA	NA	NA	5.4	V	No	<1	Integral 6/8/06
<b>S-16 (SCL-J3-F1)</b>	<b>1/26/2006</b>		<b>Aroclor 1254</b>	<b>6.0</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>3.8</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>4.6</b>	<b>Integral 6/8/06</b>
S-15 (SCL-J2-S2)	1/26/2006		PCB, total	0.315	0.5	B, Carc	No	<1	1.3	V	No	<1	Integral 6/8/06
S-15 (SCL-J2-S2)	1/26/2006		Heavy Oil Range Hydrocarbons	38	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-15 (SCL-J2-S2)	1/26/2006		Fluoranthene	0.035 J	3200	B, NC	No	<1	24	V	No	<1	Integral 6/8/06
S-15 (SCL-J2-S2)	1/26/2006		Aroclor 1254	0.320	1.6	B, NC	No	<1	1.3	V	No	<1	Integral 6/8/06
S-15 (SCL-J2-S1)	1/26/2006		Heavy Oil Range Hydrocarbons	31	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-15 (SCL-J2-S1)	1/26/2006		Fluoranthene	0.041 J	3200	B, NC	No	<1	24	V	No	<1	Integral 6/8/06
S-15 (SCL-J2-S1)	1/26/2006		Aroclor 1254	0.310	1.6	B, NC	No	<1	1.3	V	No	<1	Integral 6/8/06
S-15 (SCL-J2-F1)	1/26/2006		Pyrene	0.083	2400	B, NC	No	<1	28	V	No	<1	Integral 6/8/06
S-15 (SCL-J2-F1)	1/26/2006		Phenanthrene	0.055 J	NA	NA	NA	NA	9.7	V	No	<1	Integral 6/8/06
<b>S-15 (SCL-J2-F1)</b>	<b>1/26/2006</b>		<b>PCB, total</b>	<b>11</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>22</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>8.5</b>	<b>Integral 6/8/06</b>
S-15 (SCL-J2-F1)	1/26/2006		PAHs, total carcinogenic	0.065 J	0.14	B, Carc	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-15 (SCL-J2-F1)	1/26/2006		PAHs, total carcinogenic	0.015	0.14	B, Carc	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-15 (SCL-J2-F1)	1/26/2006		Heavy Oil Range Hydrocarbons	460	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-15 (SCL-J2-F1)	1/26/2006		Fluoranthene	0.130	3200	B, NC	No	<1	24	V	No	<1	Integral 6/8/06
S-15 (SCL-J2-F1)	1/26/2006		Diesel Range Hydrocarbons	60	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-15 (SCL-J2-F1)	1/26/2006		Chrysene	0.070	NA	NA	NA	NA	9.2	V	No	<1	Integral 6/8/06
S-15 (SCL-J2-F1)	1/26/2006		Benzo(k)fluoranthene	0.077	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-15 (SCL-J2-F1)	1/26/2006		Benzo(b)fluoranthene	0.069	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-15 (SCL-J2-F1)	1/26/2006		Benzo(a)pyrene	0.060 J	0.137	B, Carc	No	<1	4.2	V	No	<1	Integral 6/8/06

**Table B-1**  
**GTSP: All Chemicals Detected in Soil Plus Non-Detects Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
S-15 (SCL-J2-F1)	1/26/2006		Benzo(a)anthracene	0.050 J	NA	NA	NA	NA	5.4	V	No	<1	Integral 6/8/06
S-15 (SCL-J2-F1)	1/26/2006		Aroclor 1260	4.5 U	NA	NA	NA	NA	1.3	V	RLE	3.5	Integral 6/8/06
<b>S-15 (SCL-J2-F1)</b>	<b>1/26/2006</b>		<b>Aroclor 1254</b>	<b>11</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>6.9</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>8.5</b>	<b>Integral 6/8/06</b>
S-15 (SCL-J2-F1)	1/26/2006		Aroclor 1248	4.5 U	NA	NA	NA	NA	1.3	V	RLE	3.5	Integral 6/8/06
S-15 (SCL-J2-F1)	1/26/2006		Aroclor 1016	4.5 U	5.6	B, NC	No	<1	1.3	V	RLE	3.5	Integral 6/8/06
S-13 (SCL-J1-S1)	1/26/2006		Heavy Oil Range Hydrocarbons	25	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-13 (SCL-J1-F1)	1/26/2006		Pyrene	0.040 J	2400	B, NC	No	<1	28	V	No	<1	Integral 6/8/06
S-13 (SCL-J1-F1)	1/26/2006		PCB, total	0.520	0.5	B, Carc	No	1.0	1.3	V	No	<1	Integral 6/8/06
S-13 (SCL-J1-F1)	1/26/2006		PAHs, total carcinogenic	0.06212 J	0.14	B, Carc	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-13 (SCL-J1-F1)	1/26/2006		Heavy Oil Range Hydrocarbons	100	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-13 (SCL-J1-F1)	1/26/2006		Fluoranthene	0.047 J	3200	B, NC	No	<1	24	V	No	<1	Integral 6/8/06
S-13 (SCL-J1-F1)	1/26/2006		Diesel Range Hydrocarbons	12	2000	A	No	<1	NA	NA	NA	NA	Integral 6/8/06
S-13 (SCL-J1-F1)	1/26/2006		Chrysene	0.042 J	NA	NA	NA	NA	9.2	V	No	<1	Integral 6/8/06
S-13 (SCL-J1-F1)	1/26/2006		Benzo(k)fluoranthene	0.040 J	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-13 (SCL-J1-F1)	1/26/2006		Benzo(b)fluoranthene	0.053 J	NA	NA	NA	NA	9.0	V	No	<1	Integral 6/8/06
S-13 (SCL-J1-F1)	1/26/2006		Benzo(a)pyrene	0.049 J	0.137	B, Carc	No	<1	4.2	V	No	<1	Integral 6/8/06
S-13 (SCL-J1-F1)	1/26/2006		Benzo(a)anthracene	0.034 J	NA	NA	NA	NA	5.4	V	No	<1	Integral 6/8/06
S-13 (SCL-J1-F1)	1/26/2006		Aroclor 1254	0.520	1.6	B, NC	No	<1	1.3	V	No	<1	Integral 6/8/06
<b>S-19 (SCL-J6-B1)</b>	<b>1/27/2006</b>		<b>PCB, total</b>	<b>3900</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>7800</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>3000</b>	<b>Integral 6/8/06</b>
S-19 (SCL-J6-B1)	1/27/2006		Aroclor 1260	440 U	NA	NA	NA	NA	1.3	V	RLE	338	Integral 6/8/06
S-19 (SCL-J6-B1)	1/27/2006		Aroclor 1260	220 Y	NA	NA	NA	NA	1.3	V	RLE	169	Integral 6/8/06
<b>S-19 (SCL-J6-B1)</b>	<b>1/27/2006</b>		<b>Aroclor 1254</b>	<b>1800 E, P</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>1125</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>1385</b>	<b>Integral 6/8/06</b>
<b>S-19 (SCL-J6-B1)</b>	<b>1/27/2006</b>		<b>Aroclor 1254</b>	<b>3900</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>2438</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>3000</b>	<b>Integral 6/8/06</b>
S-19 (SCL-J6-B1)	1/27/2006		Aroclor 1248	440 U	NA	NA	NA	NA	1.3	V	RLE	338	Integral 6/8/06
S-19 (SCL-J6-B1)	1/27/2006		Aroclor 1248	270 Y	NA	NA	NA	NA	1.3	V	RLE	208	Integral 6/8/06
S-19 (SCL-J6-B1)	1/27/2006		Aroclor 1016	440 U	5.6	B, NC	RLE	79	1.3	V	RLE	338	Integral 6/8/06
S-19 (SCL-J6-B1)	1/27/2006		Aroclor 1016	27 Y	5.6	B, NC	RLE	4.8	1.3	V	RLE	21	Integral 6/8/06
<b>S-18 (SCL-J5-B1)</b>	<b>1/27/2006</b>		<b>PCB, total</b>	<b>16</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>32</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>12</b>	<b>Integral 6/8/06</b>
S-18 (SCL-J5-B1)	1/27/2006		Aroclor 1260	1.7 U	NA	NA	NA	NA	1.3	V	RLE	1.3	Integral 6/8/06
<b>S-18 (SCL-J5-B1)</b>	<b>1/27/2006</b>		<b>Aroclor 1254</b>	<b>16</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>10</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>12</b>	<b>Integral 6/8/06</b>
S-18 (SCL-J5-B1)	1/27/2006		Aroclor 1248	1.7 U	NA	NA	NA	NA	1.3	V	RLE	1.3	Integral 6/8/06
S-18 (SCL-J5-B1)	1/27/2006		Aroclor 1016	1.7 U	5.6	B, NC	No	<1	1.3	V	RLE	1.3	Integral 6/8/06
<b>S-17 (SCL-J4-B1)</b>	<b>1/27/2006</b>		<b>PCB, total</b>	<b>7.0</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>14</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>5.4</b>	<b>Integral 6/8/06</b>
S-17 (SCL-J4-B1)	1/27/2006		Aroclor 1260	2.1 U	NA	NA	NA	NA	1.3	V	RLE	1.6	Integral 6/8/06
<b>S-17 (SCL-J4-B1)</b>	<b>1/27/2006</b>		<b>Aroclor 1254</b>	<b>5.4 E</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>3.4</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>4.2</b>	<b>Integral 6/8/06</b>
<b>S-17 (SCL-J4-B1)</b>	<b>1/27/2006</b>		<b>Aroclor 1254</b>	<b>7.0</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>4.4</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>5.4</b>	<b>Integral 6/8/06</b>
S-17 (SCL-J4-B1)	1/27/2006		Aroclor 1248	2.1 U	NA	NA	NA	NA	1.3	V	RLE	1.6	Integral 6/8/06
S-17 (SCL-J4-B1)	1/27/2006		Aroclor 1016	2.1 U	5.6	B, NC	No	<1	1.3	V	RLE	1.6	Integral 6/8/06
<b>S-16 (SCL-J3-B1)</b>	<b>1/27/2006</b>		<b>PCB, total</b>	<b>28</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>56</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>22</b>	<b>Integral 6/8/06</b>
S-16 (SCL-J3-B1)	1/27/2006		Aroclor 1260	1.8 U	NA	NA	NA	NA	1.3	V	RLE	1.4	Integral 6/8/06
S-16 (SCL-J3-B1)	1/27/2006		Aroclor 1260	8.7 U	NA	NA	NA	NA	1.3	V	RLE	6.7	Integral 6/8/06
<b>S-16 (SCL-J3-B1)</b>	<b>1/27/2006</b>		<b>Aroclor 1254</b>	<b>24 E</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>15</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>18</b>	<b>Integral 6/8/06</b>
<b>S-16 (SCL-J3-B1)</b>	<b>1/27/2006</b>		<b>Aroclor 1254</b>	<b>28</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>18</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>22</b>	<b>Integral 6/8/06</b>
S-16 (SCL-J3-B1)	1/27/2006		Aroclor 1248	1.8 U	NA	NA	NA	NA	1.3	V	RLE	1.4	Integral 6/8/06
S-16 (SCL-J3-B1)	1/27/2006		Aroclor 1248	8.7 U	NA	NA	NA	NA	1.3	V	RLE	6.7	Integral 6/8/06
S-16 (SCL-J3-B1)	1/27/2006		Aroclor 1016	1.8 U	5.6	B, NC	No	<1	1.3	V	RLE	1.4	Integral 6/8/06
S-16 (SCL-J3-B1)	1/27/2006		Aroclor 1016	8.7 U	5.6	B, NC	RLE	1.6	1.3	V	RLE	6.7	Integral 6/8/06
<b>S-15 (SCL-J2-B1)</b>	<b>1/27/2006</b>		<b>PCB, total</b>	<b>36</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>72</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>28</b>	<b>Integral 6/8/06</b>
S-15 (SCL-J2-B1)	1/27/2006		Aroclor 1260	4.2 U	NA	NA	NA	NA	1.3	V	RLE	3.2	Integral 6/8/06
<b>S-15 (SCL-J2-B1)</b>	<b>1/27/2006</b>		<b>Aroclor 1254</b>	<b>36</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>23</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>28</b>	<b>Integral 6/8/06</b>
S-15 (SCL-J2-B1)	1/27/2006		Aroclor 1248	4.2 U	NA	NA	NA	NA	1.3	V	RLE	3.2	Integral 6/8/06
S-15 (SCL-J2-B1)	1/27/2006		Aroclor 1016	4.2 U	5.6	B, NC	No	<1	1.3	V	RLE	3.2	Integral 6/8/06
S-13 (SCL-J1-B2)	1/27/2006		PCB, total	0.063	0.5	B, Carc	No	<1	1.3	V	No	<1	Integral 6/8/06
S-13 (SCL-J1-B2)	1/27/2006		Aroclor 1254	0.063	1.6	B, NC	No	<1	1.3	V	No	<1	Integral 6/8/06
S-13 (SCL-J1-B1)	1/27/2006		PCB, total	0.070	0.5	B, Carc	No	<1	1.3	V	No	<1	Integral 6/8/06
S-13 (SCL-J1-B1)	1/27/2006		Aroclor 1254	0.070	1.6	B, NC	No	<1	1.3	V	No	<1	Integral 6/8/06
<b>SCL-1A12</b>	<b>5/16/2006</b>	<b>2.5</b>	<b>PCB, total</b>	<b>62</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>124</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>48</b>	<b>Integral 8/4/06</b>

**Table B-1**  
**GTSP: All Chemicals Detected in Soil Plus Non-Detects Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
SCL-1A12		5/16/2006	2.5	Aroclor 1260	18 U	NA	NA	NA	1.3	V	RLE	14	Integral 8/4/06
SCL-1A12	5/16/2006	2.5	Aroclor 1254	62	1.6	B, NC	Yes	39	1.3	V	Yes	48	Integral 8/4/06
SCL-1A12	5/16/2006	2.5	Aroclor 1248	18 U	NA	NA	NA	NA	1.3	V	RLE	14	Integral 8/4/06
SCL-1A12	5/16/2006	2.5	Aroclor 1016	18 U	5.6	B, NC	RLE	3.2	1.3	V	RLE	14	Integral 8/4/06
SCL-1A11	5/16/2006	2.5	PCB, total	120	0.5	B, Carc	Yes	240	1.3	V	Yes	92	Integral 8/4/06
SCL-1A11	5/16/2006	2.5	Aroclor 1260	22 U	NA	NA	NA	NA	1.3	V	RLE	17	Integral 8/4/06
SCL-1A11	5/16/2006	2.5	Aroclor 1254	120	1.6	B, NC	Yes	75	1.3	V	Yes	92	Integral 8/4/06
SCL-1A11	5/16/2006	2.5	Aroclor 1248	22 U	NA	NA	NA	NA	1.3	V	RLE	17	Integral 8/4/06
SCL-1A11	5/16/2006	2.5	Aroclor 1016	22 U	5.6	B, NC	RLE	3.9	1.3	V	RLE	17	Integral 8/4/06
SCL-1A10	5/16/2006	2.5	PCB, total	2000	0.5	B, Carc	Yes	4000	1.3	V	Yes	1538	Integral 8/4/06
SCL-1A10	5/16/2006	2.5	Aroclor 1260	870 U	NA	NA	NA	NA	1.3	V	RLE	669	Integral 8/4/06
SCL-1A10	5/16/2006	2.5	Aroclor 1254	2000	1.6	B, NC	Yes	1250	1.3	V	Yes	1538	Integral 8/4/06
SCL-1A10	5/16/2006	2.5	Aroclor 1248	870 U	NA	NA	NA	NA	1.3	V	RLE	669	Integral 8/4/06
SCL-1A10	5/16/2006	2.5	Aroclor 1016	870 U	5.6	B, NC	RLE	155	1.3	V	RLE	669	Integral 8/4/06
SCL-1A09	5/16/2006	2.5	PCB, total	2500	0.5	B, Carc	Yes	5000	1.3	V	Yes	1923	Integral 8/4/06
SCL-1A09	5/16/2006	2.5	Aroclor 1260	440 U	NA	NA	NA	NA	1.3	V	RLE	338	Integral 8/4/06
SCL-1A09	5/16/2006	2.5	Aroclor 1254	2500	1.6	B, NC	Yes	1563	1.3	V	Yes	1923	Integral 8/4/06
SCL-1A09	5/16/2006	2.5	Aroclor 1248	440 U	NA	NA	NA	NA	1.3	V	RLE	338	Integral 8/4/06
SCL-1A09	5/16/2006	2.5	Aroclor 1016	440 U	5.6	B, NC	RLE	79	1.3	V	RLE	338	Integral 8/4/06
SCL-1A08	5/16/2006	2.5	PCB, total	3800	0.5	B, Carc	Yes	7600	1.3	V	Yes	2923	Integral 8/4/06
SCL-1A08	5/16/2006	2.5	Aroclor 1260	910 U	NA	NA	NA	NA	1.3	V	RLE	700	Integral 8/4/06
SCL-1A08	5/16/2006	2.5	Aroclor 1254	3800	1.6	B, NC	Yes	2375	1.3	V	Yes	2923	Integral 8/4/06
SCL-1A08	5/16/2006	2.5	Aroclor 1248	910 U	NA	NA	NA	NA	1.3	V	RLE	700	Integral 8/4/06
SCL-1A08	5/16/2006	2.5	Aroclor 1016	910 U	5.6	B, NC	RLE	163	1.3	V	RLE	700	Integral 8/4/06
SCL-1A07	5/16/2006	2.6	PCB, total	930	0.5	B, Carc	Yes	1860	1.3	V	Yes	715	Integral 8/4/06
SCL-1A07	5/16/2006	2.6	Aroclor 1260	240 U	NA	NA	NA	NA	1.3	V	RLE	185	Integral 8/4/06
SCL-1A07	5/16/2006	2.6	Aroclor 1254	930	1.6	B, NC	Yes	581	1.3	V	Yes	715	Integral 8/4/06
SCL-1A07	5/16/2006	2.6	Aroclor 1248	240 U	NA	NA	NA	NA	1.3	V	RLE	185	Integral 8/4/06
SCL-1A07	5/16/2006	2.6	Aroclor 1016	240 U	5.6	B, NC	RLE	43	1.3	V	RLE	185	Integral 8/4/06
SCL-1A06	5/16/2006	2.2	PCB, total	1100	0.5	B, Carc	Yes	2200	1.3	V	Yes	846	Integral 8/4/06
SCL-1A06	5/16/2006	2.2	Aroclor 1260	230 U	NA	NA	NA	NA	1.3	V	RLE	177	Integral 8/4/06
SCL-1A06	5/16/2006	2.2	Aroclor 1254	1100	1.6	B, NC	Yes	688	1.3	V	Yes	846	Integral 8/4/06
SCL-1A06	5/16/2006	2.2	Aroclor 1248	230 U	NA	NA	NA	NA	1.3	V	RLE	177	Integral 8/4/06
SCL-1A06	5/16/2006	2.2	Aroclor 1016	230 U	5.6	B, NC	RLE	41	1.3	V	RLE	177	Integral 8/4/06
SCL-1A05	5/16/2006	1.8	PCB, total	110	0.5	B, Carc	Yes	220	1.3	V	Yes	85	Integral 8/4/06
SCL-1A05	5/16/2006	1.8	Aroclor 1260	22 U	NA	NA	NA	NA	1.3	V	RLE	17	Integral 8/4/06
SCL-1A05	5/16/2006	1.8	Aroclor 1254	110	1.6	B, NC	Yes	69	1.3	V	Yes	85	Integral 8/4/06
SCL-1A05	5/16/2006	1.8	Aroclor 1248	22 U	NA	NA	NA	NA	1.3	V	RLE	17	Integral 8/4/06
SCL-1A05	5/16/2006	1.8	Aroclor 1016	22 U	5.6	B, NC	RLE	3.9	1.3	V	RLE	17	Integral 8/4/06
SCL-1A04	5/16/2006	1.4	PCB, total	160	0.5	B, Carc	Yes	320	1.3	V	Yes	123	Integral 8/4/06
SCL-1A04	5/16/2006	1.4	Aroclor 1260	22 U	NA	NA	NA	NA	1.3	V	RLE	17	Integral 8/4/06
SCL-1A04	5/16/2006	1.4	Aroclor 1254	160	1.6	B, NC	Yes	100	1.3	V	Yes	123	Integral 8/4/06
SCL-1A04	5/16/2006	1.4	Aroclor 1248	22 U	NA	NA	NA	NA	1.3	V	RLE	17	Integral 8/4/06
SCL-1A04	5/16/2006	1.4	Aroclor 1016	22 U	5.6	B, NC	RLE	3.9	1.3	V	RLE	17	Integral 8/4/06
SCL-1A03	5/16/2006	1	PCB, total	140	0.5	B, Carc	Yes	280	1.3	V	Yes	108	Integral 8/4/06
SCL-1A03	5/16/2006	1	Aroclor 1260	22 U	NA	NA	NA	NA	1.3	V	RLE	17	Integral 8/4/06
SCL-1A03	5/16/2006	1	Aroclor 1254	140	1.6	B, NC	Yes	88	1.3	V	Yes	108	Integral 8/4/06
SCL-1A03	5/16/2006	1	Aroclor 1248	22 U	NA	NA	NA	NA	1.3	V	RLE	17	Integral 8/4/06
SCL-1A03	5/16/2006	1	Aroclor 1016	22 U	5.6	B, NC	RLE	3.9	1.3	V	RLE	17	Integral 8/4/06
SCL-1A02	5/16/2006	1	PCB, total	15	0.5	B, Carc	Yes	30	1.3	V	Yes	12	Integral 8/4/06
SCL-1A02	5/16/2006	1	Aroclor 1260	8.7 U	NA	NA	NA	NA	1.3	V	RLE	6.7	Integral 8/4/06
SCL-1A02	5/16/2006	1	Aroclor 1254	15	1.6	B, NC	Yes	9.4	1.3	V	Yes	12	Integral 8/4/06
SCL-1A02	5/16/2006	1	Aroclor 1248	8.7 U	NA	NA	NA	NA	1.3	V	RLE	6.7	Integral 8/4/06
SCL-1A02	5/16/2006	1	Aroclor 1016	8.7 U	5.6	B, NC	RLE	1.6	1.3	V	RLE	6.7	Integral 8/4/06
SCL-1A01	5/16/2006	1	PCB, total	890	0.5	B, Carc	Yes	1780	1.3	V	Yes	685	Integral 8/4/06
SCL-1A01	5/16/2006	1	Aroclor 1260	210 U	NA	NA	NA	NA	1.3	V	RLE	162	Integral 8/4/06
SCL-1A01	5/16/2006	1	Aroclor 1254	890	1.6	B, NC	Yes	556	1.3	V	Yes	685	Integral 8/4/06

**Table B-1**  
**GTSP: All Chemicals Detected in Soil Plus Non-Detects Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
SCL-1A01	5/16/2006	1	Aroclor 1248	210 U	NA	NA	NA	NA	1.3	V	RLE	162	Integral 8/4/06
SCL-1A01	5/16/2006	1	Aroclor 1016	210 U	5.6	B, NC	RLE	38	1.3	V	RLE	162	Integral 8/4/06
SCL-1A23	5/17/2006	3.1	PCB, total	0.33	0.5	B, Carc	No	<1	1.3	V	No	<1	Integral 8/4/06
SCL-1A23	5/17/2006	3.1	Aroclor 1254	0.33	1.6	B, NC	No	<1	1.3	V	No	<1	Integral 8/4/06
SCL-1A21	5/17/2006	3.2	PCB, total	120	0.5	B, Carc	Yes	240	1.3	V	Yes	92	Integral 8/4/06
SCL-1A21	5/17/2006	3.2	Aroclor 1260	21 U	NA	NA	NA	NA	1.3	V	RLE	16	Integral 8/4/06
SCL-1A21	5/17/2006	3.2	Aroclor 1254	120	1.6	B, NC	Yes	75	1.3	V	Yes	92	Integral 8/4/06
SCL-1A21	5/17/2006	3.2	Aroclor 1248	21 U	NA	NA	NA	NA	1.3	V	RLE	16	Integral 8/4/06
SCL-1A21	5/17/2006	3.2	Aroclor 1016	21 U	5.6	B, NC	RLE	3.8	1.3	V	RLE	16	Integral 8/4/06
SCL-1A19	5/17/2006	2.8	PCB, total	0.35	0.5	B, Carc	No	<1	1.3	V	No	<1	Integral 8/4/06
SCL-1A19	5/17/2006	2.8	Aroclor 1254	0.35	1.6	B, NC	No	<1	1.3	V	No	<1	Integral 8/4/06
SCL-1A17	5/17/2006	2.7	PCB, total	1.3	0.5	B, Carc	Yes	2.6	1.3	V	No	1.0	Integral 8/4/06
SCL-1A17	5/17/2006	2.7	Aroclor 1254	1.3	1.6	B, NC	No	<1	1.3	V	No	1.0	Integral 8/4/06
SCL-1A15	5/17/2006	2.7	PCB, total	2.2	0.5	B, Carc	Yes	4.4	1.3	V	Yes	1.7	Integral 8/4/06
SCL-1A15	5/17/2006	2.7	Aroclor 1254	2.2	1.6	B, NC	Yes	1.4	1.3	V	Yes	1.7	Integral 8/4/06
SCL-1A33	5/18/2006	3.4	PCB, total	0.198	0.5	B, Carc	No	<1	1.3	V	No	<1	Integral 8/4/06
SCL-1A33	5/18/2006	3.4	Aroclor 1260	0.038	NA	NA	NA	NA	1.3	V	No	<1	Integral 8/4/06
SCL-1A33	5/18/2006	3.4	Aroclor 1254	0.16	1.6	B, NC	No	<1	1.3	V	No	<1	Integral 8/4/06
SCL-1A32	5/18/2006	3.4	PCB, total	0.077	0.5	B, Carc	No	<1	1.3	V	No	<1	Integral 8/4/06
SCL-1A32	5/18/2006	3.4	Aroclor 1260	0.039	NA	NA	NA	NA	1.3	V	No	<1	Integral 8/4/06
SCL-1A32	5/18/2006	3.4	Aroclor 1254	0.038	1.6	B, NC	No	<1	1.3	V	No	<1	Integral 8/4/06
SCL-1A31	5/18/2006	3.4	PCB, total	0.060	0.5	B, Carc	No	<1	1.3	V	No	<1	Integral 8/4/06
SCL-1A31	5/18/2006	3.4	Aroclor 1260	0.033	NA	NA	NA	NA	1.3	V	No	<1	Integral 8/4/06
SCL-1A31	5/18/2006	3.4	Aroclor 1254	0.027	1.6	B, NC	No	<1	1.3	V	No	<1	Integral 8/4/06
SCL-1A29	5/18/2006	3.0	PCB, total	1.4	0.5	B, Carc	Yes	2.8	1.3	V	Yes	1.1	Integral 8/4/06
SCL-1A29	5/18/2006	3.0	Aroclor 1254	1.4	1.6	B, NC	No	<1	1.3	V	Yes	1.1	Integral 8/4/06
SCL-1A27	5/18/2006	2.8	PCB, total	1.2	0.5	B, Carc	Yes	2.4	1.3	V	No	<1	Integral 8/4/06
SCL-1A27	5/18/2006	2.8	Aroclor 1254	1.2	1.6	B, NC	No	<1	1.3	V	No	<1	Integral 8/4/06
SCL-1A25	5/18/2006	2.6	PCB, total	1.4	0.5	B, Carc	Yes	2.8	1.3	V	Yes	1.1	Integral 8/4/06
SCL-1A25	5/18/2006	2.6	Aroclor 1254	1.4	1.6	B, NC	No	<1	1.3	V	Yes	1.1	Integral 8/4/06
GTSP08-8-7-9	9/15/2008	7.0	PCB, total	0.037	0.5	B, Carc	No	<1	0.065	S	No	<1	Landau 10/31/08
GTSP08-8-7-9	9/15/2008	7.0	Aroclor 1248	0.037	NA	NA	NA	NA	0.065	S	No	<1	Landau 10/31/08
GTSP08-8-5-5-7	9/15/2008	5.5	PCB, total	6.2	0.5	B, Carc	Yes	12	0.065	S	Yes	95	Landau 10/31/08
GTSP08-8-5-5-7	9/15/2008	5.5	Aroclor 1260	0.11 U	NA	NA	NA	NA	0.065	S	RLE	1.7	Landau 10/31/08
GTSP08-8-5-5-7	9/15/2008	5.5	Aroclor 1254	3.4	1.6	B, NC	Yes	2.1	0.065	S	Yes	52	Landau 10/31/08
GTSP08-8-5-5-7	9/15/2008	5.5	Aroclor 1248	2.8	NA	NA	NA	NA	0.065	S	Yes	43	Landau 10/31/08
GTSP08-8-5-5-7	9/15/2008	5.5	Aroclor 1016	0.11 U	5.6	B, NC	No	<1	0.066	S	RLE	1.7	Landau 10/31/08
GTSP08-4-3-5	9/15/2008	4.0	PCB, total	1	0.5	B, Carc	Yes	2.0	1.3	V	No	<1	Landau 10/31/08
GTSP08-4-3-5	9/15/2008	4.0	Aroclor 1254	1	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 10/31/08
GTSP08-15-1.5-3.5	9/15/2008	1.5	PCB, total	0.082	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 10/31/08
GTSP08-15-1.5-3.5	9/15/2008	1.5	Aroclor 1254	0.082	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 10/31/08
GTSP08-13-7-9	9/15/2008	7.0	PCB, total	0.184	0.5	B, Carc	No	<1	0.065	S	Yes	2.8	Landau 10/31/08
GTSP08-13-7-9	9/15/2008	7.0	Aroclor 1254	0.11	1.6	B, NC	No	<1	0.065	S	Yes	1.7	Landau 10/31/08
GTSP08-13-7-9	9/15/2008	7.0	Aroclor 1248	0.074	NA	NA	NA	NA	0.065	S	Yes	1.1	Landau 10/31/08
GTSP08-13-3-5	9/15/2008	3.0	PCB, total	0.198	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 10/31/08
GTSP08-13-3-5	9/15/2008	3.0	Aroclor 1254	0.078	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 10/31/08
GTSP08-13-3-5	9/15/2008	3.0	Aroclor 1248	0.12	NA	NA	NA	NA	1.3	V	No	<1	Landau 10/31/08
GTSP08-12-6-8	9/15/2008	6.0	PCB, total	2.3	0.5	B, Carc	Yes	4.6	0.065	S	Yes	35	Landau 10/31/08
GTSP08-12-6-8	9/15/2008	6.0	Aroclor 1260	0.074 U	NA	NA	NA	NA	0.065	S	RLE	1.1	Landau 10/31/08
GTSP08-12-6-8	9/15/2008	6.0	Aroclor 1254	0.074 U	1.6	B, NC	No	<1	0.065	S	RLE	1.1	Landau 10/31/08
GTSP08-12-6-8	9/15/2008	6.0	Aroclor 1248	0.074 U	NA	NA	NA	NA	0.065	S	RLE	1.1	Landau 10/31/08
GTSP08-12-6-8	9/15/2008	6.0	Aroclor 1242	2.3	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/31/08
GTSP08-12-6-8	9/15/2008	6.0	Aroclor 1016	0.074 U	5.6	B, NC	No	<1	0.066	S	RLE	1.1	Landau 10/31/08
GTSP08-39-2-4	9/16/2008	2.0	PCB, total	0.113	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 10/31/08
GTSP08-39-2-4	9/16/2008	2.0	Aroclor 1260	0.043	NA	NA	NA	NA	1.3	V	No	<1	Landau 10/31/08
GTSP08-39-2-4	9/16/2008	2.0	Aroclor 1254	0.07	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 10/31/08
GTSP08-33-0.75-1.75	9/17/2008	0.75	PCB, total	0.037	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 10/31/08

**Table B-1  
GTSP: All Chemicals Detected in Soil Plus Non-Detects Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
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Notes:

feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

Soil samples from areas that have been excavated are not included in the table.

MTCA Cleanup Levels

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

RLE - Reporting limit exceeds MTCA Cleanup Level and/or Soil-to-Sediment Screening Level; analyte not detected.

Soil-to-Sediment Screening Levels

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the soil-to-sediment screening level.

RLE - Reporting limit exceeds MTCA Cleanup Level and/or Soil-to-Sediment Screening Level; analyte not detected.

Data Qualifiers

E - Indicates that the value exceeded the linear range of the laboratory equipment

J - Estimated value between the laboratory reporting limit and the method detection limit

P - Indicates the analyte was detected on two chromatographic columns, but the quantified values differ by 40% or greater relative percent difference with no obvious chromatographic interference.

U - Analyte not detected, number is the detection limit

Y - Reporting limit raised due to dilution, analyte not detected

Table B-2

## GTSP: All Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels

Well Name	Sample Date	Analyte	Concentration (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C Exceedence	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
GTSP-1	8/1/2006	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-1	8/1/2006	1,2-Dibromo-3-chloropropane	2 U	0.031	B, Carc	RLE	65	NA	NA	NA	Integral 11/16/07
GTSP-1	8/1/2006	2,4,6-Trichlorophenol	5 UJ	4	B, Carc	RLE	1.3	NA	NA	NA	Integral 11/16/07
GTSP-1	8/1/2006	3,3'-Dichlorobenzidine	5 UJ	0.19	B, Carc	RLE	26	NA	NA	NA	Integral 11/16/07
GTSP-1	8/1/2006	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Integral 11/16/07
GTSP-1	8/1/2006	Azobenzene	1 UJ	0.8	B, Carc	RLE	1.3	NA	NA	NA	Integral 11/16/07
GTSP-1	8/1/2006	Benzidine	5 UJ	0.00038	B, Carc	RLE	13158	NA	NA	NA	Integral 11/16/07
GTSP-1	8/1/2006	Benzo(g,h,i)perylene	0.1 U	NA	NA	NA	NA	0.029	RLE	3.4	Integral 11/16/07
GTSP-1	8/1/2006	bis(2-chloro-1-methylethyl)ether	1 UJ	0.63	B, Carc	RLE	1.6	NA	NA	NA	Integral 11/16/07
GTSP-1	8/1/2006	bis(2-chloroethyl)ether	0.1 U	0.04	B, Carc	RLE	2.5	NA	NA	NA	Integral 11/16/07
GTSP-1	8/1/2006	bis(2-Ethylhexyl)phthalate	1 UJ	6.3	B, Carc	No	<1	0.47	RLE	2.1	Integral 11/16/07
GTSP-1	8/1/2006	Dibenz(a,h)anthracene	0.1 U	NA	NA	NA	NA	0.013	RLE	7.7	Integral 11/16/07
GTSP-1	8/1/2006	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-1	8/1/2006	Hexachlorobenzene	0.1 U	0.055	B, Carc	RLE	1.8	0.029	RLE	3.4	Integral 11/16/07
GTSP-1	8/1/2006	Indeno(1,2,3-cd)pyrene	0.1 U	NA	NA	NA	NA	0.033	RLE	3.0	Integral 11/16/07
GTSP-1	8/1/2006	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Integral 11/16/07
GTSP-1	8/1/2006	Mercury, dissolved	0.1 U	2	A	No	<1	0.0074	RLE	14	Integral 11/16/07
GTSP-1	8/1/2006	N-Nitrosodimethylamine	0.5 U	0.00086	B, Carc	RLE	581	NA	NA	NA	Integral 11/16/07
GTSP-1	8/1/2006	Tetrachloroethene	0.032	0.081	B, Carc	No	<1	NA	NA	NA	Integral 11/16/07
GTSP-1	8/1/2006	Trichloroethene	1.2	0.49	B, Carc	Yes	2.4	NA	NA	NA	Integral 11/16/07
GTSP-1	11/17/2006	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-1	11/17/2006	1,2-Dibromo-3-chloropropane	0.5 UJ	0.031	B, Carc	RLE	16	NA	NA	NA	Integral 11/16/07
GTSP-1	11/17/2006	3,3'-Dichlorobenzidine	0.5 U	0.19	B, Carc	RLE	2.6	NA	NA	NA	Integral 11/16/07
GTSP-1	11/17/2006	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Integral 11/16/07
GTSP-1	11/17/2006	Benzidine	5 U	0.00038	B, Carc	RLE	13158	NA	NA	NA	Integral 11/16/07
GTSP-1	11/17/2006	bis(2-chloro-1-methylethyl)ether	1 U	0.63	B, Carc	RLE	1.6	NA	NA	NA	Integral 11/16/07
GTSP-1	11/17/2006	bis(2-chloroethyl)ether	1 U	0.04	B, Carc	RLE	25	NA	NA	NA	Integral 11/16/07
GTSP-1	11/17/2006	bis(2-Ethylhexyl)phthalate	1 U	6.3	B, Carc	No	<1	0.47	RLE	2.1	Integral 11/16/07
GTSP-1	11/17/2006	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-1	11/17/2006	Hexachlorobenzene	0.1 U	0.055	B, Carc	RLE	1.8	0.029	RLE	3.4	Integral 11/16/07
GTSP-1	11/17/2006	Naphthalene	0.046	160	A	No	<1	92	No	<1	Integral 11/16/07
GTSP-1	11/17/2006	N-Nitrosodimethylamine	0.5 U	0.00086	B, Carc	RLE	581	NA	NA	NA	Integral 11/16/07
GTSP-1	11/17/2006	Tetrachloroethene	0.033	0.081	B, Carc	No	<1	NA	NA	NA	Integral 11/16/07
GTSP-1	11/17/2006	Trichloroethene	1.0	0.49	B, Carc	Yes	2.0	NA	NA	NA	Integral 11/16/07
GTSP-1	3/1/2007	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-1	3/1/2007	1,2-Dibromo-3-chloropropane	0.5 U	0.031	B, Carc	RLE	16	NA	NA	NA	Integral 11/16/07
GTSP-1	3/1/2007	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-1	3/1/2007	Trichloroethene	0.98	0.49	B, Carc	Yes	2.0	NA	NA	NA	Integral 11/16/07
GTSP-1	5/31/2007	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-1	5/31/2007	1,2-Dibromo-3-chloropropane	0.5 U	0.031	B, Carc	RLE	16	NA	NA	NA	Integral 11/16/07
GTSP-1	5/31/2007	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Integral 11/16/07
GTSP-1	5/31/2007	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-1	5/31/2007	Naphthalene	0.035	160	A	No	<1	92	No	<1	Integral 11/16/07
GTSP-1	5/31/2007	Tetrachloroethene	0.048	0.081	B, Carc	No	<1	NA	NA	NA	Integral 11/16/07



Table B-2

## GTSP: All Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels

Well Name	Sample Date	Analyte	Concentration (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
GTSP-1	5/31/2007	Trichloroethene	1.1	0.49	B, Carc	Yes	2.2	NA	NA	NA	Integral 11/16/07
GTSP-2	8/1/2006	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-2	8/1/2006	1,2-Dibromo-3-chloropropane	2 U	0.031	B, Carc	RLE	65	NA	NA	NA	Integral 11/16/07
GTSP-2	8/1/2006	2,4,6-Trichlorophenol	5 U	4	B, Carc	RLE	1.3	NA	NA	NA	Integral 11/16/07
GTSP-2	8/1/2006	3,3'-Dichlorobenzidine	5 UJ	0.19	B, Carc	RLE	26	NA	NA	NA	Integral 11/16/07
GTSP-2	8/1/2006	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Integral 11/16/07
GTSP-2	8/1/2006	Azobenzene	1 UJ	0.8	B, Carc	RLE	1.3	NA	NA	NA	Integral 11/16/07
GTSP-2	8/1/2006	Benidine	5 UJ	0.00038	B, Carc	RLE	13158	NA	NA	NA	Integral 11/16/07
GTSP-2	8/1/2006	Benzo(g,h,i)perylene	0.1 U	NA	NA	NA	NA	0.029	RLE	3.4	Integral 11/16/07
GTSP-2	8/1/2006	bis(2-chloro-1-methylethyl)ether	1 UJ	0.63	B, Carc	RLE	1.6	NA	NA	NA	Integral 11/16/07
GTSP-2	8/1/2006	bis(2-chloroethyl)ether	0.1 U	0.04	B, Carc	RLE	2.5	NA	NA	NA	Integral 11/16/07
GTSP-2	8/1/2006	bis(2-Ethylhexyl)phthalate	1 U	6.3	B, Carc	No	<1	0.47	RLE	2.1	Integral 11/16/07
GTSP-2	8/1/2006	Dibenz(a,h)anthracene	0.1 U	NA	NA	NA	NA	0.013	RLE	7.7	Integral 11/16/07
GTSP-2	8/1/2006	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-2	8/1/2006	Hexachlorobenzene	0.1 U	0.055	B, Carc	RLE	1.8	0.029	RLE	3.4	Integral 11/16/07
GTSP-2	8/1/2006	Indeno(1,2,3-cd)pyrene	0.1 U	NA	NA	NA	NA	0.033	RLE	3.0	Integral 11/16/07
GTSP-2	8/1/2006	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Integral 11/16/07
GTSP-2	8/1/2006	Mercury, dissolved	0.1 U	2	A	No	<1	0.0074	RLE	14	Integral 11/16/07
GTSP-2	8/1/2006	N-Nitrosodimethylamine	0.5 U	0.00086	B, Carc	RLE	581	NA	NA	NA	Integral 11/16/07
GTSP-2	11/17/2006	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-2	11/17/2006	1,2-Dibromo-3-chloropropane	0.5 U	0.031	B, Carc	RLE	16	NA	NA	NA	Integral 11/16/07
GTSP-2	11/17/2006	3,3'-Dichlorobenzidine	0.5 U	0.19	B, Carc	RLE	2.6	NA	NA	NA	Integral 11/16/07
GTSP-2	11/17/2006	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Integral 11/16/07
GTSP-2	11/17/2006	Benidine	5 U	0.00038	B, Carc	RLE	13158	NA	NA	NA	Integral 11/16/07
GTSP-2	11/17/2006	bis(2-chloro-1-methylethyl)ether	1 U	0.63	B, Carc	RLE	1.6	NA	NA	NA	Integral 11/16/07
GTSP-2	11/17/2006	bis(2-chloroethyl)ether	0.1 U	0.04	B, Carc	RLE	2.5	NA	NA	NA	Integral 11/16/07
GTSP-2	11/17/2006	bis(2-chloroethyl)ether	1 U	0.04	B, Carc	RLE	25	NA	NA	NA	Integral 11/16/07
GTSP-2	11/17/2006	bis(2-Ethylhexyl)phthalate	1 U	6.3	B, Carc	No	<1	0.47	RLE	2.1	Integral 11/16/07
GTSP-2	11/17/2006	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-2	11/17/2006	Hexachlorobenzene	0.1 U	0.055	B, Carc	RLE	1.8	0.029	RLE	3.4	Integral 11/16/07
GTSP-2	11/17/2006	Naphthalene	0.056	160	A	No	<1	92	No	<1	Integral 11/16/07
GTSP-2	11/17/2006	N-Nitrosodimethylamine	0.5 U	0.00086	B, Carc	RLE	581	NA	NA	NA	Integral 11/16/07
GTSP-2	3/1/2007	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-2	3/1/2007	1,2-Dibromo-3-chloropropane	0.5 U	0.031	B, Carc	RLE	16	NA	NA	NA	Integral 11/16/07
GTSP-2	3/1/2007	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Integral 11/16/07
GTSP-2	3/1/2007	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-2	5/31/2007	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-2	5/31/2007	1,2-Dibromo-3-chloropropane	0.5 U	0.031	B, Carc	RLE	16	NA	NA	NA	Integral 11/16/07
GTSP-2	5/31/2007	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Integral 11/16/07
GTSP-2	5/31/2007	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-2	5/31/2007	Naphthalene	0.029	160	A	No	<1	92	No	<1	Integral 11/16/07
GTSP-3	8/1/2006	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-3	8/1/2006	1,2-Dibromo-3-chloropropane	0.5 U	0.031	B, Carc	RLE	16	NA	NA	NA	Integral 11/16/07
GTSP-3	8/1/2006	2,4,6-Trichlorophenol	5 U	4	B, Carc	RLE	1.3	NA	NA	NA	Integral 11/16/07



Table B-2

## GTSP: All Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels

Well Name	Sample Date	Analyte	Concentration (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
GTSP-3	8/1/2006	3,3'-Dichlorobenzidine	5 U	0.19	B, Care	RLE	26	NA	NA	NA	Integral 11/16/07
GTSP-3	8/1/2006	Acrylonitrile	1 U	0.081	B, Care	RLE	12	NA	NA	NA	Integral 11/16/07
GTSP-3	8/1/2006	Azobenzene	1 U	0.8	B, Care	RLE	1.3	NA	NA	NA	Integral 11/16/07
GTSP-3	8/1/2006	Benidine	5 U	0.00038	B, Care	RLE	13158	NA	NA	NA	Integral 11/16/07
GTSP-3	8/1/2006	Benzo(g,h,i)perylene	0.1 U	NA	NA	NA	NA	0.029	RLE	3.4	Integral 11/16/07
GTSP-3	8/1/2006	bis(2-chloro-1-methylethyl)ether	1 U	0.63	B, Care	RLE	1.6	NA	NA	NA	Integral 11/16/07
GTSP-3	8/1/2006	bis(2-chloroethyl)ether	0.1 U	0.04	B, Care	RLE	2.5	NA	NA	NA	Integral 11/16/07
GTSP-3	8/1/2006	bis(2-Ethylhexyl)phthalate	1 U	6.3	B, Care	No	<1	0.47	RLE	2.1	Integral 11/16/07
GTSP-3	8/1/2006	Dibenz(a,h)anthracene	0.1 U	NA	NA	NA	NA	0.013	RLE	7.7	Integral 11/16/07
GTSP-3	8/1/2006	Ethylene Dibromide	0.2 U	0.00051	B, Care	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-3	8/1/2006	Hexachlorobenzene	0.1 U	0.055	B, Care	RLE	1.8	0.029	RLE	3.4	Integral 11/16/07
GTSP-3	8/1/2006	Indeno(1,2,3-cd)pyrene	0.1 U	NA	NA	NA	NA	0.033	RLE	3.0	Integral 11/16/07
GTSP-3	8/1/2006	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Integral 11/16/07
GTSP-3	8/1/2006	N-Nitrosodimethylamine	0.5 U	0.00086	B, Care	RLE	581	NA	NA	NA	Integral 11/16/07
GTSP-3	11/17/2006	1,2,3-Trichloropropane	0.5 U	0.0063	B, Care	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-3	11/17/2006	1,2-Dibromo-3-chloropropane	0.5 U	0.031	B, Care	RLE	16	NA	NA	NA	Integral 11/16/07
GTSP-3	11/17/2006	3,3'-Dichlorobenzidine	0.5 U	0.19	B, Care	RLE	2.6	NA	NA	NA	Integral 11/16/07
GTSP-3	11/17/2006	Acrylonitrile	1 U	0.081	B, Care	RLE	12	NA	NA	NA	Integral 11/16/07
GTSP-3	11/17/2006	Benidine	5 U	0.00038	B, Care	RLE	13158	NA	NA	NA	Integral 11/16/07
GTSP-3	11/17/2006	bis(2-chloro-1-methylethyl)ether	1 U	0.63	B, Care	RLE	1.6	NA	NA	NA	Integral 11/16/07
GTSP-3	11/17/2006	bis(2-chloroethyl)ether	0.1 U	0.04	B, Care	RLE	2.5	NA	NA	NA	Integral 11/16/07
GTSP-3	11/17/2006	bis(2-chloroethyl)ether	1 U	0.04	B, Care	RLE	25	NA	NA	NA	Integral 11/16/07
GTSP-3	11/17/2006	bis(2-Ethylhexyl)phthalate	1 U	6.3	B, Care	No	<1	0.47	RLE	2.1	Integral 11/16/07
GTSP-3	11/17/2006	Ethylene Dibromide	0.2 U	0.00051	B, Care	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-3	11/17/2006	Hexachlorobenzene	0.1 U	0.055	B, Care	RLE	1.8	0.029	RLE	3.4	Integral 11/16/07
GTSP-3	11/17/2006	N-Nitrosodimethylamine	0.5 U	0.00086	B, Care	RLE	581	NA	NA	NA	Integral 11/16/07
GTSP-3	3/1/2007	1,2,3-Trichloropropane	0.5 U	0.0063	B, Care	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-3	3/1/2007	1,2-Dibromo-3-chloropropane	0.5 U	0.031	B, Care	RLE	16	NA	NA	NA	Integral 11/16/07
GTSP-3	3/1/2007	Acrylonitrile	1 U	0.081	B, Care	RLE	12	NA	NA	NA	Integral 11/16/07
GTSP-3	3/1/2007	Ethylene Dibromide	0.2 U	0.00051	B, Care	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-3	3/1/2007	Naphthalene	0.01	160	A	No	<1	92	No	<1	Integral 11/16/07
GTSP-3	5/31/2007	1,2,3-Trichloropropane	0.5 U	0.0063	B, Care	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-3	5/31/2007	1,2-Dibromo-3-chloropropane	0.5 U	0.031	B, Care	RLE	16	NA	NA	NA	Integral 11/16/07
GTSP-3	5/31/2007	Acrylonitrile	1 U	0.081	B, Care	RLE	12	NA	NA	NA	Integral 11/16/07
GTSP-3	5/31/2007	Ethylene Dibromide	0.2 U	0.00051	B, Care	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-3	5/31/2007	Naphthalene	0.02	160	A	No	<1	92	No	<1	Integral 11/16/07
GTSP-4	8/1/2006	1,2,3-Trichloropropane	0.5 U	0.0063	B, Care	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-4	8/1/2006	1,2-Dibromo-3-chloropropane	0.5 U	0.031	B, Care	RLE	16	NA	NA	NA	Integral 11/16/07
GTSP-4	8/1/2006	2,4,6-Trichlorophenol	5 U	4	B, Care	RLE	1.3	NA	NA	NA	Integral 11/16/07
GTSP-4	8/1/2006	3,3'-Dichlorobenzidine	5 U	0.19	B, Care	RLE	26	NA	NA	NA	Integral 11/16/07
GTSP-4	8/1/2006	Acrylonitrile	1 U	0.081	B, Care	RLE	12	NA	NA	NA	Integral 11/16/07
GTSP-4	8/1/2006	Azobenzene	1 U	0.8	B, Care	RLE	1.3	NA	NA	NA	Integral 11/16/07
GTSP-4	8/1/2006	Benidine	5 U	0.00038	B, Care	RLE	13158	NA	NA	NA	Integral 11/16/07
GTSP-4	8/1/2006	Benzo(g,h,i)perylene	0.1 U	NA	NA	NA	NA	0.029	RLE	3.4	Integral 11/16/07

Table B-2

## GTSP: All Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels

Well Name	Sample Date	Analyte	Concentration (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
GTSP-4	8/1/2006	bis(2-chloro-1-methylethyl)ether	1 U	0.63	B, Carc	RLE	1.6	NA	NA	NA	Integral 11/16/07
GTSP-4	8/1/2006	bis(2-chloroethyl)ether	0.1 U	0.04	B, Carc	RLE	2.5	NA	NA	NA	Integral 11/16/07
GTSP-4	8/1/2006	bis(2-Ethylhexyl)phthalate	1 U	6.3	B, Carc	No	<1	0.47	RLE	2.1	Integral 11/16/07
GTSP-4	8/1/2006	Dibenz(a,h)anthracene	0.1 U	NA	NA	NA	NA	0.013	RLE	7.7	Integral 11/16/07
GTSP-4	8/1/2006	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-4	8/1/2006	Hexachlorobenzene	0.1 U	0.055	B, Carc	RLE	1.8	0.029	RLE	3.4	Integral 11/16/07
GTSP-4	8/1/2006	Indeno(1,2,3-cd)pyrene	0.1 U	NA	NA	NA	NA	0.033	RLE	3.0	Integral 11/16/07
GTSP-4	8/1/2006	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Integral 11/16/07
GTSP-4	8/1/2006	N-Nitrosodimethylamine	0.5 U	0.00086	B, Carc	RLE	581	NA	NA	NA	Integral 11/16/07
GTSP-4	8/1/2006	Tetrachloroethene	0.067	0.081	B, Carc	No	<1	NA	NA	NA	Integral 11/16/07
GTSP-4	8/1/2006	Trichloroethene	0.1	0.49	B, Carc	No	<1	NA	NA	NA	Integral 11/16/07
GTSP-4	11/17/2006	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-4	11/17/2006	1,2-Dibromo-3-chloropropane	0.5 U	0.031	B, Carc	RLE	16	NA	NA	NA	Integral 11/16/07
GTSP-4	11/17/2006	3,3'-Dichlorobenzidine	0.5 U	0.19	B, Carc	RLE	2.6	NA	NA	NA	Integral 11/16/07
GTSP-4	11/17/2006	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Integral 11/16/07
GTSP-4	11/17/2006	Benzidine	5 U	0.00038	B, Carc	RLE	13158	NA	NA	NA	Integral 11/16/07
GTSP-4	11/17/2006	bis(2-chloro-1-methylethyl)ether	1 U	0.63	B, Carc	RLE	1.6	NA	NA	NA	Integral 11/16/07
GTSP-4	11/17/2006	bis(2-chloroethyl)ether	0.1 U	0.04	B, Carc	RLE	2.5	NA	NA	NA	Integral 11/16/07
GTSP-4	11/17/2006	bis(2-chloroethyl)ether	1 U	0.04	B, Carc	RLE	25	NA	NA	NA	Integral 11/16/07
GTSP-4	11/17/2006	bis(2-Ethylhexyl)phthalate	1 U	6.3	B, Carc	No	<1	0.47	RLE	2.1	Integral 11/16/07
GTSP-4	11/17/2006	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-4	11/17/2006	Hexachlorobenzene	0.1 U	0.055	B, Carc	RLE	1.8	0.029	RLE	3.4	Integral 11/16/07
GTSP-4	11/17/2006	N-Nitrosodimethylamine	0.5 U	0.00086	B, Carc	RLE	581	NA	NA	NA	Integral 11/16/07
GTSP-4	11/17/2006	Tetrachloroethene	0.012	0.081	B, Carc	No	<1	NA	NA	NA	Integral 11/16/07
GTSP-4	11/17/2006	Trichloroethene	0.044	0.49	B, Carc	No	<1	NA	NA	NA	Integral 11/16/07
GTSP-4	3/1/2007	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-4	3/1/2007	1,2-Dibromo-3-chloropropane	0.5 U	0.031	B, Carc	RLE	16	NA	NA	NA	Integral 11/16/07
GTSP-4	3/1/2007	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Integral 11/16/07
GTSP-4	3/1/2007	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-4	3/1/2007	Trichloroethene	0.052	0.49	B, Carc	No	<1	NA	NA	NA	Integral 11/16/07
GTSP-4	5/31/2007	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-4	5/31/2007	1,2-Dibromo-3-chloropropane	0.5 U	0.031	B, Carc	RLE	16	NA	NA	NA	Integral 11/16/07
GTSP-4	5/31/2007	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Integral 11/16/07
GTSP-4	5/31/2007	Chloroform	0.5	7.2	B, Carc	No	<1	NA	NA	NA	Integral 11/16/07
GTSP-4	5/31/2007	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-4	5/31/2007	Naphthalene	0.015	160	A	No	<1	92	No	<1	Integral 11/16/07
GTSP-4	5/31/2007	Tetrachloroethene	0.047	0.081	B, Carc	No	<1	NA	NA	NA	Integral 11/16/07
GTSP-4	5/31/2007	Trichloroethene	0.12	0.49	B, Carc	No	<1	NA	NA	NA	Integral 11/16/07
GTSP-5	8/1/2006	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-5	8/1/2006	1,2-Dibromo-3-chloropropane	0.5 U	0.031	B, Carc	RLE	16	NA	NA	NA	Integral 11/16/07
GTSP-5	8/1/2006	2,4,6-Trichlorophenol	5 U	4	B, Carc	RLE	1.3	NA	NA	NA	Integral 11/16/07
GTSP-5	8/1/2006	3,3'-Dichlorobenzidine	5 U	0.19	B, Carc	RLE	26	NA	NA	NA	Integral 11/16/07
GTSP-5	8/1/2006	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Integral 11/16/07
GTSP-5	8/1/2006	Aroclor 1242	0.24	NA	NA	NA	NA	NA	NA	NA	Integral 11/16/07

Table B-2

## GTSP: All Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels

Well Name	Sample Date	Analyte	Concentration (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
GTSP-5	8/1/2006	Azobenzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Integral 11/16/07
GTSP-5	8/1/2006	Benzidine	5 U	0.00038	B, Carc	RLE	13158	NA	NA	NA	Integral 11/16/07
GTSP-5	8/1/2006	Benzo(g,h,i)perylene	0.1 U	NA	NA	NA	NA	0.029	RLE	3.4	Integral 11/16/07
GTSP-5	8/1/2006	bis(2-chloro-1-methylethyl)ether	1 U	0.63	B, Carc	RLE	1.6	NA	NA	NA	Integral 11/16/07
GTSP-5	8/1/2006	bis(2-chloroethyl)ether	0.1 U	0.04	B, Carc	RLE	2.5	NA	NA	NA	Integral 11/16/07
GTSP-5	8/1/2006	bis(2-Ethylhexyl)phthalate	1 U	6.3	B, Carc	No	<1	0.47	RLE	2.1	Integral 11/16/07
GTSP-5	8/1/2006	Dibenz(a,h)anthracene	0.1 U	NA	NA	NA	NA	0.013	RLE	7.7	Integral 11/16/07
GTSP-5	8/1/2006	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-5	8/1/2006	Hexachlorobenzene	0.1 U	0.055	B, Carc	RLE	1.8	0.029	RLE	3.4	Integral 11/16/07
GTSP-5	8/1/2006	Indeno(1,2,3-cd)pyrene	0.1 U	NA	NA	NA	NA	0.033	RLE	3.0	Integral 11/16/07
GTSP-5	8/1/2006	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Integral 11/16/07
GTSP-5	8/1/2006	N-Nitrosodimethylamine	0.5 U	0.00086	B, Carc	RLE	581	NA	NA	NA	Integral 11/16/07
GTSP-5	8/1/2006	PCB, total	0.24 T	0.044	B, Carc	Yes	5.5	1.5	No	<1	Integral 11/16/07
GTSP-5	8/1/2006	PCB, total	0.24	0.044	B, Carc	Yes	5.5	1.5	No	<1	Integral 11/16/07
GTSP-5	8/1/2006	Tributyl Phosphate (TBP)	3.9	NA	NA	NA	NA	NA	NA	NA	Integral 11/16/07
GTSP-5	11/17/2006	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-5	11/17/2006	1,2-Dibromo-3-chloropropane	0.5 UJ	0.031	B, Carc	RLE	16	NA	NA	NA	Integral 11/16/07
GTSP-5	11/17/2006	3,3'-Dichlorobenzidine	0.5 U	0.19	B, Carc	RLE	2.6	NA	NA	NA	Integral 11/16/07
GTSP-5	11/17/2006	Acenaphthene	0.025	960	B, NC	No	<1	9.3	No	<1	Integral 11/16/07
GTSP-5	11/17/2006	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Integral 11/16/07
GTSP-5	11/17/2006	Aroclor 1242	0.19	NA	NA	NA	NA	NA	NA	NA	Integral 11/16/07
GTSP-5	11/17/2006	Benzidine	5 U	0.00038	B, Carc	RLE	13158	NA	NA	NA	Integral 11/16/07
GTSP-5	11/17/2006	bis(2-chloro-1-methylethyl)ether	1 U	0.63	B, Carc	RLE	1.6	NA	NA	NA	Integral 11/16/07
GTSP-5	11/17/2006	bis(2-chloroethyl)ether	0.1 U	0.04	B, Carc	RLE	2.5	NA	NA	NA	Integral 11/16/07
GTSP-5	11/17/2006	bis(2-chloroethyl)ether	1 U	0.04	B, Carc	RLE	25	NA	NA	NA	Integral 11/16/07
GTSP-5	11/17/2006	bis(2-Ethylhexyl)phthalate	1 U	6.3	B, Carc	No	<1	0.47	RLE	2.1	Integral 11/16/07
GTSP-5	11/17/2006	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-5	11/17/2006	Fluorene	0.011	640	B, NC	No	<1	7.0	No	<1	Integral 11/16/07
GTSP-5	11/17/2006	Hexachlorobenzene	0.1 U	0.055	B, Carc	RLE	1.8	0.029	RLE	3.4	Integral 11/16/07
GTSP-5	11/17/2006	Naphthalene	0.08	160	A	No	<1	92	No	<1	Integral 11/16/07
GTSP-5	11/17/2006	N-Nitrosodimethylamine	0.5 U	0.00086	B, Carc	RLE	581	NA	NA	NA	Integral 11/16/07
GTSP-5	11/17/2006	PCB, total	0.19 T	0.044	B, Carc	Yes	4.3	1.5	No	<1	Integral 11/16/07
GTSP-5	11/17/2006	PCB, total	0.19	0.044	B, Carc	Yes	4.3	1.5	No	<1	Integral 11/16/07
GTSP-5	11/17/2006	Tributyl Phosphate (TBP)	4.1	NA	NA	NA	NA	NA	NA	NA	Integral 11/16/07
GTSP-5	3/1/2007	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-5	3/1/2007	1,2-Dibromo-3-chloropropane	0.5 U	0.031	B, Carc	RLE	16	NA	NA	NA	Integral 11/16/07
GTSP-5	3/1/2007	2-Methyl naphthalene	0.012	32	B, NC	No	<1	31	No	<1	Integral 11/16/07
GTSP-5	3/1/2007	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Integral 11/16/07
GTSP-5	3/1/2007	Aroclor 1242	0.16 NJ	NA	NA	NA	NA	NA	NA	NA	Integral 11/16/07
GTSP-5	3/1/2007	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-5	3/1/2007	PCB, total	0.16 NJT	0.044	B, Carc	Yes	3.6	1.5	No	<1	Integral 11/16/07
GTSP-5	3/1/2007	Tributyl Phosphate (TBP)	3.4	NA	NA	NA	NA	NA	NA	NA	Integral 11/16/07
GTSP-5	5/31/2007	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Integral 11/16/07
GTSP-5	5/31/2007	1,2-Dibromo-3-chloropropane	0.5 U	0.031	B, Carc	RLE	16	NA	NA	NA	Integral 11/16/07

**Table B-2**

**GTSP: All Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Concentration (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
GTSP-5	5/31/2007	Acenaphthene	0.016	960	B, NC	No	<1	9.3	No	<1	Integral 11/16/07
GTSP-5	5/31/2007	Acetone	3.6	800	B, NC	No	<1	NA	NA	NA	Integral 11/16/07
GTSP-5	5/31/2007	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Integral 11/16/07
GTSP-5	5/31/2007	Aroclor 1242	0.17 NJ	NA	NA	NA	NA	NA	NA	NA	Integral 11/16/07
GTSP-5	5/31/2007	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Integral 11/16/07
GTSP-5	5/31/2007	Naphthalene	0.13	160	A	No	<1	92	No	<1	Integral 11/16/07
GTSP-5	5/31/2007	PCB, total	0.17 NJT	0.044	B, Carc	Yes	3.9	1.5	No	<1	Integral 11/16/07
GTSP-5	5/31/2007	Tributyl Phosphate (TBP)	2.8	NA	NA	NA	NA	NA	NA	NA	Integral 11/16/07

Notes:

ug/L - micrograms per liter

GW - groundwater

MTCA Cleanup Levels

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

RLE - Reporting limit exceeds MTCA Cleanup Level and/or Groundwater-to-Sediment Screening Level; analyte not detected.

Groundwater-to-Sediment Screening Levels

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

RLE - Reporting limit exceeds MTCA Cleanup Level and/or Groundwater-to-Sediment Screening Level; analyte not detected.

Data Qualifiers

NJ - Indicates the analyte was not definitively identified and the reported value is an estimate

T - Indicates the associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors)

U - Analyte not detected, number is the detection limit

UJ - Analyte not detected, number is the estimated detection limit

## **Appendix C**

### **North Boeing Field Historical Building Information**

**C1. Summary**

**C2. Aerial Photographs**

**C3. Historical Maps and Building  
Information (Boeing 2008)**



## Appendix C1

### North Boeing Field Site Development

In an effort to more thoroughly understand and evaluate the development, demolition, and modification of buildings located on the North Boeing Field and Georgetown Steam Plant property, SAIC reviewed a combination of historical aerial photographs, historical maps, and documents. Aerial photographs were reviewed for years 1946, 1956, 1960, 1969, 1974, 1980, 1992, and 1995 and are provided in Appendix C-2. Historical maps and various historical documents were reviewed for years 1944, 1950, 1955, 1956, 1984, 1988, 1993, 1988, 2002, and 2008 and are provided in Appendix C-3. It is important to note that exact dates and information was not available for most buildings. Documents reviewed by SAIC often provided only snapshots in time of various construction activities, which required some information to be inferred. This summary attempts to identify noteworthy or significant facility growth, expansion, demolition, or redevelopment occurring each decade.

- Pre 1950:

The north portion of the North Boeing Field, which is referred to as the Propulsion Engineering Lab Area (PEL), property is generally undeveloped. Two medium sized structures are located on the southwestern side (building 2-20 and an unknown building) of the Boeing property. Three medium structures (buildings 3-370, 3-373, and 3-371) are located in the northwestern portion of the property. The airplane runways (Concourse A, B, and C) are in the early stages of construction and/or grading efforts. Building 3-350, also known as Hangar No 1, is located East of Concourse A. According to the most recent documents reviewed by SAIC, this building is still fully operational. The central portion of the property has one unidentified building located along the west side of Concourse C. Re-grading and possible clearing efforts appear to be underway on both the north and south ends of North Boeing Field. A large parking lot spans most of the central western portion of the property. Buildings 3-360 and 3-361 are located at the western end of Concourse A and were also constructed prior to 1946.

There appears to be at least two buildings located at the Georgetown Steam Plant property. The buildings form a slight “L” shape and appear to be possibly connected or may share a partial wall. No vegetation appears to be present according to the aerial photos. Very little information regarding Georgetown Steam Plant was available in the documents reviewed by SAIC.

- Pre 1960

The North Boeing Field property underwent significant development and modifications during this time period. The PEL portion of the property has an office type building (likely building 3-304), as well as numerous other small unidentified outbuildings or storage type structures scattered throughout the area. The central eastern portion of the property is occupied almost entirely by Concourse A, B, and C,



which appear to be complete, including airplanes stationed around the perimeter. The central western side is still almost completely occupied by a large vehicle parking area. A very large hangar type building located between Causeway A and B (3-390) was constructed in 1953 and current documents indicate it is still operational. A smaller building (3-830), is located on the south end of Causeway C was constructed approximately 1956. Three smaller buildings were constructed in approximately the northwest corner of North Boeing Field (likely 7-27-1, 2, 3). Located near the southwest corner of building 3-390 building 3-801 was built, however, the building number was likely recycled in subsequent years and may have been moved to an unknown location within the property. All vegetation present during previous years appears to have been completely removed.

No discernable changes were observed at George Town Steam Plant.

- Pre 1970:

Numerous buildings were constructed on the PEL portion of the property during this time period, including 3-353, 3-313, 3-315, 3-346 (these building numbers appear to have been recycled and may have been relocated in subsequent years) 3-368, 3-626, 3-318, and 3-319. Three relatively large buildings were completed on the west side of the central portion of the property (3-369, 3-818, and 2-35) thereby replacing some of the vehicle parking spaces. The southern area of the property was converted from vacant space to vehicle parking.

No apparent changes were made at the Georgetown Steam Plant property.

- Pre 1980:

According to the documents reviewed by SAIC, there were relatively few changes and/or construction operations conducted at North Boeing Field or Georgetown Steam Plant during this time period. Only building 3-326 appears to have been constructed during this time and appears to have had many uses, including serving as a pneumatic and calibration lab and an acoustics lab.

- Pre 1990:

Building 3-317, a small rectangular building, was constructed on the northern edge of the PEL area. According to the documents reviewed by SAIC, it appears that this building number has been recycled and the new building was constructed at an alternate location. Building 3-825 (recycled building number) was built on the west side of the central portion of the property east of East Marginal Way South. Building 3-840, which likely had numerous building uses, was built on the southwest corner of the central portion of the North Boeing Field property, east of East Marginal Way South.

Documents reviewed by SAIC indicate now changes occurred at Georgetown Steam Plant during this time period.

- Pre 2000:

One large building (3-380) was constructed on the northwest portion of the North Boeing Field property, east of 3-390. This building has historically served as a paint hangar. A smaller rectangular building (3-490) was completed east of 3-390. A third building of unknown identity was built in the footprint of a previous building (pre 1946) on the southwestern side of the central portion of the property, adjacent to East Marginal Way South. A medium sized building was constructed on the west corner of the PEL area of North Boeing Field (3-321). Building (3-370) was constructed between the vehicle parking area and building 3-390. This building number may have been recycled and used at an unconfirmed location in 1993. When comparing the 1995 aerial photo to the most recent 2002 aerial photo, buildings 3-325 (PEL), 3-360, 3-490, 3-819, 3-820, 3-830, 3-470, 3-477, 3-831, and 3-832 appear to have been demolished sometime during the interim.

No changes are apparent at the Georgetown Steam Plant property.

**Table C-1  
North Boeing Field Building List as of 2008**

<b>Building No.</b>	<b>Building Name</b>	<b>Previous Uses and Notes</b>	<b>Approximate Date of Construction or First Record</b>	<b>Potential Pollutant Source?</b>
3-100	Stall A-1	No Information	No Information	
3-101	Stall A-2	No Information	No Information	
3-102	Stall A-3	No Information	No Information	
3-103	Stall A-4	No Information	No Information	
3-104	Stall A-5	No Information	No Information	
3-105	Stall A-6	No Information	No Information	
3-106	Stall B-1	No Information	No Information	
3-107	Stall B-2	No Information	No Information	
3-108	Stall B-3	No Information	No Information	
3-109	Stall B-4	No Information	No Information	
3-110	PSM	No Information	No Information	
3-111	Stall C-4	No Information	No Information	
3-112	Stall B-5	No Information	No Information	
3-113	Stall B-6	No Information	No Information	
3-114	Stall B-7	No Information	No Information	
3-115	Stall B-8	No Information	No Information	
3-116	Stall B-9	No Information	No Information	
3-117	Stall B-10	No Information	No Information	
3-118	Stall B-11	No Information	No Information	
3-119	Stall B-12	No Information	No Information	
3-120	Stall C-7	No Information	No Information	
3-121	Stall C-3	No Information	No Information	
3-122	Stall C-6	No Information	No Information	
3-123	Stall C-5	No Information	No Information	
3-124	Stall C-13	Airplane de-icing	No Information	Yes
3-125	Stall C-6	No Information	No Information	
3-126	Stall A-6	No Information	No Information	
3-127	Stall B-1.5	No Information	No Information	
3-128	Stall B-2.5	No Information	No Information	
3-129	Stall B-3.5	No Information	No Information	
3-130	Stall B-4.5	No Information	No Information	

**Table C-1  
North Boeing Field Building List as of 2008**

<b>Building No.</b>	<b>Building Name</b>	<b>Previous Uses and Notes</b>	<b>Approximate Date of Construction or First Record</b>	<b>Potential Pollutant Source?</b>
3-132	Stall B-13	No Information	No Information	
3-133	Stall C-14	No Information	No Information	
3-134	Stall C-8	No Information	No Information	
3-135	Stall C-9	No Information	No Information	
3-136	Stall C-10	No Information	No Information	
3-137	Stall C-11	No Information	No Information	
3-138	Stall C-12	No Information	No Information	
3-296	Gate C-4	Historical uses include: Guard House Gate C-4 (1955-1988) *.	pre 1955	
3-302	Roots Vacuum Pump and Storage	Historical uses include: Compressor house Building T-732 (1950), Power Plant Building 2 (1950), Compressor House (1950-1956), Air Compressor Facility (1984-1988) *.	1950	Yes
3-306	Restrooms	Restrooms (1984-1988) *. This building number was previously associated with a Power Plant Receptacle Test House.	1983	
3-309	400 Hz Motor Generators	Historical uses include: Engine Fume Test Building - PPTC Building (1955-1956) *.	pre 1955	Yes
3-310	Fuel Control Room	This building number was reused and is currently located in the footprint of former Building 3-304 east of the Fuel Test Apron.	1962	
3-313	Regulated Waste Storage	Historical uses include: Rocket Test Control House (1950-1956) *. Regulated Waste Shipping (1988)*. This building number was reused and is now located south of the original building location.	1989	Yes
3-314	400 MHz transformer	Historical uses include: Pump Control House (1950)*. Power Plant Pump Control House (1955-1956)*.	pre 1950	
3-315	Nozzle Test Facility	Historical uses include: Portable Building (1955-1956) *. Nozzle Test (1984-1988)*. This building number was reused and relocated to approximately northwest corner of PEL area.	1979	Yes
3-317	Storage Shed	Three-Sided Storage Shed (1984-1988) *.	pre 1984	
3-322	Hazardous Test Lab	Hazardous Test Lab (1956-1988) *.	1955	Yes
3-323	Rapid Prototyping Lab	Historical uses include: Non Hazardous Building (1955-1956) *. Propulsion Airflow Storage (1984-1988) *.	1954	Yes
3-324	Engineering	This building number was reused and reconstructed at the location of the former F&G Facility.	1995	Yes

**Table C-1  
North Boeing Field Building List as of 2008**

<b>Building No.</b>	<b>Building Name</b>	<b>Previous Uses and Notes</b>	<b>Approximate Date of Construction or First Record</b>	<b>Potential Pollutant Source?</b>
3-326	Pneumatic & Calibration Lab	Historical uses include: Portable Building (1955-1956) *. Acoustics Lab (1984-1988) *. Building number was reused and a much larger building was constructed in approximately the same location in 2008.	2002-2008	Yes
3-329	Storage Shed	This building number was reused and the building is currently located northwest of 3-333 and 3-335.	1991	
3-331	Pump house	Historical uses include: Portable Building (1955-1956) *.	pre 1955	
3-332	PEL Pump House	No Information	No Information	
3-333	Fuel Test Facility	This building number was reused, current building 3-333 is located in the footprint of former buildings 3-318 and 3-319 on 1955 map.	1997	Yes
3-334	Air Compressor Facility	No Information	1977	
3-335	Propulsion Test Laboratory Building, Fuel Test Facility	This building number was reused and relocated to the southwest side of Fuel Test Apron ~2002.	1999	Yes
3-342	Portable HazMat Storage	No Information	No Information	Yes
3-343	Portable HazMat Storage	Historical uses include: Portable Personnel Building (1955-1956) *.	pre 1955	Yes
3-350	Hangar - Chase Plane	Historical uses include: Hangar T-304 (prior to 1944)*. Hangar No 1 Building 30 (1950-1988)*.	1945	Yes
3-351	Jack Test Facility	Historical uses include: Personnel Building 907 (1950-1956) *. Guard House Gate C-50 (1984-1988) *.	pre 1950	Yes
3-352	Weld Shop	Historical uses include: Clock Aisle - Ref Only (1955-1956) *.	No Information	Yes
3-353	Inlet Development Facility, Parts storage	This building number was reused and is currently located between 3-315 and the wind tunnel.	1991	Yes
3-354	Facilities Hydraulics, Hydraulics Shop	This building number was reused and is currently located north of Concourse A.	1992	Yes
3-355	Steam Clean Building	No Information	No Information	Yes
3-356	Barrel Storage	Historical uses include: Waiting Shed - Main Gate - Ref Only (1955-1956) *.	pre 1955	Yes
3-357	Hydraulic Shop Storage Shed	Historical uses include: Guard House (1955-1956) *.	pre 1955	Yes
3-364	Gate C-50	No Information	No Information	
3-365	Carpenter/paint shop	Historical uses include: Oil Storage Shed (1950-1956) *. Oxygen Equipment Maintenance (1984-1988) *.	pre 1950	Yes
3-367	Waste Storage Building	Historical uses include: Pump House (1955-1956) *. Boeing Service Center Building T-301 (1950) *.	No Information	Yes
3-368	Wind Tunnel Control House	Historical uses include: Wind Tunnel Control House (1984-1988) *.	1969	

**Table C-1  
North Boeing Field Building List as of 2008**

<b>Building No.</b>	<b>Building Name</b>	<b>Previous Uses and Notes</b>	<b>Approximate Date of Construction or First Record</b>	<b>Potential Pollutant Source?</b>
3-369	Paint Hangar, Wastewater Treatment Plant	Multipurpose Hangar - paint (1984-1988) *. A loading/unloading area is associated with Building 3-369. The Wastewater Treatment Plant is used to transfer wastewaters from the site vacuum truck into the treatment tanks. A secondary use of this area is to load trucks with sludge.	1966	Yes
3-370	Composite Repair	This building may have been rebuilt in 1993 at a new location.	~1993	Yes
3-374	Boiler House	Historical uses include: Boiler House (1984-1988) *.	1967	
3-379	400 Hz Power Bldg	Historical uses include: Auto Maintenance Building (1955) *.	pre 1955	Yes
3-380	Paint Hangar	Located in the footprint of buildings 3-370, 3-371, 3-372,-3-373.	1991	Yes
3-390	Flight Test Hangar	Historical uses include: Flight Test Hangar (1955-1988) *.	1953	Yes
3-397	Pump House/Tanks	Historical uses include: Pump House and Tanks (1955-1988) *.	pre 1955	Yes
3-626	Test Support Bldg	Historical uses include: Mechanical Lab Test Building (1984-1988) *.	1966	Yes
3-798	Flt Test Radio Services	Historical uses include: Theodolite Station (1984-1988) *.	pre 1984	Yes
3-799	Unknown	2207 South Eddy (1984) *.	pre 1984	
3-800	Flight Test Engineering, Flight	This building is located in the footprint of former building 3-808.	1990	Yes
3-801	Flight Test Engineering Lab, Flight Delivery Center	This building is located in the footprint of former building 3-810.	1992	Yes
3-811	CDC Hangar 1	This building number was reused from a building formerly located south of 3-390. This building number is present in the 2008 Boeing Building List but may not actually be present on the property because building 3-801 and 3-800 are built in it's location.	No Information	
3-812	CDC Hangar 2	Food Plaza (1988) *.	pre 1984	Yes
3-817	Unknown	This building number has been reused twice and was previously located east of building 3-390 prior to 1984 and north of building 3-830 prior to 1988.	pre 1993	
3-818	Quick Change Building/Wire Shop	Portable Building (1955-1956) *. Quick Change Building (1984-1988) *.	pre 1955	
3-822	Fuel Control Bldg	Fuel Control Building (1955-1988) *.	1954	
3-825	Unknown	This building number may have been reused and the building constructed between 1974-1980. A prior name may have been the Credit Union, which was built prior to 1965.	No Information	
3-826	Flight Lane 400Hz Bldg	No Information	No Information	
3-833	Gate C-16	Guard House Gate C-16 (1984-1988) *.	pre 1984	

**Table C-1  
North Boeing Field Building List as of 2008**

<b>Building No.</b>	<b>Building Name</b>	<b>Previous Uses and Notes</b>	<b>Approximate Date of Construction or First Record</b>	<b>Potential Pollutant Source?</b>
3-834	Crew Support Building C-5	No Information	No Information	
3-836	Gate C-39	No Information	No Information	
3-840	Fire Station	Building No 140 (1950-1988) *. Flight Delivery Service (1950) *. PCA 33 (1955-1956) *.	1979	Yes
3-841	Wash Stall Support	Guard House - Flight Operations Gate (1955-1956) *.	1985	
3-842	Material Handling Operations	No Information	No Information	Yes
3-858	Lift Station	Pump House (1984-1988) *.	No Information	Yes
7-027-1	Former Markov Building, Aqueous Cleaner Building	Plant Services (1984) *.	pre 1956	Yes

Documents reviewed for years 1944, 1950, 1955, 1956, 1984, 1988, 1993, 1998, 2002, 2008.

Construction and demolition dates are the best estimate determined from reviewing facility maps, aerial photos, and reports, however this information may not be accurate.

\* Dates listed are not necessarily the time period that a facility operated with a certain use, rather a conservative confirmed range of use.



**Table C-2  
North Boeing Field Historical Building List**

<b>Building No.</b>	<b>Building Name</b>	<b>Previous Uses and Notes</b>	<b>Approximate Date of Construction or First Record</b>	<b>Date of Demolition</b>	<b>Potential Pollutant Source?</b>
2-20	Unknown	No Information	pre 1946	pre 1992	
3-280	Unknown	No Information	pre 1956	No Information	
3-287	Hydraulic Lab Building	Historical uses include: Hydraulic Lab Building (1984-1988) *.	pre 1984	No Information	Yes
3-297	Unknown	Historical uses include: Storage Building (1955) *. Tool Room Building (1984-1988) *.	pre 1955	pre 1993	
3-298	Unknown	Historical uses include: Personnel Building (1955-1956) *.	pre 1955	No Information	
3-299	Ram Jet Control Building	Historical uses include: Ram Jet Control Building (1955-1956) *.	pre 1955	No Information	
3-300	Unknown	This building number was reused. Building 3-300 was associated with a building located south of building 3-818 in 1984. The building number reassigned to a building constructed prior to 1988 located southeast of building 3-369. The building number was again reassigned to a building constructed prior to 1993 located in the Markov Property. Storage (1984-1988) *.	pre 1984	No Information	
3-301	Power Plant Building 1	Historical uses include: Power Plant Building 1 (1950) *. Shop Building (1955-1988) *.	pre 1950	~ 1994	Yes
3-303	Power Plant Boiler Room	Historical uses include: Power Plant Boiler Room (1950) *. Boiler House - PPTC Building (1955-1956) *. Tool Room (1984-1988) *.	pre 1950	No Information	Yes
3-304	Fuel Test, Pneumatic, and Fuel	Historical uses include: Fuel Test Lab (1950-1956) *. Pneumatic and Fuel Calibration Lab (1984-1988) *.	pre 1950	~ 2000	Yes
3-305	Unknown	Historical uses include: Power Plant Electrical Equipment Building (1950) *. Electrical Equipment Building (1955-1988) *.	pre 1950	No Information	Yes
3-306	Power Plant Receptacle Test House	Historical uses include: Power Plant Receptacle Test House (1950-1956) *. This building number was reused and is currently located in the PEL.	pre 1950	No Information	Yes
3-307	Unknown	Historical uses include: Power Plant Fuel Supply Pump House (1950) *. Fuel Supply Test House - PPTC Building (1955-1956) *.	pre 1950	No Information	Yes
3-308	Unknown	Historical uses include: Engine Test Rig - PPTC Building (1950-1956) *. Jet Tunnel Lab (1984-1988) *.	pre 1950	pre 1993	Yes
3-310	PPTC Personnel Building	Historical uses include: PPTC Personnel Building (1955-1956) *. This building number was reused	pre 1955	No Information	
3-311	Unknown	Historical uses include: Fuel Tank Test Building - PPTC Building (1950-1956) *. Tooling Repair (1984-1988) *.	pre 1950	No Information	Yes
3-312	Unknown	Historical uses include: Portable Building (1955-1956) *. Office Building (1984-1988) *.	pre 1955	pre 2008	
3-313	Unknown	Historical uses include: Rocket Test Control House (1950-1956) *. Regulated Waste Shipping (1988) *. This building number was reused and was located north of current building 3-313.	pre 1950	No Information	Yes
3-315	Unknown	Historical uses include: Portable Building (1955-1956) *. Nozzle Test (1984-1988) *. This building number was reused and relocated to approximately northwest corner of PEL area.	pre 1955	No Information	Yes
3-316	Unknown	Historical uses include: Personnel Building (1955-1956), Reverberation Building (1984-1988). This building may have been reconstructed and the building number reused bases on building usage and dates.	pre 1984	No Information	
3-317	Portable Building	Historical uses include: Portable Building (1955-1956) *. Reused building number, new 3-317 building is located north of 3-333 .	pre 1955	No Information	
3-318	Unknown	Historical uses include: Test Tank Lab (1955-1988) *. Current location of building 3-333.	pre 1955	pre 1996	Yes
3-319	Unknown	Historical uses include: Sand Test Building (1955-1956) *. Acoustics Test Building (1984-1988) *. Current location of building 3-333.	pre 1955	pre 1996	Yes
3-320	Unknown	Historical uses include: Boiler House (1955-1956) *. Storage Building (1984-1988) *.	pre 1955	No Information	Yes
3-321	Fuel Slosh Lab	Historical uses include: Fuel Slosh Lab (1955-1988) *.	pre 1955	No Information	Yes
3-324	Pump House	Historical uses include: Fuel Pump House (1956) *. This building number was reused and relocated	pre 1956	No Information	
3-325	Unknown	Historical uses include: Generator House (1956) *. Trailer, Office (1988) *.	pre 1956	pre 2008	Yes

**Table C-2  
North Boeing Field Historical Building List**

Building No.	Building Name	Previous Uses and Notes	Approximate Date of Construction or First Record	Date of Demolition	Potential Pollutant Source?
3-326	Pneumatic & Calibration Lab	Historical uses include: Portable Building (1955-1956) *. Acoustics Lab (1984-1988) *. This building number was reused and rebuilt in same approximate location but the new building is much larger. Reconstruction took place between 2002-2008.	pre 1955	No Information	Yes
3-327	Unknown	Historical uses include: Portable Building (1955-1956) *. Trailer, Office (1988) *.	pre 1955	No Information	
3-328	Unknown	Historical uses include: Storage Shed (1955-1956) *. Trailer, Office (1988) *. This building number may have been reused.	pre 1955	No Information	
3-329	Boom Tower Control House	Historical uses include: This building number was reused and the current building is located northwest of 3-333 and 3-335	pre 1955	No Information	
3-330	Unknown	Historical uses include: Boom Tower (1956) *.	post 1988	No Information	
3-333	Control House - Engine Test Rig	This building number was reused, current building 3-333 is located adjacent to building 3-308 in the	pre 1955	No Information	
3-334	Unknown	Historical uses include: Instrument Tower (1956) *.	pre 1956	No Information	
3-335	Unknown	Historical uses include: Bottle Storage Shelter (1956) *. Flammable Storage (1984-1988) *. Building number was reused and relocated to the southwest side of Fuel Test Apron ~2002.	pre 1956	No Information	
3-336	Guard House	Historical uses include: Guard House (1955) *.	pre 1955	No Information	
3-337	Guard House	Historical uses include: Guard House North Apron Gate (1956) *. Guard House East Gate (1955) *.	pre 1956	No Information	
3-338	Unknown	Historical uses include: Portable Building (1956) *. Fireman Shed (1955) *.	pre 1956	No Information	
3-340	Unknown	Historical uses include: B-52 Noise Suppressor (1955-1956) *.	pre 1955	No Information	
3-345	Unknown	Unknown	post 1993	No Information	
3-346	Unknown	Historical uses include: Boom Tower Office and Shop (1955-1956) *. Fuel Control House (1984-1988) *. This building number was reused ~1996 and is currently located GTSP beginning ~1998.	pre 1965	pre 1996	
3-345	Unknown		post 1993	No Information	
3-347	Unknown	Historical uses include: Portable Building (1955) *.	pre 1955	No Information	
3-348	Unknown	Historical uses include: Storage Shed (1955-1956) *.	pre 1955	No Information	
3-349	Unknown	Historical uses include: Food Plaza (1984-1988) *.	pre 1984	pre 1993	
3-353	Portable Timekeepers Building	This building number was reused and is currently located between 3-315 and the wind tunnel.	pre 1955	No Information	
3-354	Alaska Airlines Building	Historical uses include: Alaska Airlines Building (1949-1956) *. This building number was reused and is currently located in the PEL.	pre 1949	No Information	
3-355	Unknown	Historical uses include: Guard House - Main Gate (1955-1956) *.	pre 1955	No Information	
3-360	Unknown	Historical uses and names include: T-1-E (prior to 1944) *. Boeing Vocational School (1955) *. Metals lab (1960-1970) *. Operations Tech Material (1984-1988) *.	pre 1944	2008-2009	
3-361	Unknown	Historical uses and names include: T-131 (prior to 1944) *. Building T-191 (1950-1955) *. Building 3-361 (1956) *. Operations Tech Material (1984-1988) *.	pre 1944	pre 1993	
3-366	Quonset Storage Building	Historical uses include: Quonset Storage Building (1955) *.	pre 1955	No Information	Yes
3-370	Composite Repair	Historical uses and names include: Hangar T-314 (prior to 1944) *. Hangar No 2 (1950-1988) *.	pre 1944	pre 1993	Yes
3-371	Unknown	Historical uses and names include: Hangar T-316 (prior to 1944) *. Hangar No 3 (1950-1988) *.	pre 1944	pre 1993	
3-372	Unknown	Historical uses include: Waiting Shed - Trans Area - Ref Only (1955-1956) *. Manufacturing Building (1984-1988) *.	pre 1955	pre 1993	Yes

**Table C-2  
North Boeing Field Historical Building List**

<b>Building No.</b>	<b>Building Name</b>	<b>Previous Uses and Notes</b>	<b>Approximate Date of Construction or First Record</b>	<b>Date of Demolition</b>	<b>Potential Pollutant Source?</b>
3-373	Unknown	Historical uses include: Hangar T-318 (prior to 1944) *. Stratocruiser School (1955-1956) *. Machine Shop (1984-1988) *.	pre 1955	pre 1992	Yes
3-374	Unknown	Historical uses include: Portable Building (1955-1956) *.	pre 1955	No Information	
3-375	Unknown	Historical uses include: Portable Building (1955) *. Office Trailer Complex (1988) *. This building number may have been reused for a building constructed after 1984.	post 1984	pre 1993	
3-376	Unknown	Historical uses include: Portable Building (1955-1956) *.Transportation Dispatch Building (1950) *.	pre 1950	No Information	
3-377	Unknown	Historical uses include: Portable Building (1955) *.	pre 1955	No Information	
3-378	Unknown	Historical uses include: Portable Building (1955) *.	pre 1955	No Information	
3-381	Noise Hangar No 1	Historical names include: Noise Hangar No 1 Ref Only (1955-1956) *.	pre 1955	No Information	
3-382	Noise Hangar No 2	Historical names include: Noise Hangar No 2 Ref Only (1955-1956) *.	pre 1955	No Information	
3-383	Unknown	Historical uses include: Portable Building (1955-1956) *.	pre 1955	No Information	
3-384	Unknown	Historical uses include: Portable Building Ref Only (1955-1956) *.	pre 1955	No Information	
3-385	Unknown	Historical uses include: Portable Building (1955-1956) *.	pre 1955	No Information	
3-391	Unknown	Historical uses include: Portable Building (1955-1956) *. Office Building (1984-1988) *.This building number may have been reused for a building constructed after 1981.	1981	No Information	
3-392	Unknown	Historical uses include: Office Building (1984-1988) *.	1981	No Information	
3-394	Unknown	Historical uses include: Portable Building (1955), Trailer Complex - Stores (1988), This building number may have been reused for a subsequent building constructed after 1984.	post 1984	No Information	
3-395	Lift Station	Historical uses include: Pump House T-332 (1955-1956) *.	1941	No Information	
3-398	Guard House	Historical uses include: Guard House (1955-1956) *.	pre 1955	No Information	
3-404	Unknown	Historical uses include: Trailer Instrumentation (1984-1988) *.	pre 1984	No Information	
3-409	Unknown	Historical uses include: Trailer SSD Supply (1984-1988) *.	pre 1984	No Information	
3-410	Unknown	Historical uses include: Trailer Office (1984) *.	pre 1984	pre 1993	
3-412	Unknown	Historical uses include: Trailer BCAC Training (1984-1988) *.	pre 1984	No Information	
3-417	Unknown	No Information	No Information	No Information	
3-425	Unknown	Historical uses include: Trailer Office (1984-1988) *.	pre 1984	pre 1993	
3-426	Unknown	Historical uses include: Trailer Office (1984-1988) *.	pre 1984	pre 1993	
3-432	Unknown	Historical uses include: Trailer Office Compound (1984-1988) *.	pre 1984	pre 1993	
3-433	Unknown	Historical uses include: Trailer Office Compound (1984-1988) *.	pre 1984	No Information	
3-434	Unknown	Historical uses include: Trailer Office Compound (1984-1988) *.	pre 1984	No Information	
3-435	Unknown	Historical uses include: Trailer Office Compound (1984-1988) *.	pre 1984	No Information	
3-436	Unknown	Historical uses include: Trailer Office Compound (1984-1988) *.	pre 1984	No Information	
3-437	Unknown	Historical uses include: Trailer Office Compound (1984-1988) *.	pre 1984	No Information	
3-438	Unknown	Historical uses include: Trailer Flight Test Stores Complex (1984) *. Stores (1988)	pre 1984	No Information	
3-439	Unknown	Historical uses include: Trailer Flight Test Stores Complex (1984) *. Stores (1988)	pre 1984	No Information	
3-440	Unknown	Historical uses include: Trailer Flight Test Stores Complex (1984) *. Stores (1988)	pre 1984	No Information	
3-441	Unknown	Historical uses include: Trailer Flight Test Stores Complex (1984) *. Stores (1988)	pre 1984	No Information	
3-442	Unknown	Historical uses include: Trailer Flight Test Stores Complex (1984) *. Stores (1988)	pre 1984	No Information	
3-443	Unknown	Historical uses include: Trailer Flight Test Stores Complex (1984) *. Stores (1988)	pre 1984	No Information	
3-444	Unknown	Historical uses include: Trailer Flight Test Stores Complex (1984) *. Stores (1988)	pre 1984	No Information	
3-445	Unknown	Historical uses include: Trailer Flight Test Stores Complex (1984) *. Stores (1988)	pre 1984	No Information	
3-446	Unknown	Historical uses include: Trailer Flight Test Stores Complex (1984) *. Stores (1988)	pre 1984	No Information	

**Table C-2  
North Boeing Field Historical Building List**

<b>Building No.</b>	<b>Building Name</b>	<b>Previous Uses and Notes</b>	<b>Approximate Date of Construction or First Record</b>	<b>Date of Demolition</b>	<b>Potential Pollutant Source?</b>
3-447	Dispatch	Historical uses include: Trailer, Office (1988) *.	pre 1988	pre 1993	
3-465	Unknown	Historical uses include: Trailer Office Complex (1984-1988) *.	pre 1984	No Information	
3-466	Unknown	Historical uses include: Trailer Office Complex (1984-1988) *.	pre 1984	No Information	
3-467	Unknown	Historical uses include: Flight Test Storage (1984-1988) *.	pre 1984	No Information	
3-470	Unknown	Historical uses include: BMA Physical Fitness (1984-1988) *.	pre 1993	No Information	
3-471	Unknown	Historical uses include: BMA Physical Fitness (1984), Trailer, Office Complex (1988) *.	pre 1984	No Information	
3-472	Unknown	Historical uses include: Trailer, Office Complex (1988) *.	pre 1988	No Information	
3-473	Unknown	Historical uses include: Trailer, Office Complex (1988) *.	pre 1988	No Information	
3-474	Unknown	Historical uses include: Trailer, Office Complex (1988) *.	pre 1988	No Information	
3-475	Unknown	Historical uses include: Trailer, Office Complex (1988) *.	pre 1988	No Information	
3-476	Unknown	Historical uses include: Trailer, Office Complex (1988) *.	pre 1988	No Information	
3-477	Unknown	Historical uses include: Trailer, Office Complex (1988) *.	pre 1988	No Information	
3-478	Unknown	Historical uses include: Trailer, Office Complex (1988) *.	pre 1988	No Information	
3-479	Unknown	Historical uses include: Trailer, Office Complex (1988) *.	pre 1988	No Information	
3-480	Unknown	Historical uses include: Trailer Office Complex (1984-1988) *.	pre 1984	pre 1993	
3-481	Unknown	Historical uses include: Trailer, Office Complex (1988) *.	pre 1988	pre 1993	
3-490	Unknown	No Information	pre 1993	No Information	
3-630	Unknown	No Information	pre 1988	No Information	
3-807	Unknown	No Information	post 1988	No Information	
3-808	Preflight Building	Historical uses include: Preflight Building (1955-1956), Delivery Center (1984-1988) *. Building 3-800 was built in this location ~1990.	pre 1965	pre 1990	Yes
3-809	Dispatch Building	Historical uses include: Dispatch Building (1955-1988) *.	pre 1955	pre 1993	
3-810	Unknown	Historical uses include: Maintenance Trans Building (1955) *. Plant Services (1956-1984)*. Paint Booth and Stores (1988) *. Building 3-801 was built in this location ~1992.	pre 1956	pre 1993	Yes
3-811	Unknown	Historical uses include: PCA-30 (1950-1956), Office and Lab (1984) *. Office (1988) *. Building 3-801 was built in this location ~1992.	pre 1950	pre 1993	
3-812	Unknown	Historical uses include: Oil Storage House Building T-310 (1950) *. This building number may have been reused.	pre 1950	No Information	Yes
3-816	Unknown	Historical uses include: Auto Services Building (1956) *.	pre 1956	No Information	Yes
3-817	Unknown	Historical uses include: Portable Cart Storage Building (1955-1956) *. This building number has been reused and is currently located in the PEL. Prior to 1984 building number 3-817 was associated with a building located east of building 3-390. Prior to 1988 the building number 3-817 was reassigned to a building located north of 3-830.	pre 1955	pre 2008	
3-819	Unknown	Historical uses include: Trailer, Life Support (1988) *.	pre 1988	No Information	
3-820	Unknown	Historical uses include: Fueling Shed (1955-1956) *. Trailer, Office (1988) *.	pre 1955	No Information	Yes
3-823	Unknown	Historical uses include: Lobby (1984) *.	pre 1984	No Information	
3-622	Unknown	No Information	post 1965	No Information	
3-828	Unknown	Historical uses include: Storage Building (1955-1956) *. Three-Sided Storage Shed (1984-1988) *.	pre 1955	No Information	
3-830	Unknown	Historical uses include: Electronic Building (1955-1988) *.	pre 1955	pre 2008	Yes
3-831	Automotive Shop	Historical uses include: PCA Store (1984-1988) *.	pre 1984	post 1997	Yes
3-832	Unknown	Historical uses include: Office Building (1984-1988) *.	pre 1984	post 1997	
3-835	Unknown	No Information	pre 1993	No Information	

**Table C-2  
North Boeing Field Historical Building List**

<b>Building No.</b>	<b>Building Name</b>	<b>Previous Uses and Notes</b>	<b>Approximate Date of Construction or First Record</b>	<b>Date of Demolition</b>	<b>Potential Pollutant Source?</b>
3-839	Unknown	Historical uses include: Gardener's Shed (1955-1956) *.	pre 1955	No Information	Yes
3-850	Unknown	Historical uses include: Operations Building Annex (1955-1956) *.	pre 1955	No Information	Yes
3-851	Unknown	Historical uses include: Portable Paint Shed (1950) *.	pre 1950	No Information	Yes
3-856	Unknown	Historical uses include: Operations Building 122 (1950-1956) *.	pre 1955	No Information	
3-857	Guard House	Historical uses include: Guard House - FLT Apron Gate (1955-1956) *.	pre 1955	No Information	
3-864	Unknown	No Information	pre 1993	pre to 1993	
3-870	Storage Building	Historical uses include: Storage Building (1955-1956) *.	pre 1955	No Information	Yes
3-871	Storage Building	Historical uses include: Storage Building (1955-1956) *.	pre 1955	No Information	Yes
3-864	N.C. Repair Shop	Historical uses include: N.C. Repair Shop (1984) *.	post 1984	pre to 1993	Yes
3-950	South Annex Building	Historical uses include: South Annex Building (1955) *.	pre 1955	No Information	
3-955	CAA Building	Historical uses include: CAA Building (1955-1956) *.	pre 1955	No Information	
3-959	Storage Building	Storage Shed (1955) *.	pre 1955	No Information	Yes
3-960	B-17 Hangar Building T-610	Historical uses include: B-17 Hangar Building T-610 (1955-1956) *.	pre 1955	No Information	
3-961	Guard House	Historical uses include: Guard House (1955-1956) *.	pre 1955	No Information	
3-962	Electronic Manufacturing Building	Historical uses include: Electronic Manufacturing Building (1984) *.	pre 1984	No Information	Yes
3-963	Guardhouse	Historical uses include: Guardhouse (1984) *.	pre 1984	No Information	
3-965	United Air Lines Hangar	Historical uses include: United Air Lines Hangar (1950-1956) *.	pre 1950	No Information	
3-966	West Coast Airlines Building	Historical uses include: West Coast Airlines Building (1955-1956) *.	pre 1955	No Information	
3-967	Unknown	Historical uses include: Spray Paint Building (1955-1956), Acid Storage Building (1984) *.	pre 1955	No Information	
3-968	Noise Hangar No 3	Historical uses include: Noise Hangar No 3 Ref Only (1955-1956) *.	pre 1955	No Information	
3-969	B-29 Hangar Guard House	Historical uses include: Guard House - B-29 Hangar (1955-1956) *.	pre 1955	No Information	
3-970	B-29 Hangar	Historical uses include: B-29 Hangar (1955-1956) *.	pre 1955	No Information	
3-971	Waiting Shed	Historical uses include: Waiting Shed (1955-1956) *.	pre 1955	No Information	
3-972	Guard House	Historical uses include: Guard House (1956) *.	pre 1956	No Information	
3-987	Gun Cleaning Building	Historical uses include: Gun Cleaning Building (1956) *.	pre 1956	No Information	Yes
3-988	Unknown	Historical uses include: Plot Plan Gunnery Revetment (1955) *. Shop Building - Gunnery Revetment (1956) *.	pre 1956	No Information	
3-989	Unknown	Historical uses include: Gunnery Revetment Ref Only (1955-1956) *.	pre 1955	No Information	
3-990	Unknown	Historical uses include: Ammunition Magazine - Revetment (1955-1956) *.	pre 1955	No Information	
3-991	Building T-673	Historical uses include: Building T-673 (1950-1955) *.	pre 1950	No Information	
7-027-2	Boeing Business Jets	No Information	pre 1984	2001	Yes
7-027-3	Unknown	No Information	pre 1988	2001	Yes

Documents reviewed for years 1944, 1950, 1955, 1956, 1984, 1988, 1993, 1998, 2002, 2008.

Building demolition dates were listed as "No Information" if a building was not present on the 2008 Boeing building map or building list and no other demolition records were available.

Construction and demolition dates are the best estimate determined from reviewing facility maps, aerial photos, and reports, however; this information may not be accurate.

\* Dates listed are not necessarily the time period that a facility operated with a certain use, rather a conservative confirmed range of use.



## **Appendix C2**

### **Aerial Photographs**

**1946**

**1956**

**1960**

**1969**

**1974**

**1992**

**1995**

**2002**





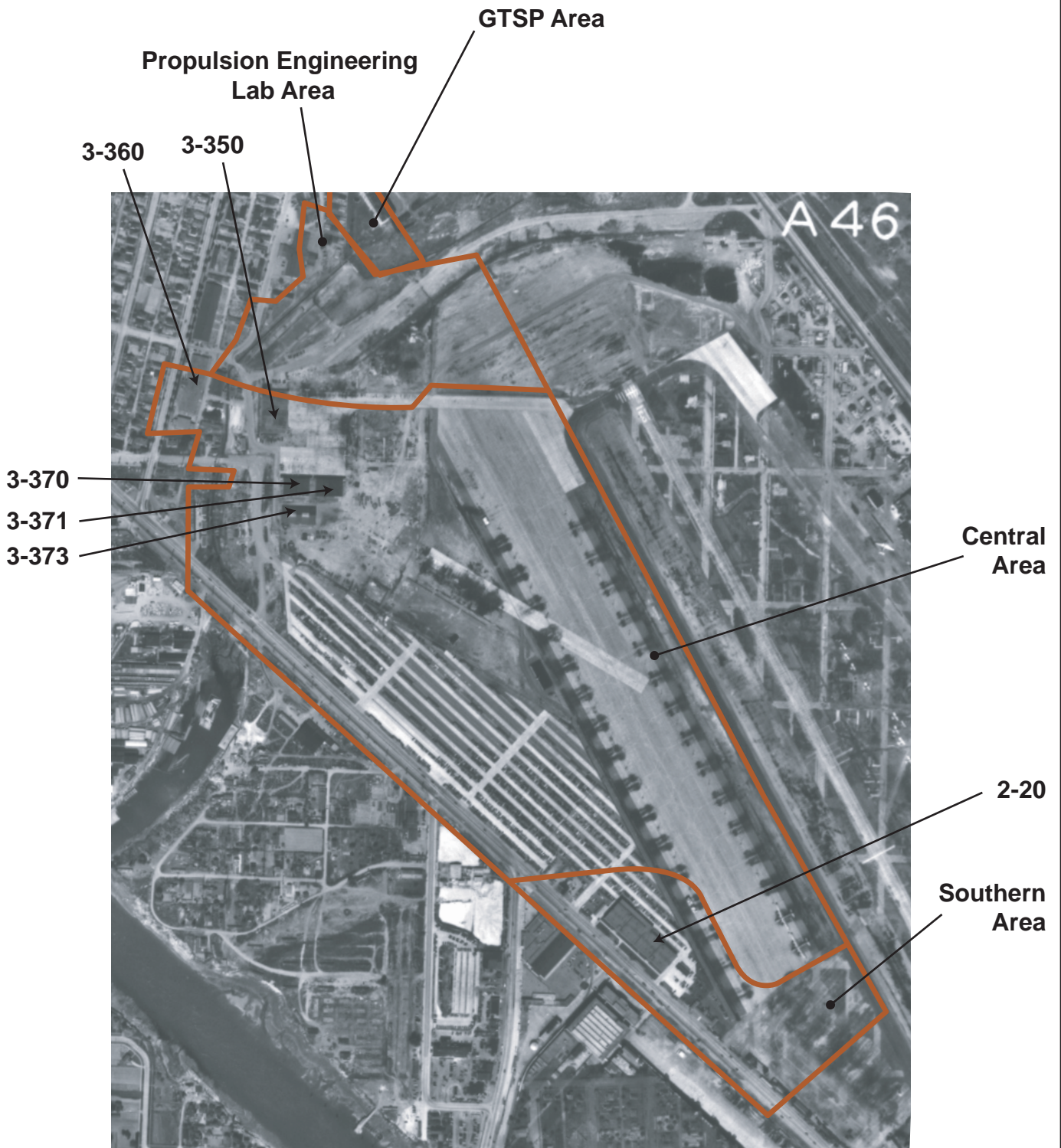


Figure C 2-1. 1946 Aerial Photograph





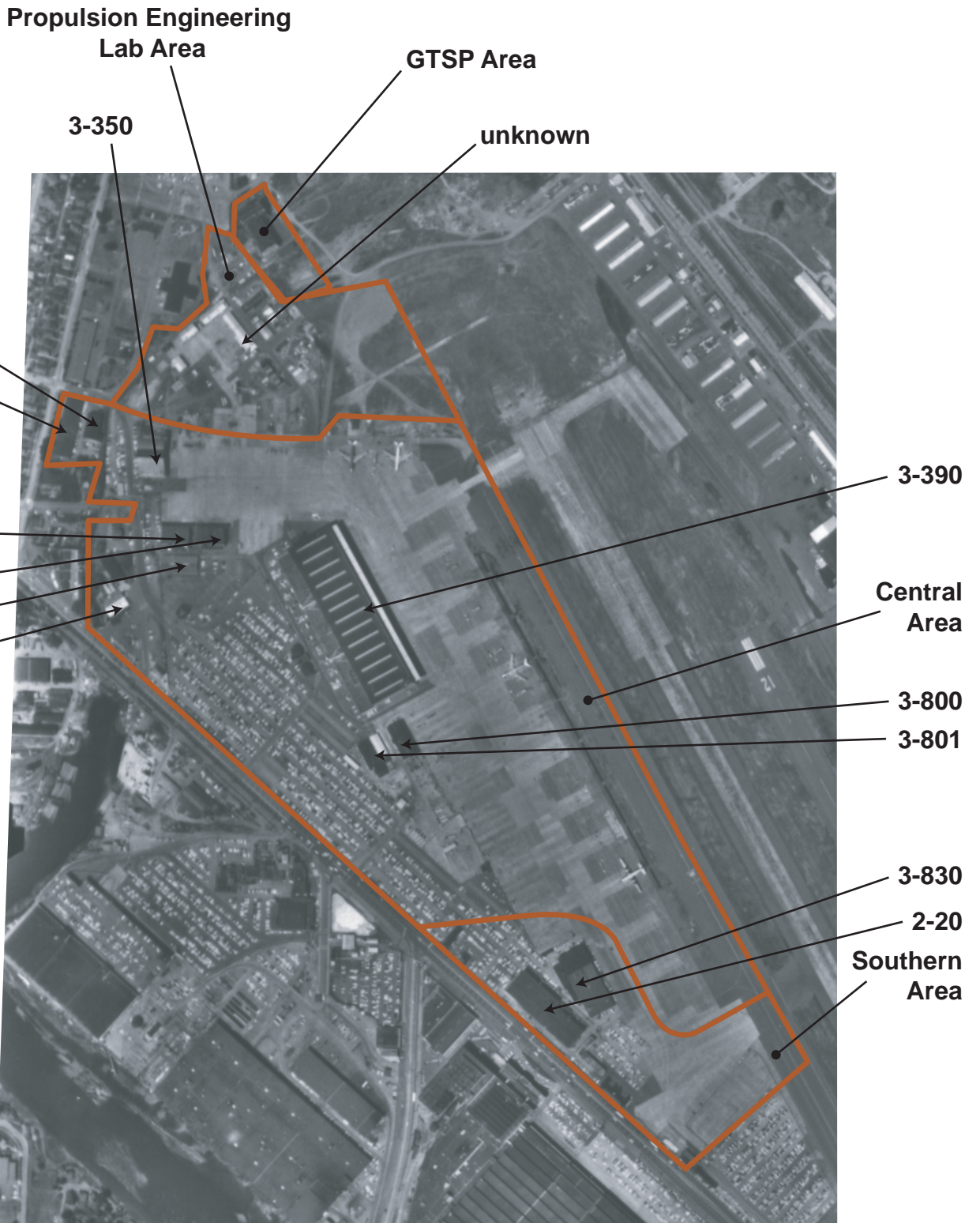
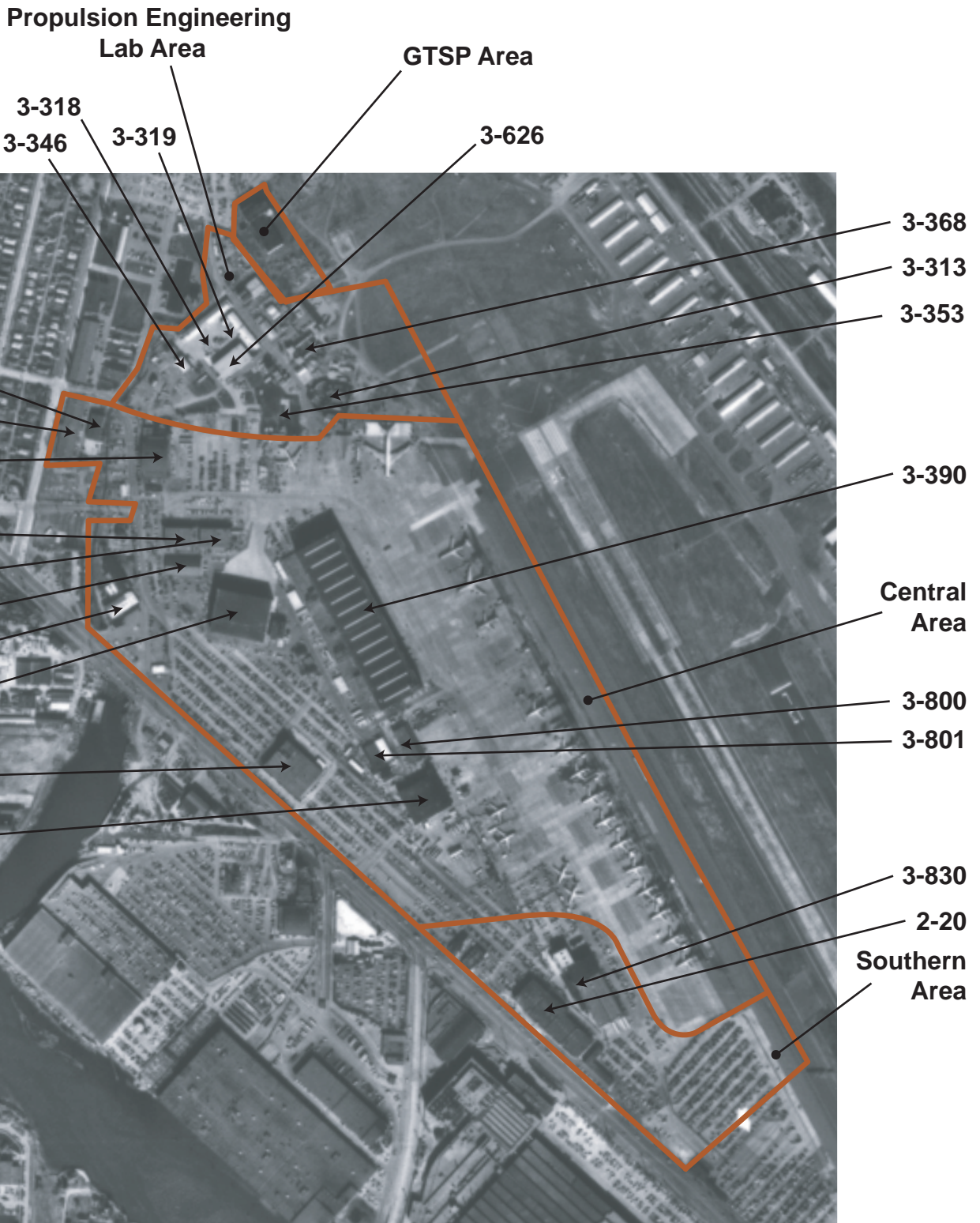


Figure C 2-3. 1960 Aerial Photograph







**Propulsion Engineering  
Lab Area**

**GTSP Area**

3-318  
3-346

3-319

3-626

3-368

3-313

3-360

3-360

3-350

3-390

3-370

3-371

3-373

**Central  
Area**

7-27-1

3-369

3-800

3-801

2-35

3-318

3-830

2-20

**Southern  
Area**

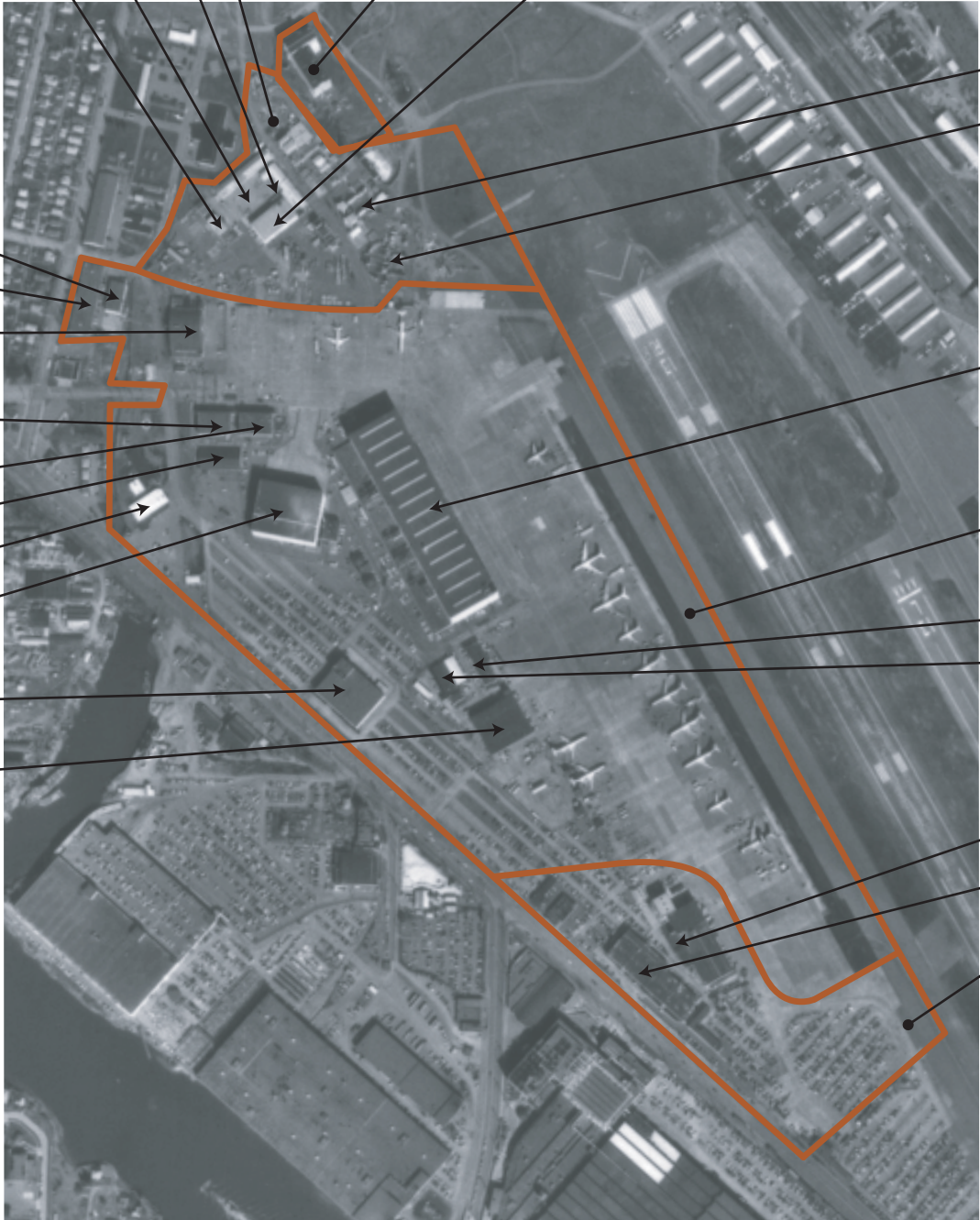


Figure C 2-6. 1980 Aerial Photograph



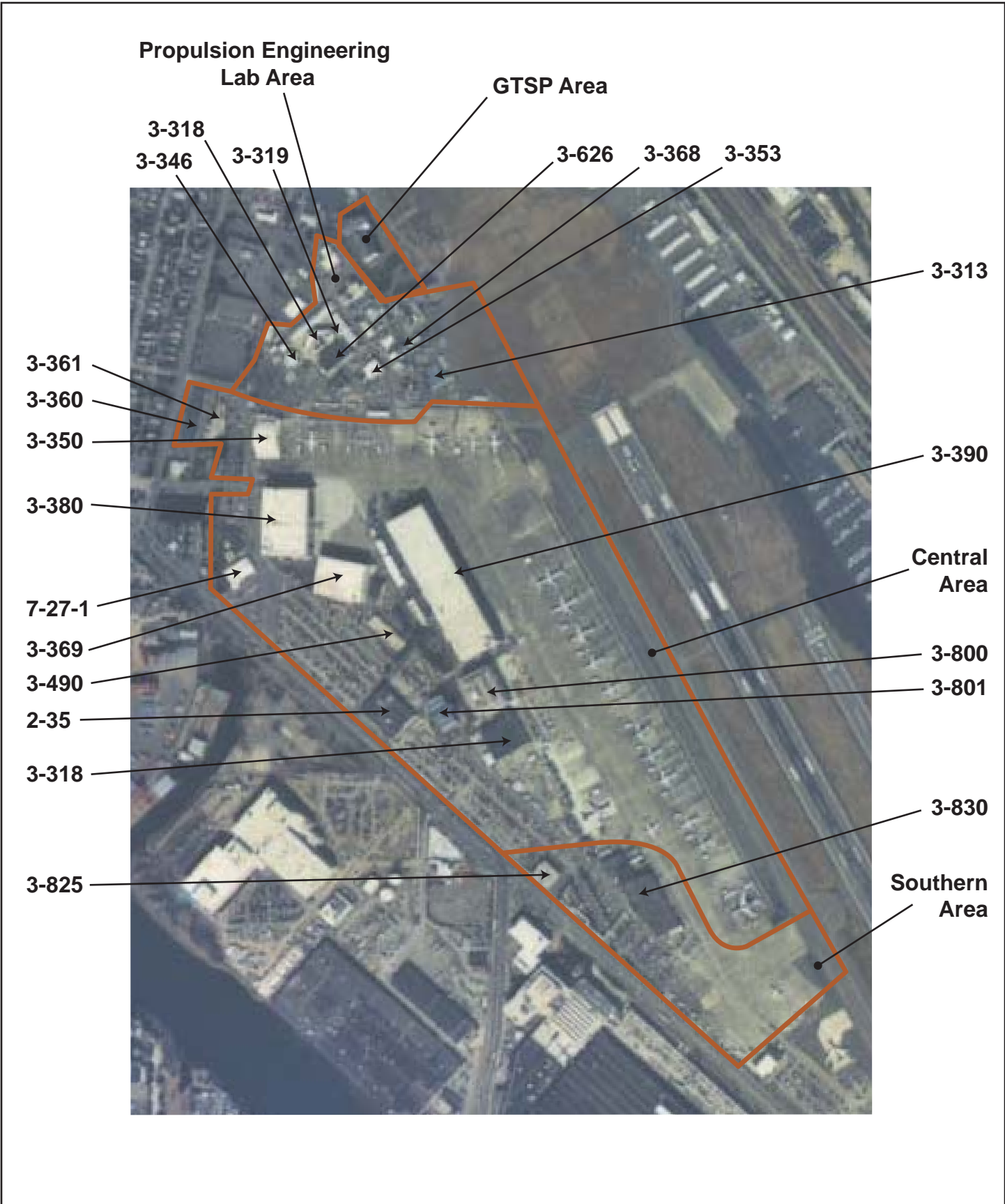


Figure C 2-7. 1992 Aerial Photograph

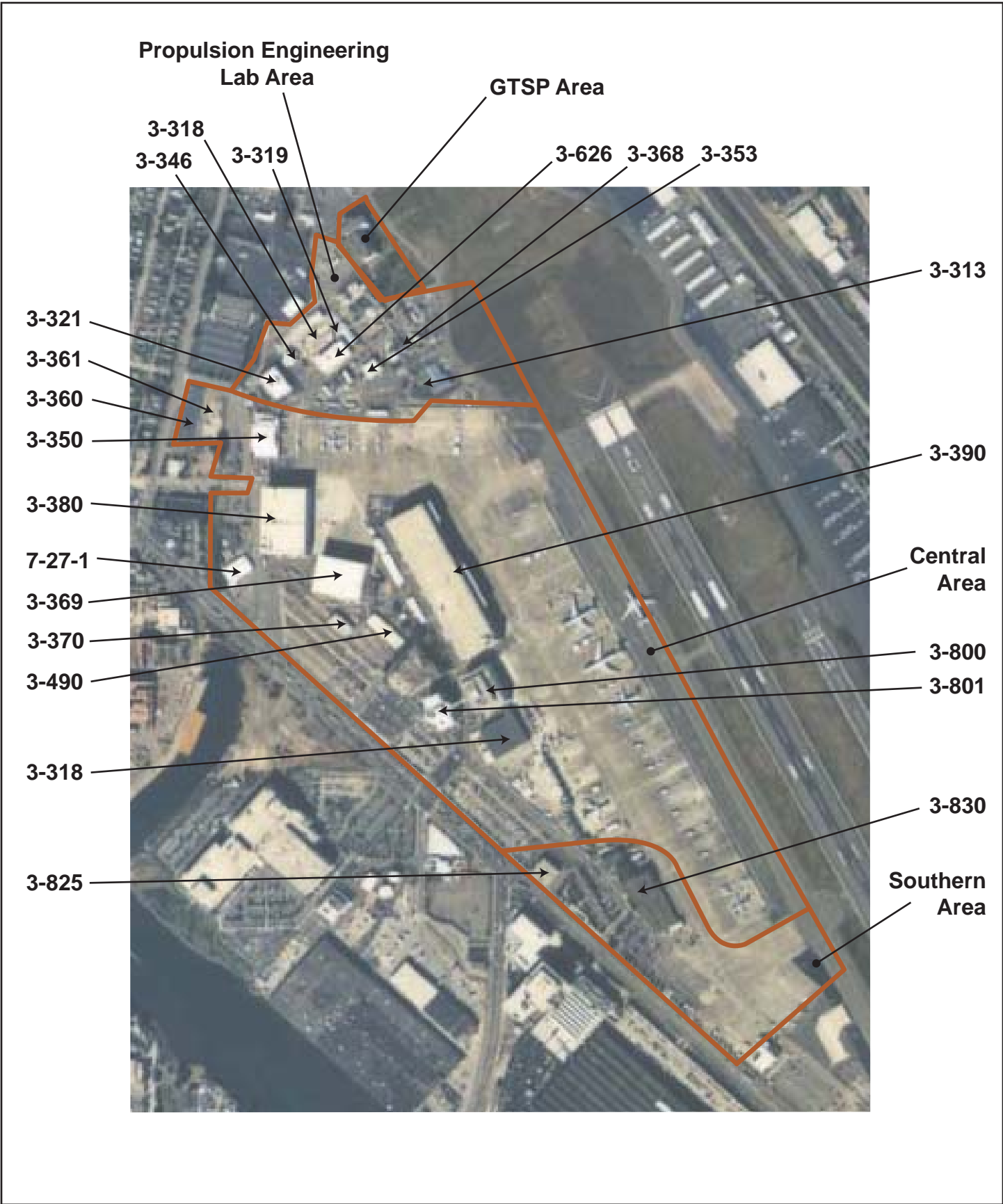


Figure C 2-8. 1995 Aerial Photograph



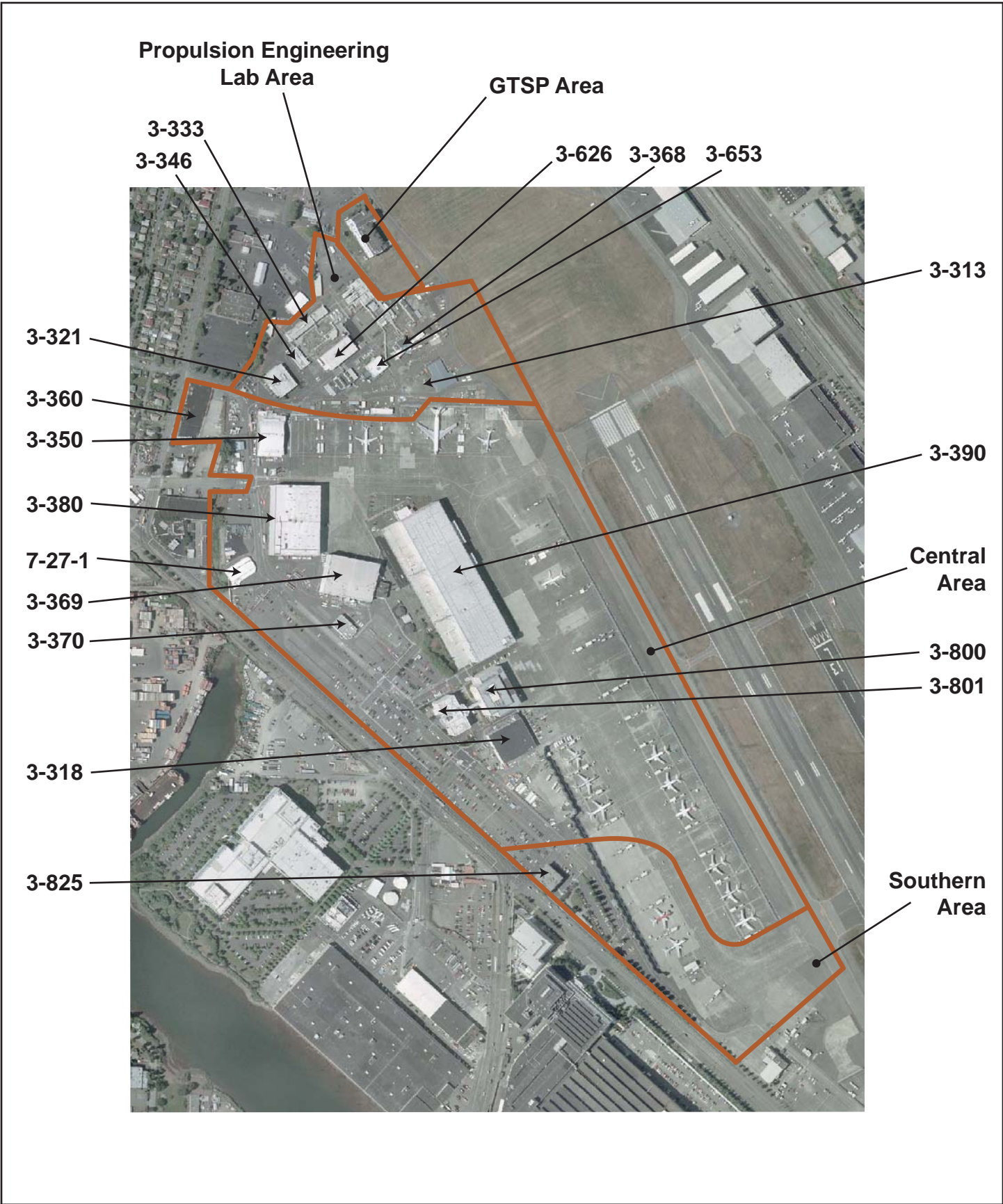


Figure C 2-9. 2002 Aerial Photograph



## **Appendix C3**

# **Compiled List of Historical Maps and Building Information North Boeing Field**

**Source: Boeing 2008**



*Compiled List of Historic Maps and Building Information  
North Boeing Field, Seattle Washington*

The maps and building lists included in this package are at approximately five-year intervals and represent the best available copies of these materials. The maps and lists include areas and facilities outside of the Agreed Order Site such as Plant 2, Plant 1, Thompson, and areas on the east side of King County International Airport. To our knowledge, no historical maps or building lists exist that include only the Agreed Order Site.

<b>Date</b>	<b>Map Title</b>	<b>List Description</b>
1944	<i>Facilities for Trainees Utilities Map (Map includes North Boeing Field)</i>	Building legend included on map gives info on: Bldg Number, Type, Description, and Size
1949		List of buildings located on Plant 2, Boeing Field Includes Bldg name only
1950		Floor Area by Buildings, Boeing Field Includes: Code No., Title, Total Sq. Ft
1951		Boeing Airplane Co Seattle Division Floor Areas by Departments Includes: Dept, Title, Sq. Ft and Location
1954		Boeing Airplane Co Seattle Division General Area Data Includes: Title, Bldg Code
1955	<i>North Boeing Field 7/1/55</i>	Numerical Index - Boeing Field Summary of Covered Areas, Includes: Bldg Code, Title, Sq. Ft
1956	<i>Plant II - Boeing Field and Vicinity Building and Property Ownership</i>	<ul style="list-style-type: none"> <li>▪List of buildings included on map: gives information on Bldg No, Name, Location</li> <li>▪Numerical Index - Boeing Field Summary of Covered Areas, Includes: Bldg Code, Title, Sq. Ft</li> </ul>
1960	<i>Plant II - Boeing Field and Vicinity</i>	
1965	<i>Plant 1 Plot Plan Plant II, Field &amp; B.S.R.C Plot Plan (Map includes North Boeing Field)</i>	List of buildings included on map - Includes: Bldg No, Bldg Name
1970	<i>Plant 2 (Map includes North Boeing Field)</i>	
1975	<i>Plant 2 (Map includes North Boeing Field)</i>	
1980	<i>Plant 2 (Map includes North Boeing Field)</i>	
1984	<i>Boeing Field (Including Thompson and Isaacson Sites)</i>	Statistics/Boeing Field (Including Thompson Site) Includes: Bldg Code, Bldg Title, Sq. Ft
1988	<i>Boing Commercial Airplanes Boeing Field</i>	Boeing Field/Statistics Includes: Bldg Code, Bldg Title, Sq. Ft
1993	<i>Boeing Commercial Airplane Group Boeing Field</i>	Boeing Field Statistics Includes: Bldg Code, Bldg Title, Sq. Ft
1998	<i>Washington - Plant 2 and Boeing Field</i>	
2002	<i>Washington - Plant 2 / Boeing Field</i>	
2008	<i>Washington - Plant 2 / Boeing Field</i>	North Boeing Field Building List - 2008 Includes: Bldg Number, Bldg Title

1944

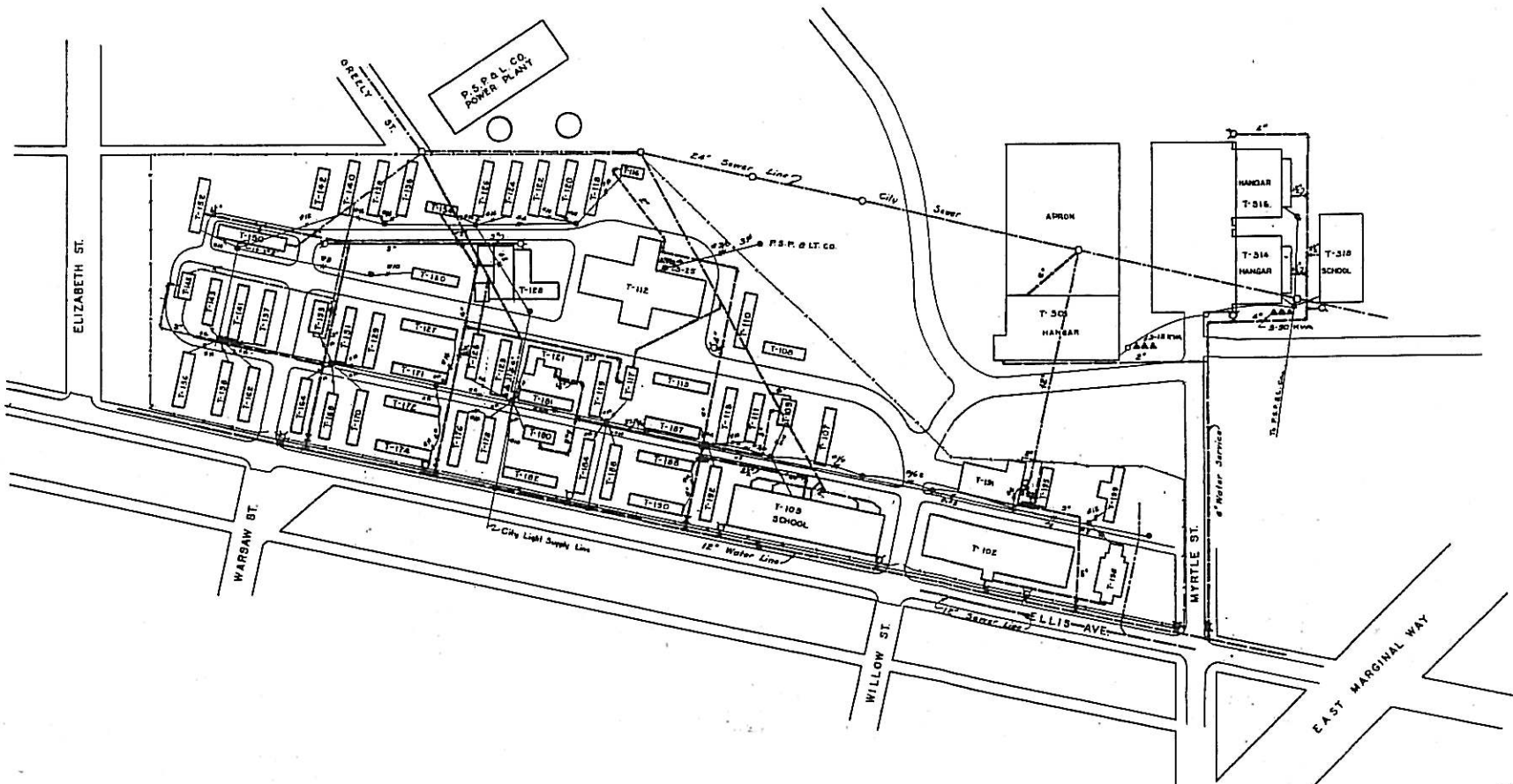
421-108-1

WAR DEPARTMENT

U.S. ARMY, CORPS OF ENGINEERS

BUILDING LEGEND

NUMBER	TYPE	DESCRIPTION	SIZE
T-102	School	School	76' x 270'
T-103	"	"	76' x 270'
T-107	OBAT	Administration Bldg.	20' x 100'
T-108	RBBT	Recreation Bldg.	20' x 72'
T-109	1-3 Mbk.	Leveling	25' x 57' 1/2"
T-110	TBC-34	Barracks EM	20' x 100'
T-111	TBC-4	Recreation Bldg.	20' x 84'
T-112	M-34C	Mess Hall	20' x 84'
T-113	TBC-34	Barracks EM	20' x 100'
T-114	"	"	"
T-116	LDT	Leveling	20' x 40'
T-117	LET	"	20' x 36'
T-118	BAT	Barracks	20' x 100'
T-119	TBC-34	"	"
T-120	BAT	"	"
T-121	TPK	Post Exchange	"
T-122	BAT	Barracks	"
T-123	TBC-34	"	"
T-124	"	"	"
T-125	LET	Leveling	20' x 36'
T-126	BAT	Barracks	20' x 100'
T-127	TBC-34	"	"
T-128	"	Engrs. Office & Wksh.	20' x 100'
T-129	TBC-34	Barracks	20' x 100'
T-130	TBC-4	Recreation Bldg.	20' x 84'
T-131	TBC-34	Barracks	20' x 100'
T-132	1-3 Mbk.	Leveling	25' x 57' 1/2"
T-133	LET	"	20' x 36'
T-134	BAT	Barracks	20' x 100'
T-135	TBC-34	"	"
T-136	BAT	"	"
T-137	BAT	"	"
T-138	TBC-34	"	"
T-139	RBDT	Chapel	20' x 72'
T-140	TBC-4	Recreation Bldg.	20' x 84'
T-141	1-3 Mbk.	Leveling	25' x 57' 1/2"
T-142	Mbk.	Infirmary	25' x 124'
T-143	BAT	Barracks	20' x 100'
T-144	"	"	"
T-145	"	"	"
T-146	TBC-4	Recreation Bldg.	20' x 84'
T-147	TBC-34	Barracks	20' x 100'
T-148	"	"	"
T-149	"	"	"
T-150	TBC-4	Recreation Bldg.	20' x 84'
T-151	LDT	Leveling	25' x 57' 1/2"
T-152	TBC-34	Barracks	20' x 100'
T-153	"	"	"
T-154	"	"	"
T-155	"	"	"
T-156	"	"	"
T-157	"	"	"
T-158	"	"	"
T-159	"	"	"
T-160	RBDT	Recreation Bldg.	20' x 72'
T-161	TBC-34	Barracks	20' x 100'
T-162	"	"	"
T-163	"	"	"
T-164	"	"	"
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LEGEND:  
 --- Water Line  
 - - - Sewer Line  
 - · - Electric Line  
 ▲ 37½ Transformer  
 ● Fire Hydrant

RECORD DRAWING-- AS BUILT  
 BOEING FIELD SEATTLE, WASH.  
**FACILITIES FOR TRAINEES**  
 GENERAL UTILITIES MAP  
 In 1 Sheet Sheet No. 1 Scale: 1" = 100'  
 U.S. Engineer Office, Seattle, Wash. 1944  
 Drawn: Submitted: Approved:  
 Traced: *O. C. Felt*  
 Checked: *R. J. ...*  
 Supervising Engineer Major, Corps of Engineers

FILE NO. N-9-233



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SEATTLE DIVISION  
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SEATTLE DIVISION  
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SEATTLE DIVISION  
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FLOOR AREA BY BUILDINGS

BOEING FIELD

DATE JULY 1950

<u>Code No.</u>	<u>Title</u>	<u>Total Sq. Ft.</u>
	B-29 Revetment Building No. 139	27,778
3350	Hangar #1 Building 30	24,000
3840	Flight Delivery Service Bldg. No. 140	4,400
	North Field Service Bldg. T 309	7,850
3367	Boeing Service Center Bldg. T 301	27,164
3371	Hangar No. 3 Bldg. T-316	24,131
3370	Hangar No. 2 Bldg. T-314	15,522
	Laboratory Bldg. T-318	12,475
	Office Bldg. T-102	21,000
3812	Oil Storage house Bldg. T-310	1500
3856	Operations Bldg. 122	11,000
3991	Bldg. T-673	1,200
3302	Compressor house Bldg. T-732	1,700
	Jet Test Station Bldg. T-311	100
3565	United Air Lines Hangar	
3361	Bldg. T-191	
3354	Alaska Airlines Bldg.	
3367	Boeing Service Center and Pumphouse.	
	High Capacity Pumping System	
3811	PCA-30	
	PCA-33	
3311	Fuel Tank Test Building	
3304	Fuel Test Lab.	
3851	Portable Paint Shed	
3365	Oil Storage Shed	
	Time Keeper's Office	
3313	Rocket test Control house.	
3351	Personnel Bldg. 907	
3308	Engine test Rig	
3303	Power Plant Boiler Room	
3305	Power Plant Elect. Equip. Bldg.	
3314	Pump Control House	
3307	Power Plant Fuel Supply Pump House	
3306	Power Plant receptical test house	
3301 & 2	Power Plant Bldg. 1 & 2	
3376	Transportation Dispatch Bldg.	
3302	Compressor House	

TOTAL

207,222

OFF.	TITLE	SQ. FEET	LOCATION
2	ENGINEERING	108	Operations Bldg.
		1,578	Flight Delivery Service Bldg.
		318	Hangar No. 1, Bldg. T-301
		5,081	Hangar No. 2, Bldg. T-314, 1st Fl.
		4,880	Hangar No. 2, Bldg. T-314, 2nd Fl.
		754	Test Station
		9,955	Stratocruiser School
		169	B-29 Revetment
		1,287	Fuel Tank Testing Bldg.
		3,861	Fuel Test Lab.
		2,301	Fuel Test Lab., Annex
	TOTAL	30,292	
4	503 COMMUNICATIONS	108	B-29 Revetment
524	PRODUCTION BLUEPRINTS	252	Operations Bldg.
		336	North Field Service Bldg.
		400	Hangar No. 1, Bldg. T-301
		240	B-29 Revetment
			TOTAL
526	PRODUCTION PARTS CONTROL	4,851	P.C.A. #30
		4,851	P.C.A. #33
		2,940	B-29 Revetment
		5,101	B-29 Revetment, 2nd Fl.
			TOTAL
527	FURNISHED PARTS	2,400	Hangar No. 3, Bldg. T-316, 2nd Fl.
540	INSPECTION	360	Operations Bldg.
		768	North Field Service Bldg.
		572	Hangar No. 1, Bldg. T-301
		160	Hangar No. 3, Bldg. T-316
		501	B-29 Revetment
			TOTAL
4	555 MEDICAL	99	Operations Bldg.
		132	B-29 Revetment
	TOTAL	231	
807	ELECTRICAL MAINT.	945	Operations Bldg.
808	FACTORY SERVICE	89	Operations Bldg.
		16	Flight Delivery Service Bldg.
		88	North Field Service Bldg.
		35	Hangar No. 3, Bldg. T-316, 1st Fl.
		36	Alaska Airlines Bldg.
		80	B-29 Revetment
			TOTAL

DATE	ACCOUNT	AMOUNT	REMARKS
819	PLANT REPAIR AND MAINT.	87 154 286 501 459 495 385 319 550 370 862	Operations Bldg. Flight Delivery Service Bldg. North Field Service Bldg. Hangar No. 1, Bldg. T-301 Hangar No. 2, Bldg. T-314 Hangar No. 3, Bldg. T-316 Pump House Strutocruiser School Office Bldg. Hangar No. 1 B-29 Revetment
	TOTAL	4,385	X
854	MATERIALS HANDLING	318 226	Hangar No. 1, Bldg. T-301 Alaska Airlines Bldg.
	TOTAL	544	X
900	EXPERIMENTAL DEPT. SUPERVISION	316	Hangar No. 1, Bldg. T-301
907	EXP. PREFLIGHT	22,589 5,949 1,504 361	Hangar No. 1, Bldg. T-301 Hangar No. 2, Bldg. T-314, 1st Flr Oil & Storage House
	TOTAL	30,397	X
910	FACILITIES - MAINT.	520 600	Hangar No. 1, Bldg. T-301 Bldg. No. T-191
	TOTAL	1,120	X
914	EXP. PRODUCTION	840 6,227 723	Hangar No. 1, Bldg. T-301 Bldg. T-191 Bldg. T-191 - Balcony
	TOTAL	7,840	X
U. S. AIR FORCE'S		226 1,708 380 270	Operations Bldg. Flight Delivery Service Bldg. North Field Service Bldg. Hangar No. 3, Bldg. T-316, 1st
	TOTAL	2,584	
CAFETERIA		1,009	Alaska Airlines Bldg.
38th AIR DEPOT (NAT'L. GUARD)		2,746	Office Bldg.
BOEMING VOCATIONAL SCHOOL		14,106	Office Bldg.
LUNCH AND LOCKER ROOM		400	Hangar No. 1
LUNCH ROOM		216	B-29- Revetment
VACANT		2,263	B-29 Revetment
TOILETS		5,737	
AISLES		5,640	
STAIRS		927	
ELEVATORS		220	
SHOWER ROOM		135	Hangar No. 2, Bldg. T-314

DATE	DESCRIPTION	AMOUNT	ACCOUNT
------	-------------	--------	---------

- DEBIT AMOUNTS -

440	ENGINEERING	495	Operations
480	ENGINEERING	900	Fuel Test Lab.



STATE OF MICHIGAN  
TREASURY DEPARTMENT  
BUREAU OF COMMERCE

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REPORT OF THE  
 COMMISSIONER OF THE  
 AIR FORCE  
 FOR THE YEAR 1957

LINE	DESCRIPTION	AMOUNT	UNIT	REMARKS
4 30	BLANK PAPER	21	100	Hangar No. 3, Bldg. 2-17
303	PRINTING & LITHO	10,000	1	Hangar No. 3
305	CONTRACTS	100	1	Operations Bldg.
306	BLANK CHECKS FOR PAYMENTS	1,000	1	Operations Bldg.
		1,000	1	Base Bank Bldg., Annex
		1,000	1	Hangar No. 3
	TOTAL	12,100	X	
309	B-29 REPAIRS	20,000	2	B-29 Maintenance
315	PROP. FREIGHTS	1,000	2	North Field, Strategic Bldg.
		100	1	Compressor House
	TOTAL	21,000	X	
323	ELECTRONICS & AIRCRAFT	10,000	2	Hangar No. 3, Bldg. 2-17
		9,000	2	Hangar No. 3, Bldg. 2-17
		1,000	2	Bldg. 2-17
	TOTAL	20,000	X	
432	REP. ROOF MATERIAL & LAB.	500	6	Operations Bldg., Annex
		300	6	North Field, Strategic Bldg.
		50	6	Hangar No. 3, Bldg. 2-17
		100	6	Hangar No. 3, Bldg. 2-17
		225	9	Hangar No. 3
		100	6	B-29 Maintenance
	TOTAL	1,175	X	
439	INDIVIDUAL EQUIPMENT	700	9	Operations Bldg.
		200	9	North Field, Strategic Bldg.
		500	9	B-29 Maintenance, Air Bldg.
	TOTAL	1,400	X	
442	STONES & FACILITIES	100	6	Operations Bldg.
444	TRAINING	100	9	Operations Bldg.
		100	9	North Field, Strategic Bldg.
		100	9	Hangar No. 3, Bldg. 2-17
	TOTAL	300	X	

MUNICIPAL AIRPLANE COMPANY  
 SERVICE DIVISION  
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Departments by Areas and Locations

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907 Personnel Building	9
Engine Test Rig	11
Fuel Test Lab and Annex	13
Power Plant Boiler Room	15
Power Plant Compressor House	17
Power Plant Electrical Equipment Building	19
Power Plant Pump Control House	21
Power Plant Fuel Supply Pump House	23
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Office Building T-102	29
Building T-191	31
Oil and Storage House Building No. T-310	33
Alaska Airlines Building	35
Service Center Building T-301 Hangar No. 1	37
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AIRCRAFT MAINTENANCE TOWNSHIP  
 SEATTLE DIVISION  
 FLOOR AREAS BY DEPARTMENTS  
 BOEING FIELD

DEPT. TIME	AREA OCCUPIED IN SQUARE FEET	LOCATION
4 30 PLANT PROTECTION	✓ 10 - 25	1st Floor Bldg. T-315
215 FACTORY TRAINING	✓ 4 - 2,686	B-29 Revetment
	✓ 9 - 22,118	Hangar #1 Bldg. 30
TOTAL	24,804	
305 FINAL ASS'Y PAINT & DECAL APPLICATION	✓ 1 - 287	Port. Paint Bldg. "A"
	✓ 1 - 287	Port. Paint Bldg. "B"
TOTAL	574	
306 B-50 CHANGE INSTALLATIONS	✓ 7 - 7,480	Operations Bldg. & Annex
315 ENGR. DESIGN CHANGE DEVELOPMENT	✓ 1 - 19,439	B-29 Revetment
316 PRODUCTION PREFLIGHT	✓ 9 - 854	Oil Storage Shed
	✓ 1 - 4,722	Building T-309
	✓ 1 - 130	Building T-732
TOTAL	5,706	
318 ELECTRONICS & ARMAMENT	✓ 2 - 1,068	Building T-673
	✓ 1 - 891	Building T-102
	✓ 3 - 8,336	1st Flr. Bldg. T-316
	✓ 1 - 8,876	2nd Flr. Bldg. T-316
TOTAL	19,171	
432 STD. TOOL MAINT. & DIST.	✓ 4 - 169	B-29 Revetment
	✓ 6 - 326	Hangar #1 Bldg. 30
	✓ 1 - 57	Service Center Bldg. T-301
	✓ 2 - 160	1st Flr. Bldg. T-316
	✓ 3 - 384	Building T-309
	✓ 6 - 575	Operations Bldg. & Annex
TOTAL	1,671	
439 INDUSTRIAL ENGINEERING	✓ 9 - 336	Building T-309
	✓ 1 - 752	Operations Bldg. & Annex
TOTAL	1,088	
442 RECLAMATION & STORES	✓ 6 - 216	Operations Bldg. & Annex
444 TIMEKEEPING HOURLY	✓ 9 - 100	B-29 Revetment
	✓ 4 - 180	Service Center Bldg. T-301
	✓ 4 - 455	Hangar 3 Bldg. T-316
	✓ 1 - 42	Building T-309
	✓ 9 - 100	Port. Timekeepers Office
TOTAL	818	



DEPT. TOTAL

DISBURSEMENT

808 FACTORY SERVICE

- ✓ 6 - 807 B-29 Revetment
- ✓ 6 - 42 Alaska Airlines Building
- ✓ 6 - 25 1st Floor Bldg. T-316
- ✓ 6 - 38 Building T-309
- ✓ 6 - 16 Building No. 140
- ✓ 6 - 89 Operations Bldg. and Annex

TOTAL 350

817 PLANT REAR AND TENT.

- ✓ 13 - 362 B-29 Revetment
- ✓ 13 - 370 Hangar #1 Bldg. 90
- ✓ 13 - 550 Building T-102
- ✓ 13 - 504 Service Center Bldg. T-301
- ✓ 13 - 453 1st Floor Building T-316
- ✓ 13 - 435 1st Floor Building T-316
- ✓ 13 - 339 Building T-316
- ✓ 13 - 256 Building T-309
- ✓ 13 - 154 Building No. 140
- ✓ 13 - 77 Operation Building and Annex

TOTAL 4,000

858 FINAL MATERIAL HANDLING

- ✓ 9 - 266 Trans, Dispatch Building

854 OUTSIDE MATERIAL HANDLING

- ✓ 4 - 318 Service Center Bldg. T-301

1 900 EXPERIMENTAL SUPT.

- ✓ 9 - 316 Service Center Bldg. T-301

1 907 EXPERIMENTAL FLIGHT CENTER

- ✓ 2 - 361 907 Personnel Building
- ✓ 9 - 361 Building T-191
- ✓ 2 - 965 Building T-310
- ✓ 1 - 238 Alaska Airlines Bldg.
- ✓ 1 - 22,409 Service Center Bldg. T-301
- ✓ 1 - 5,118 1st Floor Bldg. T-316

TOTAL 25,762

1 908 FINISHING

- ✓ 1 - 539 Building T-310

1 910 FACILITIES MAINTENANCE

- ✓ 4 - 600 Building T-191

1 914 EXPERIMENTAL PRODUCTION

- ✓ 4 - 7,007 Building T-191
- ✓ 6 - 810 Service Center Bldg. T-301

TOTAL 7,817

4 U. S. AIR FORCE

- ✓ 9 - 270 1st Flr. Bldg. T-316
- ✓ 7 - 380 Building T-309
- ✓ 7 - 3,286 Building No. 140
- ✓ 9 - 236 Operators Bldg. and Annex

TOTAL 4,162

4 CAFETERIA

- ✓ 10 - 525 Alaska Airline Bldg.

4 OFFICE VOCATIONAL SCHOOL

- ✓ 9 - 15,961 Building T-102

4 LUNCH AND LOCKER ROOM

- ✓ 10 - 216 B-29 Revetment
- ✓ 10 - 488 Alaska Airlines Bldg.

TOTAL 672

DEPT

AREA OCCUPIED  
IN SQUARE FEET LOCATION

VACANT

TOILETS

✓ 15-5,872

STAIRS

✓ 11-1,409

CORRIDORS

✓ 10-6,531

ELEVATORS

✓ 10-220

SHOWER ROOM

✓ 10-65

YARD AREAS

450

ENG. INTER. LAB.

900

Fuel Test Lab.

2160  
2295  
217, 7-7



January 1, 1954

BOEING AIRPLANE COMPANY  
SEATTLE DIVISION  
GENERAL AREA DATA

PLANT I

	Sq. Ft.	Acres
Total Area	762,635	17.5
Area Covered by Buildings	298,655	6.9
Yard Area on Front St. & 4th Ave. S.W.	4,665	0.1
Yard Area (other than above)	459,315	10.5

PLANT II

Total Area	4,647,380	106.7
Plant II Area Covered by Buildings	1,809,452	41.5
Plant II Yard Area	1,089,548	25.0
D. P. C. Leased Area Covered by Buildings	48,288	1.1
D. P. C. Leased Yard Area	95,505	2.2
North Property Area Covered by Buildings	442,286	10.2
North Property Yard Area	568,891	13.3
Dennison Property Area Covered by Buildings	28,242	0.7
Dennison Property Yard Area	16,758	0.4
Boeing Warehouse Site Area	536,410	12.3

BOEING FIELD

Total Area	5,347,299	122.8
Area Covered by Buildings	462,746	10.0
Paved Parking Area	1,634,180	37.6
Unpaved Parking Area	88,600	2.0
Apron Area	2,661,000	61.1
Other Yard Area	500,773	11.5

RENTON PLANT

Total Area	4,411,209	101.3
Area Covered by Buildings	1,720,654	39.5
Parking Area	1,545,330	35.5
Apron Area	725,000	16.6
Other Yard Area	420,225	9.7

RENTON FIELD

Total Area	1,061,877	24.4
Area Covered by Buildings	33,629	0.8
Apron Area	488,593	11.2
Paved Area	19,230	0.5
Other Unpaved Yard Area	520,425	11.9

SHUFFLETON JET LABORATORY

Total Area	222,396	5.1
Area Covered by Buildings	11,191	0.2
Parking Area	108,000	2.5
Other Yard Area	103,205	2.4

OUTSIDE WAREHOUSES

Total Area	801,939	18.4
Area Covered by Buildings	769,385	17.7
Other Yard Area	32,554	0.7

## INDEX

## ICEBERG FIELD

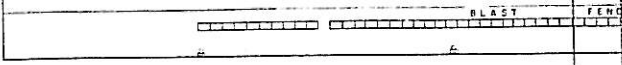
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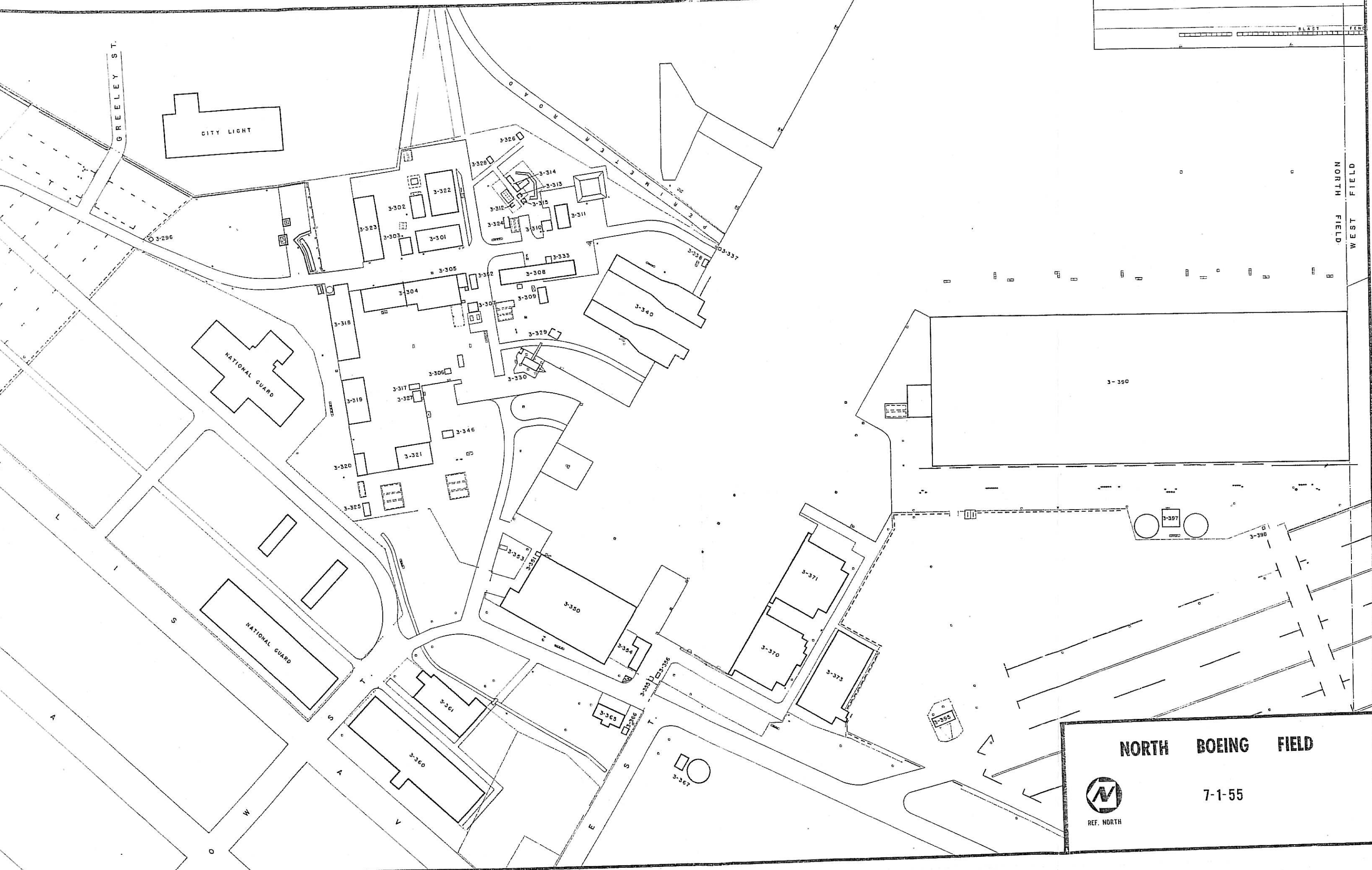
GREELEY ST.

CITY LIGHT

NATIONAL GUARD

NATIONAL GUARD

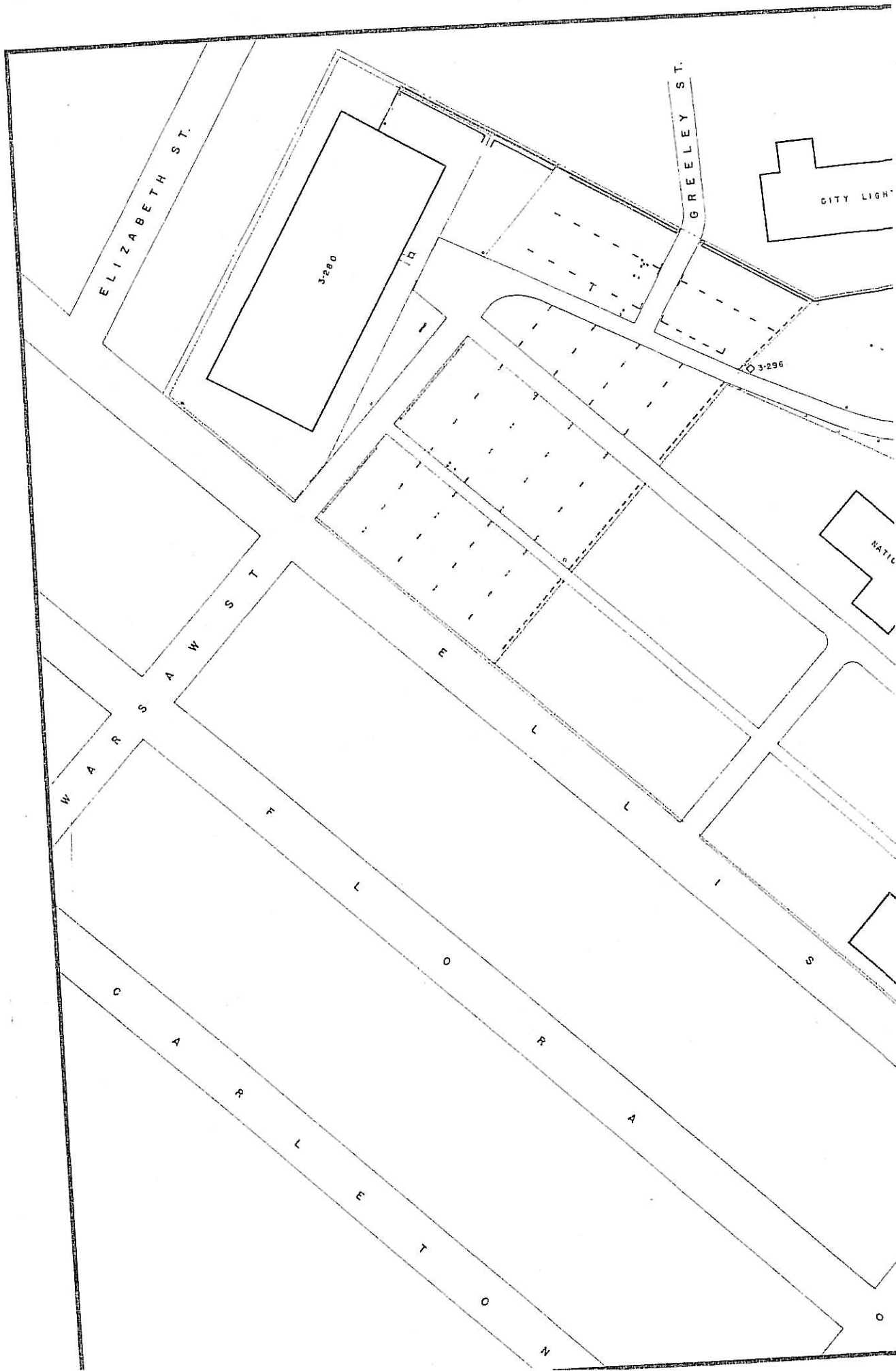
FIELD  
NORTH  
FIELD  
WEST



# NORTH BOEING FIELD



7-1-55



ELIZABETH ST.

GREELEY ST.

3-280

CITY LIGHT

3-296

W. A. S. T.

NATIO

Parcel 3-280

1955

NUMERICAL INDEX - BOEING FIELD  
SUMMARY OF COVERED AREAS

JANUARY 1 1955

BLDG CODE	TITLE	PAGE NO.	TOTAL SQ. FT.
3.296-1	GUARD HOUSE	17	48
3.297-1	STORAGE BUILDING	19	343
3.298-1	PERSONNEL BUILDING	21	100
3.299-1	RAM JET CONTROL BUILDING	23	100
3.301-1	SHOP BUILDING	25	5652
3.302-1	COMPRESSOR HOUSE	27	1325
3.303-1	BOILER HOUSE - PPTC BLDG	29	746
3.304-1	FUEL TEST LABORATORY - PPTC BLDG	31	7200
3.305-1	ELECTRICAL EQUIPMENT BLDG - PPTC BLDG	33	416
3.306-1	POWER PLANT RECPT TEST - PPTC BLDG	35	99
3.307-1	FUEL SUPPLY TEST HOUSE - PPTC BLDG	37	256
3.308-1	ENGINE TEST RIG - PPTC BLDG	39	3527
3.309-1	ENGINE FUME TEST BLDG - PPTC BLDG	41	458
3.310-1	PPTC PERSONNEL BLDG	43	400
3.311-1	FUEL TANK TESTING BLDG - PPTC BLDG	45	1350
3.312-1	PORTABLE BUILDING	47	50
3.313-1	ROCKET TEST CONTROL HOUSE	49	80
3.314-1	POWER PLANT PUMP CONTROL HOUSE	51	60
3.315-1	PORTABLE BUILDING	53	90
3.316-1	PERSONNEL BUILDING	55	102
3.317-1	PORTABLE BUILDING	57	206
3.318-1	TANK TEST LAB	59	5078
3.319-1	STAND TEST BLDG	61	3406
3.320-1	BOILER HOUSE	63	859
3.321-1	SLOSH TEST BLDG	65	2583
3.323-1	NON-HAZARDOUS BUILDING	67	4906
3.326-1	PORTABLE BUILDING	69	130
3.327-1	PORTABLE BUILDING	71	336



NUMERICAL INDEX - BOEING FIELD  
SUMMARY OF COVERED AREAS  
JANUARY 1 1955  
TITLE

BLDG CODE	TITLE	PAGE NO.	TOTAL SQ.FT.
3.328-1	STORAGE SHED	73	184*
3.329-1	BOOM TOWER CONTROL HOUSE	75	336
3.331-1	PORTABLE BUILDING	77	60
3.336-1	GUARD HOUSE	79	39
3.337-1	GUARD HOUSE - EAST GATE	81	38
3.338-1	FIREMAN SHED	83	146
3.340-1	B-52 NOISE SUPPRESSOR	85	6569
3.343-1	PORTABLE PERSONNEL BUILDING	87	82
3.346-1	BOOM TOWER OFFICE AND SHOP	89	280
3.347-1	PORTABLE BUILDING	91	25
3.348-1	STORAGE SHED	93	40
3.349-1	GUARD HOUSE	95	16
3.350-1	HANGAR NO 1 - 1ST FLOOR	97	26184
3.350-1	HANGAR NO 1 - BALCONIES	99	1232
3.350-	TOTAL AREA		27416*
3.351-1	PERSONNEL OFFICE	101	92
3.352-1	CLOCK AISLE - REF ONLY	103	510*
3.353-1	PORTABLE TIMEKEEPERS BLDG	105	112
3.354-1	ALASKA AIRLINES BUILDING	107	1434
3.355-1	GUARD HOUSE - MAIN GATE	109	48
3.356-1	WAITING SHED - MAIN GATE - REF ONLY	111	64*
3.357-1	GUARD HOUSE	113	28
3.360-1	BOEING VOCATIONAL SCHOOL	115	21335
3.361-1	BLDG NO T-191 - 1ST FLOOR	117	7596
3.361-1	BLDG NO T-191 - BALCONY	119	892
3.361-	TOTAL AREA		8488*
3.365-1	OIL STORAGE BLDG	121	1504
.366-1	QUONSET STORAGE BLDG	123	143

NUMERICAL INDEX - ROEING FIELD  
SUMMARY OF COVERED AREAS

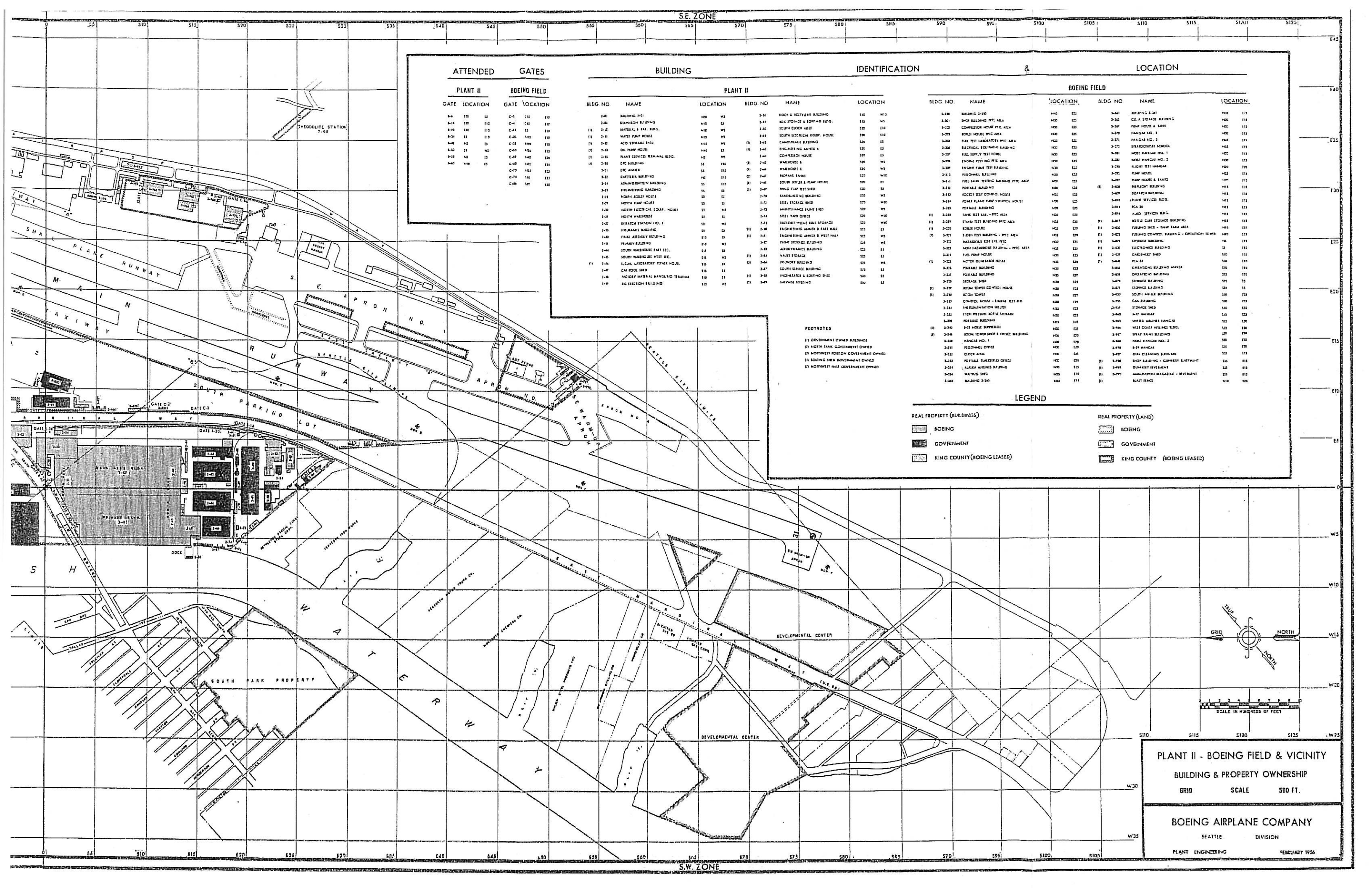
BLDG CODE	TITLE JANUARY 1 1955	PAGE NO.	TOTAL SQ.FT.
3.367-1	PUMP HOUSE AND TANK	125	429
3.370-1	HANGAR NO 2 - 1ST FLOOR	127	12182
3.370-1	HANGAR NO 2 - BALCONY	129	5517
3.370-	TOTAL AREA		17699*
3.371-1	HANGAR NO 3 - 1ST FLOOR	131	11968
3.371-2	HANGAR NO 3 - 2ND FLOOR	133	9888
3.371-	TOTAL AREA		21856*
3.372-1	WAITING SHED - TRANS AREA - REF ONLY	135	64*
3.373-1	STRATOCRUISER SCHOOL	137	12425
3.374-1	PORTABLE BUILDING	139	133
3.375-1	PORTABLE BUILDING	141	86
3.376-1	PORTABLE BUILDING	143	300
3.377-1	PORTABLE BUILDING	145	117
3.378-1	PORTABLE BUILDING	147	196
3.379-1	AUTO MAINTENANCE BLDG	149	1110
3.381-1	NOSE HANGAR NO 1 REF ONLY	151	574*
3.382-1	NOSE HANGAR NO 2 REF ONLY	153	574*
3.383-1	PORTABLE BUILDING	155	136
3.384-1	PORTABLE BUILDING REF ONLY	157	200*
3.385-1	PORTABLE BUILDING	159	120
3.390-1	FLIGHT TEST HANGAR - NORTH SECTION	161	109708
3.390-1	FLIGHT TEST HANGAR - SOUTH SECTION	163	112600
3.390-	TOTAL AREA		222308*
3.391-1	PORTABLE BUILDING	165	83
3.394-1	PORTABLE BUILDING	167	116
3.395-1	PUMP HOUSE T-332	169	532
3.397-1	PUMP HOUSE - TANKS	171	1202
3.398-1	GUARD HOUSE	173	37

NUMERICAL INDEX - BOEING FIELD  
SUMMARY OF COVERED AREAS  
JANUARY 1 1955  
TITLE

BLDG CODE	TITLE	PAGE NO.	TOTAL SQ.FT.
3.808-1	PREFLIGHT BUILDING	175	9761
3.808-1	PREFLIGHT BUILDING BALCONY	177	4986
3.809-1	DISPATCH BUILDING	179	750
3.810-1	MAINT - TRANS BUILDING	181	8624
3.811-1	PCA 30	183	4000
3.817-1	BOTTLE CART STORAGE BLDG	185	1763*
3.818-1	PORTABLE BUILDING	187	65
3.820-1	FUELING SHED	189	1220*
3.822-1	FUELING CONTROL BUILDING	191	928*
3.822-2	FUELING CONTROL BUILDING	193	138*
3.828-1	STORAGE BUILDING	195	677*
3.830-1	ELECTRONICS BLDG 1ST FLOOR	197	44235
3.830-1	ELECTRONICS BLDG MEZZANINE	199	6079
3.830-2	ELECTRONICS BLDG - 2ND FLOOR	201	7754
3.830-	TOTAL AREA		58068*
3.839-1	GARDENERS SHED	203	175
3.840-1	PCA 33	205	4400
3.841-1	GUARD HOUSE - FLIGHT OPERATIONS GATE	207	33
3.850-1	OPERATIONS BUILDING ANNEX	209	3406
3.856-1	OPERATIONS BUILDING	211	9216
3.857-1	GUARD HOUSE - FLT APRON GATE	213	49
3.870-1	STORAGE BUILDING	215	851
3.871-1	STORAGE BUILDING	217	851
3.950-1	SOUTH ANNEX BLDG - 1ST FLOOR	219	1553
3.950-2	SOUTH ANNEX BLDG - 2ND FLOOR	221	2013
3.950-	TOTAL AREA		3566*
3.955-1	CAA BUILDING - 1ST FLOOR	223	1632
3.959-1	STORAGE SHED	225	492

NUMERICAL INDEX - BOEING FIELD  
SUMMARY OF COVERED AREAS

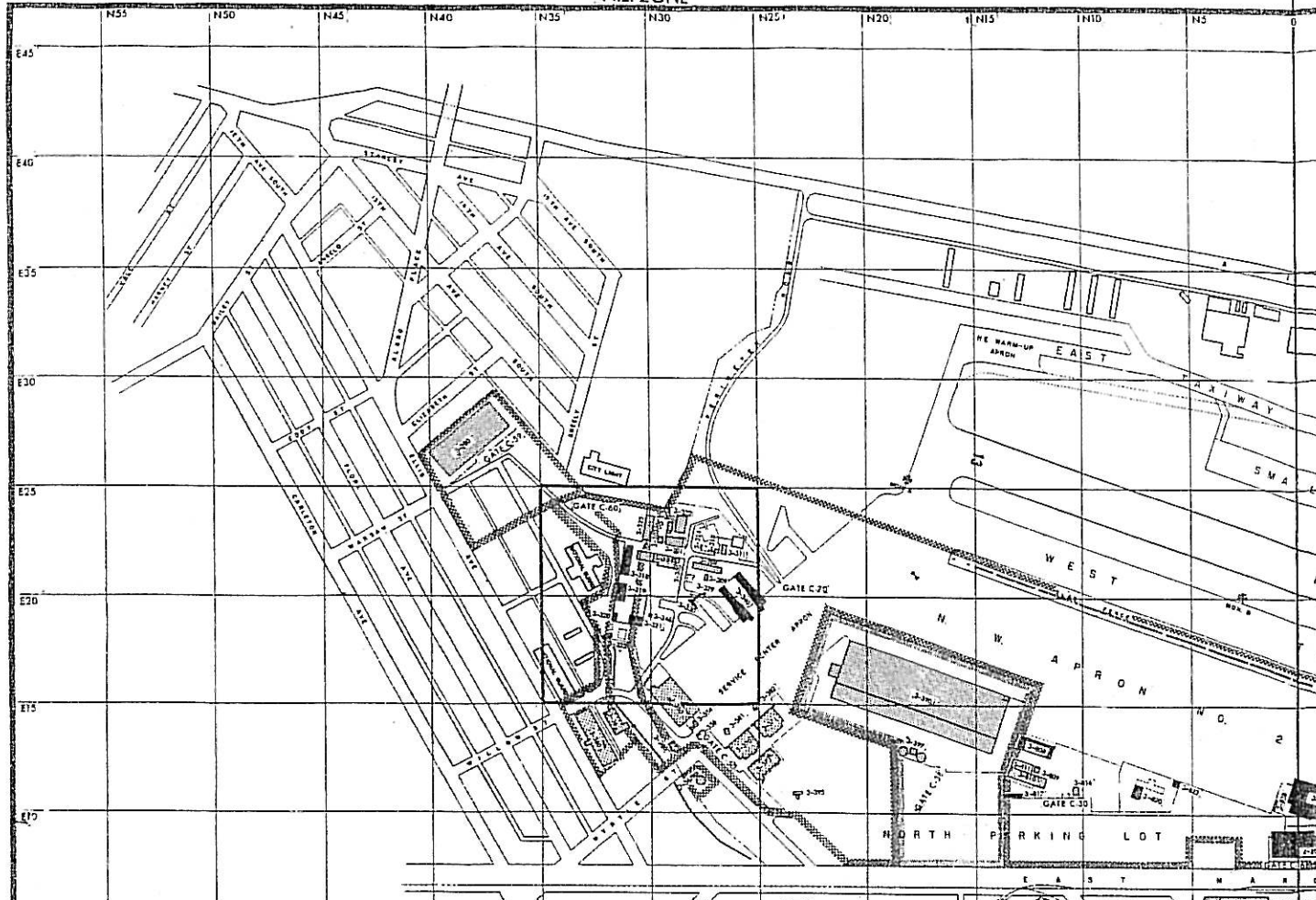
BLDG CODE	JANUARY 1 1955 TITLE	PAGE NO.	TOTAL SQ.FT.
3.960-1	B-17 HANGAR BLDG T-610	227	24492
3.961-1	GUARD HOUSE	229	17
3.965-1	UNITED AIRLINES HANGAR	231	24492
3.966-1	WEST COAST AIRLINES BLDG - 1ST FLOOR	233	14220
3.966-1	TOTAL AREA		15809*
3.966-1	WEST COAST AIRLINES BLDG - BALCONY	235	1631
3.967-1	SPRAY PAINT BLDG	237	300
3.968-1	NOSE HANGAR NO 3 REF ONLY	239	832*
3.969-1	GUARD HOUSE - B-29 HANGAR	124	49
3.970-1	B-29 HANGAR - 1ST FLOOR	243	31106
3.970-1	B-29 HANGAR - BALCONY	245	8892
3.970-	TOTAL AREA		37792*
3.971-1	WAITING SHED	247	103*
3.988-0	PLOT PLAN GUNNERY REVETMENT	249	
3.988-1	SHOP BLDG GUNNERY REVETMENT	251	680
3.989-	GUNNERY REVETMENT REF ONLY	253	4858*
3.990-	AMMUNITION MAGAZINE - REVETMENT	255	368
3.991-	BUILDING T-673	125	1200
	TOTAL COVERED AREA		605394**
	TOTAL COVERED YARD AREA		13152*



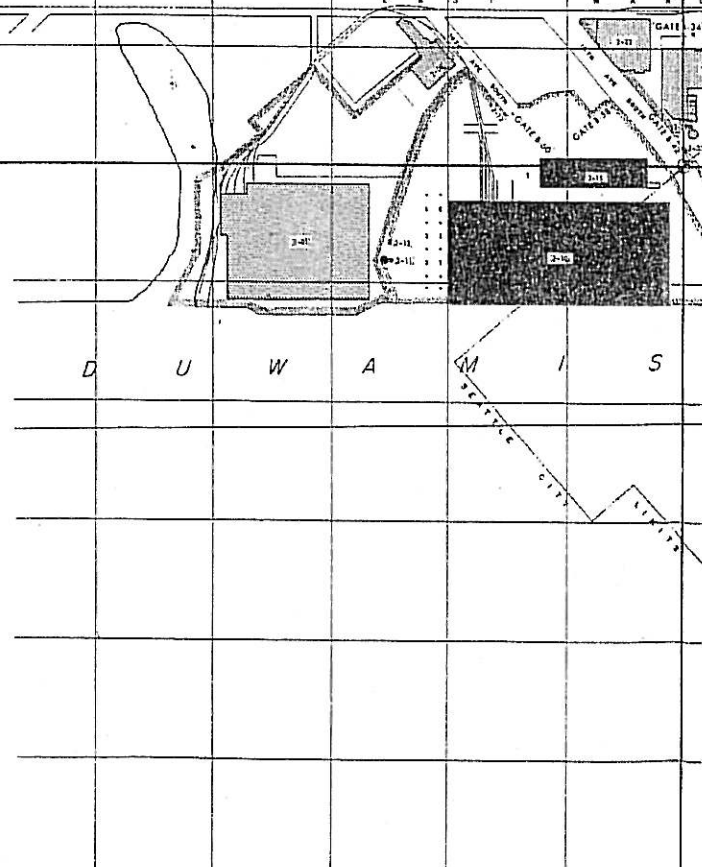
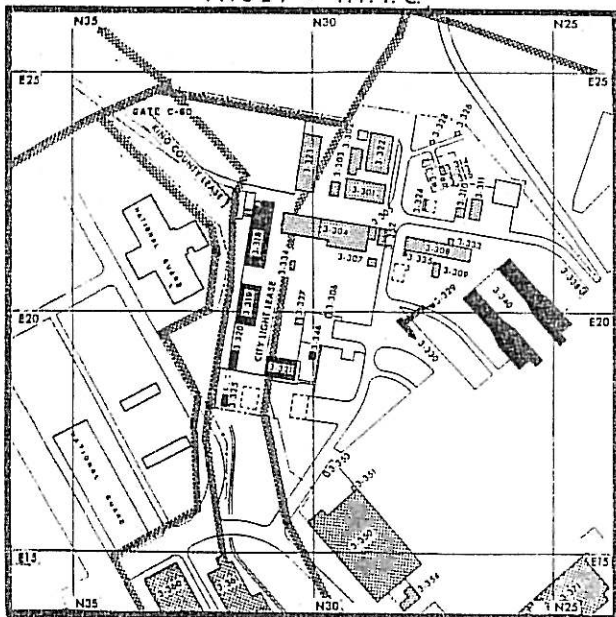
ATTENDED GATES		BUILDING		IDENTIFICATION		BOEING FIELD	
PLANT II		BOEING FIELD		PLANT II		BOEING FIELD	
GATE	LOCATION	GATE	LOCATION	BLDG NO.	NAME	BLDG NO.	NAME
3-4	330 E3	C-4	110 E10	3-1	DOCK & ACETYLENE BUILDING	3-180	BUILDING 3-180
3-14	330 E10	C-4	115 E10	3-2	BOX STORAGE & SORTING BLDG.	3-201	SHOP BUILDING PFC AREA
3-10	330 E10	C-14	115 E10	3-3	SOUTH EDOCK ASSEY	3-202	COMPRESSION HOUSE PFC AREA
3-24	33 E10	C-20	115 E10	3-4	SOUTH ELECTRICAL EQUIP. HOUSE	3-203	HOUSE HOUSE PFC AREA
3-42	33 E3	C-28	105 E10	3-5	ACID STORAGE SHED	3-204	FUEL TEST LABORATORY PFC AREA
3-10	33 E3	C-30	120 E10	3-6	OIL PUMP HOUSE	3-205	ELECTRICAL EQUIPMENT BUILDING
3-18	30 E3	C-37	140 E10	3-7	PLANT SERVICES TERMINAL BLDG.	3-206	FUEL SUPPLY TEST HOUSE
3-40	310 E3	C-37	125 E10	3-8	SFC BUILDING	3-207	ENGINE TEST BIG PFC AREA
		C-37	130 E10	3-9	SFC ANNEX	3-208	ENGINE FUME TEST BUILDING
		C-48	120 E10	3-10	LABORATORY BUILDING	3-209	PERSONNEL BUILDING
		C-48	125 E10	3-11	ADMINISTRATION BUILDING	3-210	FUEL TANK TESTING BUILDING PFC AREA
		C-48	130 E10	3-12	ENGINEERING BUILDING	3-211	PORTABLE BUILDING
		C-48	135 E10	3-13	NORTH ACLES HOUSE	3-212	ROCKET TEST CONTROL HOUSE
		C-48	140 E10	3-14	NORTH PUMP HOUSE	3-213	POWER PLANT PUMP CONTROL HOUSE
		C-48	145 E10	3-15	NORTH ELECTRICAL EQUIP. HOUSE	3-214	PORTABLE BUILDING
		C-48	150 E10	3-16	NORTH WAREHOUSE	3-215	TANK TEST LAB. - PFC AREA
		C-48	155 E10	3-17	DIFFUSION STATION P.C. 1	3-216	STAND TEST BUILDING PFC AREA
		C-48	160 E10	3-18	INSURANCE BUILDING	3-217	ROCKET HOUSE
		C-48	165 E10	3-19	FINAL ASSEMBLY BUILDING	3-218	SLURRY TEST BUILDING - PFC AREA
		C-48	170 E10	3-20	PRIMARY BUILDING	3-219	HAZARDOUS TEST LAB. PFC
		C-48	175 E10	3-21	SOUTH WAREHOUSE EAST SEC.	3-220	NON HAZARDOUS BUILDING - PFC AREA
		C-48	180 E10	3-22	SOUTH WAREHOUSE WEST SEC.	3-221	FUEL PUMP HOUSE
		C-48	185 E10	3-23	L.C.M. LABORATORY TOWER HOUSE	3-222	WATER CLEANING HOUSE
		C-48	190 E10	3-24	CAR POOL SHED	3-223	PORTABLE BUILDING
		C-48	195 E10	3-25	FACTORY MATERIAL HANDLING TERMINAL	3-224	PORTABLE BUILDING
		C-48	200 E10	3-26	20 SECTION BUILDING	3-225	STORAGE SHED
		C-48	205 E10	3-27		3-226	STORAGE BUILDING
		C-48	210 E10	3-28		3-227	SOUTH APRON BUILDING
		C-48	215 E10	3-29		3-228	CAA BUILDING
		C-48	220 E10	3-30		3-229	STORAGE SHED
		C-48	225 E10	3-31		3-230	CAA BUILDING
		C-48	230 E10	3-32		3-231	STORAGE SHED
		C-48	235 E10	3-33		3-232	CAA BUILDING
		C-48	240 E10	3-34		3-233	STORAGE SHED
		C-48	245 E10	3-35		3-234	CAA BUILDING
		C-48	250 E10	3-36		3-235	STORAGE SHED
		C-48	255 E10	3-37		3-236	CAA BUILDING
		C-48	260 E10	3-38		3-237	STORAGE SHED
		C-48	265 E10	3-39		3-238	CAA BUILDING
		C-48	270 E10	3-40		3-239	STORAGE SHED
		C-48	275 E10	3-41		3-240	CAA BUILDING
		C-48	280 E10	3-42		3-241	STORAGE SHED
		C-48	285 E10	3-43		3-242	CAA BUILDING
		C-48	290 E10	3-44		3-243	STORAGE SHED
		C-48	295 E10	3-45		3-244	CAA BUILDING
		C-48	300 E10	3-46		3-245	STORAGE SHED
		C-48	305 E10	3-47		3-246	CAA BUILDING
		C-48	310 E10	3-48		3-247	STORAGE SHED
		C-48	315 E10	3-49		3-248	CAA BUILDING
		C-48	320 E10	3-50		3-249	STORAGE SHED
		C-48	325 E10	3-51		3-250	CAA BUILDING
		C-48	330 E10	3-52		3-251	STORAGE SHED
		C-48	335 E10	3-53		3-252	CAA BUILDING
		C-48	340 E10	3-54		3-253	STORAGE SHED
		C-48	345 E10	3-55		3-254	CAA BUILDING
		C-48	350 E10	3-56		3-255	STORAGE SHED
		C-48	355 E10	3-57		3-256	CAA BUILDING
		C-48	360 E10	3-58		3-257	STORAGE SHED
		C-48	365 E10	3-59		3-258	CAA BUILDING
		C-48	370 E10	3-60		3-259	STORAGE SHED
		C-48	375 E10	3-61		3-260	CAA BUILDING
		C-48	380 E10	3-62		3-261	STORAGE SHED
		C-48	385 E10	3-63		3-262	CAA BUILDING
		C-48	390 E10	3-64		3-263	STORAGE SHED
		C-48	395 E10	3-65		3-264	CAA BUILDING
		C-48	400 E10	3-66		3-265	STORAGE SHED
		C-48	405 E10	3-67		3-266	CAA BUILDING
		C-48	410 E10	3-68		3-267	STORAGE SHED
		C-48	415 E10	3-69		3-268	CAA BUILDING
		C-48	420 E10	3-70		3-269	STORAGE SHED
		C-48	425 E10	3-71		3-270	CAA BUILDING
		C-48	430 E10	3-72		3-271	STORAGE SHED
		C-48	435 E10	3-73		3-272	CAA BUILDING
		C-48	440 E10	3-74		3-273	STORAGE SHED
		C-48	445 E10	3-75		3-274	CAA BUILDING
		C-48	450 E10	3-76		3-275	STORAGE SHED
		C-48	455 E10	3-77		3-276	CAA BUILDING
		C-48	460 E10	3-78		3-277	STORAGE SHED
		C-48	465 E10	3-79		3-278	CAA BUILDING
		C-48	470 E10	3-80		3-279	STORAGE SHED
		C-48	475 E10	3-81		3-280	CAA BUILDING
		C-48	480 E10	3-82		3-281	STORAGE SHED
		C-48	485 E10	3-83		3-282	CAA BUILDING
		C-48	490 E10	3-84		3-283	STORAGE SHED
		C-48	495 E10	3-85		3-284	CAA BUILDING
		C-48	500 E10	3-86		3-285	STORAGE SHED
		C-48	505 E10	3-87		3-286	CAA BUILDING
		C-48	510 E10	3-88		3-287	STORAGE SHED
		C-48	515 E10	3-89		3-288	CAA BUILDING
		C-48	520 E10	3-90		3-289	STORAGE SHED
		C-48	525 E10	3-91		3-290	CAA BUILDING
		C-48	530 E10	3-92		3-291	STORAGE SHED
		C-48	535 E10	3-93		3-292	CAA BUILDING
		C-48	540 E10	3-94		3-293	STORAGE SHED
		C-48	545 E10	3-95		3-294	CAA BUILDING
		C-48	550 E10	3-96		3-295	STORAGE SHED
		C-48	555 E10	3-97		3-296	CAA BUILDING
		C-48	560 E10	3-98		3-297	STORAGE SHED
		C-48	565 E10	3-99		3-298	CAA BUILDING
		C-48	570 E10	3-100		3-299	STORAGE SHED
		C-48	575 E10	3-101		3-300	CAA BUILDING
		C-48	580 E10	3-102		3-301	STORAGE SHED
		C-48	585 E10	3-103		3-302	CAA BUILDING
		C-48	590 E10	3-104		3-303	STORAGE SHED
		C-48	595 E10	3-105		3-304	CAA BUILDING
		C-48	600 E10	3-106		3-305	STORAGE SHED
		C-48	605 E10	3-107		3-306	CAA BUILDING
		C-48	610 E10	3-108		3-307	STORAGE SHED
		C-48	615 E10	3-109		3-308	CAA BUILDING
		C-48	620 E10	3-110		3-309	STORAGE SHED
		C-48	625 E10	3-111		3-310	CAA BUILDING
		C-48	630 E10	3-112		3-311	STORAGE SHED
		C-48	635 E10	3-113		3-312	CAA BUILDING
		C-48	640 E10	3-114		3-313	STORAGE SHED
		C-48	645 E10	3-115		3-314	CAA BUILDING
		C-48	650 E10	3-116		3-315	STORAGE SHED
		C-48	655 E10	3-117		3-316	CAA BUILDING
		C-48	660 E10	3-118		3-317	STORAGE SHED
		C-48	665 E10	3-119		3-318	CAA BUILDING
		C-48	670 E10	3-120		3-319	STORAGE SHED
		C-48	675 E10	3-121		3-320	CAA BUILDING
		C-48	680 E10	3-122		3-321	STORAGE SHED
		C-48	685 E10	3-123		3-322	CAA BUILDING
		C-48	690 E10	3-124		3-323	STORAGE SHED
		C-48	695 E10	3-125		3-324	CAA BUILDING
		C-48	700 E10	3-126		3-325	STORAGE SHED
		C-48	705 E10	3-127		3-326	CAA BUILDING
		C-48	710 E10	3-128		3-327	STORAGE SHED
		C-48	715 E10	3-129		3-328	CAA BUILDING
		C-48	720 E10	3-130		3-329	STORAGE SHED
		C-48	725 E10	3-131		3-330	CAA BUILDING
		C-48	730 E10	3-132		3-331	STORAGE SHED
		C-48	735 E10	3-133		3-332	CAA BUILDING
		C-48	740 E10	3-134		3-333	STORAGE SHED
		C-48	745 E10	3-135		3-334	CAA BUILDING
		C-48	750 E10	3-136		3-335	STORAGE SHED
		C-48	755 E10	3-137		3-336	CAA BUILDING
		C-48	760 E10	3-138		3-337	STORAGE SHED
		C-48	765 E10	3-139		3-338	CAA BUILDING
		C-48	770 E10	3-140		3-339	STORAGE SHED
		C-48	775 E10	3-141		3-340	CAA BUILDING
		C-48	780 E10	3-142		3-341	STORAGE SHED
		C-48	785 E10	3-143		3-342	CAA BUILDING
		C-48	790 E10	3-144		3-343	STORAGE SHED
		C-48	795 E10	3-145		3-344	CAA BUILDING
		C-48	800 E10	3-146		3-345	STORAGE SHED
		C-48	805 E10	3-147		3-346	CAA BUILDING
		C-48	810 E10	3-148		3-347	STORAGE SHED
		C-48	815 E10	3-149		3-348	CAA BUILDING
		C-48	820 E10	3-150		3-349	STORAGE SHED
		C-48	825 E10	3-151		3-350	CAA BUILDING
		C-48	830 E10	3-152		3-351	STORAGE SHED
		C-48	835 E10	3-153		3-352	CAA BUILDING
		C-48	840 E10	3-154		3-353	STORAGE SHED
		C-48	845 E10	3-155		3-354	CAA BUILDING
		C-48	850 E10	3-156		3-355	STORAGE SHED
		C-48	855 E10	3-157		3-356	CAA BUILDING
		C-48	860 E10	3-158		3-357	STORAGE SHED
		C-48	865 E10	3-1			



N.E. ZONE



INSET - P.P.T.C.



N.W. ZONE

1956

# NUMERICAL INDEX

BOEING FIELD

PLANT AREA MANUAL  
JANUARY 1, 1956



## NUMERICAL INDEX - - BOEING FIELD

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3-299	RAM JET CONTROL BLDG	4
3-301	SHOP BUILDING	5
3-302	COMPRESSOR HOUSE	4
3-303	BOILER HOUSE	6
3-304	FUEL TEST LABORATORY	6
3-305	ELECTRICAL EQUIPMENT BLDG	7
3-306	POWER PLANT RECEPTACLE TEST	7
3-307	FUEL SUPPLY TEST HOUSE	8
3-308	ENGINE TEST RIG	8
3-309	ENGINE FUME TEST BUILDING	9
3-310	PERSONNEL BUILDING	9
3-311	FUEL TANK TESTING BUILDING	10
3-312	PORTABLE BUILDING	11
3-313	ROCKET TEST CONTROL HOUSE	11
3-314	POWER PLANT PUMP CONTROL HOUSE	12
3-315	PORTABLE BUILDING	12
3-316	PERSONNEL BUILDING	13
3-317	PORTABLE BUILDING	13
3-318	TANK TEST LAB	14
3-319	STAND TEST BUILDING	14
3-320	BOILER HOUSE	15
3-321	SLOSH TEST BUILDING	15

## NUMERICAL INDEX -- BOEING FIELD

BLDG CODE	BUILDING TITLE	PAGE NO
3-322	HAZARDOUS TEST LAB	16
3-323	NON HAZARDOUS BUILDING	16
3-324	FUEL PUMP HOUSE	17
3-325	GENERATOR HOUSE	17
3-326	PORTABLE BUILDING	18
3-327	PORTABLE BUILDING	18
3-328	STORAGE SHED - REF ONLY	19
3-329	BOOM TOWER CONTROL HOUSE	19
3-330	BOOM TOWER	20
3-331	PORTABLE BUILDING	20
3-333	CONTROL HOUSE - ENGINE TEST RIG	21
3-334	INSTRUMENTATION SHELTER	21
3-335	BOTTLE STORAGE SHELTER - REF ONLY	22
3-337	GUARD HOUSE NORTH APRON GATE	22
3-338	PORTABLE BUILDING	23
3-340	B-52 NOISE SUPPRESSOR	24
3-343	PORTABLE PERSONNEL BUILDING	23
3-346	BOOM TOWER SHOP AND OFFICE BLDG	25
3-348	STORAGE SHED	25
3-350	HANGAR NO 1	26
3-351	PERSONNEL OFFICE	27
3-352	CLOCK AISLEY - REF ONLY	27
3-353	PORTABLE TIMEKEEPERS OFFICE	28
3-354	ALASKA AIRLINES BLDG	28
3-355	GUARD HOUSE - MAIN GATE	29

## NUMERICAL INDEX -- BOEING FIELD

BLDG CODE	BUILDING TITLE	PAGE NO
3-356	WAITING SHED - REF ONLY	29
3-357	GUARD HOUSE	30
3-360	BUILDING 3-360	31
3-361	BUILDING 3-361	32
3-365	OIL AND STORAGE BUILDING	30
3-367	PUMP HOUSE AND TANK	33
3-370	HANGAR NO 2	34
3-371	HANGAR NO 3	36
3-372	WAITING SHED - REF ONLY	39
3-373	STRATOCRUISER SCHOOL	38
3-374	PORTABLE BUILDING	39
3-376	PORTABLE BUILDING	40
3-381	NOSE HANGAR NO 1 - REF ONLY	40
3-382	NOSE HANGAR NO 2 - REF ONLY	41
3-383	PORTABLE BUILDING	41
3-384	PORTABLE BUILDING - REF ONLY	42
3-385	PORTABLE BUILDING	42
3-390	FLIGHT TEST HANGAR	43
3-391	PORTABLE BUILDING	47
3-395	PUMP HOUSE	48
3-397	PUMP HOUSE AND TANKS	48
3-398	GUARD HOUSE	49
3-808	PREFLIGHT BUILDING	50
3-809	DISPATCH BUILDING	49
3-810	PLANT SERVICES TERMINAL BLDG	52

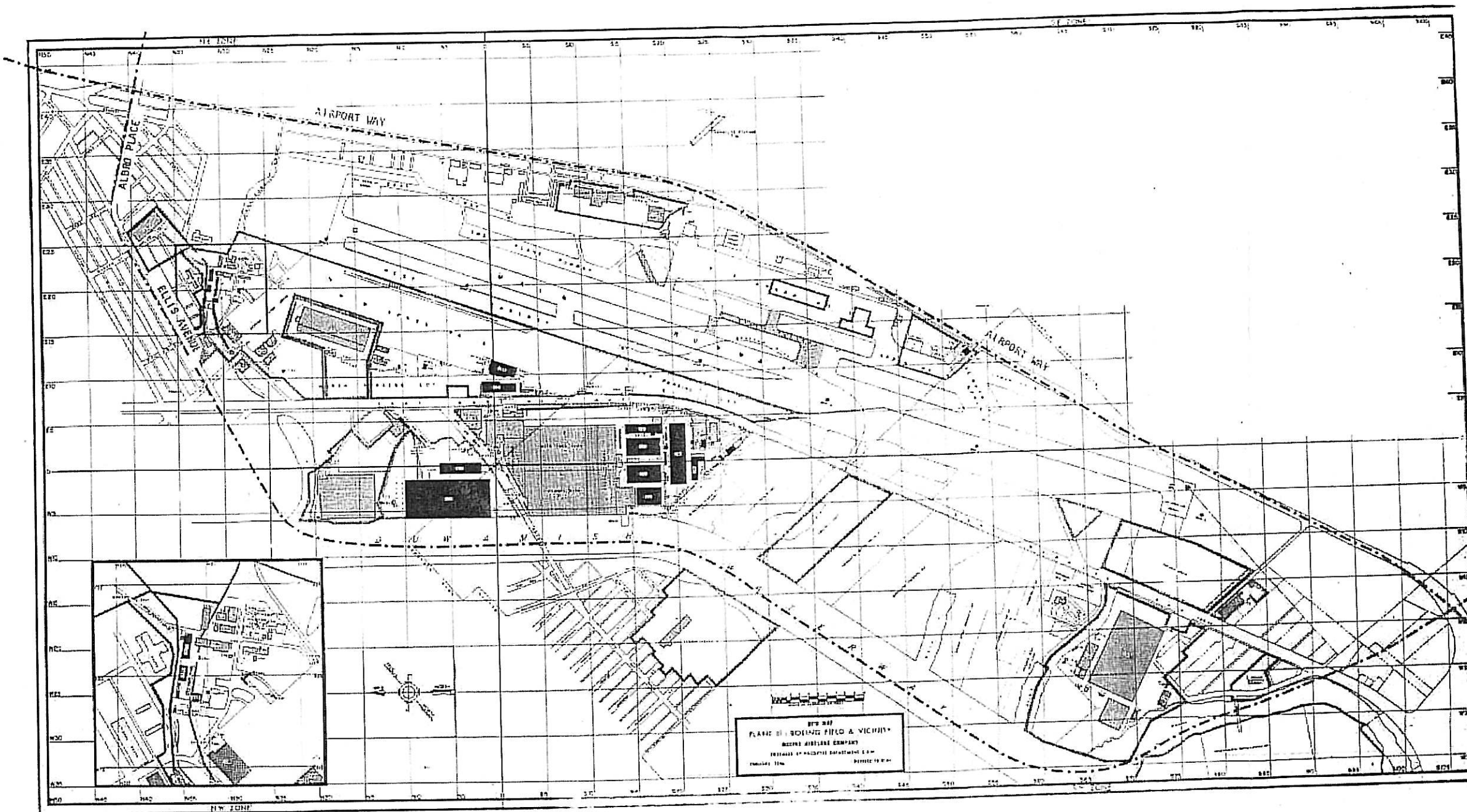
## NUMERICAL INDEX - - BOEING FIELD

BLDG CODE	BUILDING TITLE	PAGE NO
3-811	PCA 30	53
3-816	AUTO SERVICES BLDG	53
3-817	BOTTLE CART STORAGE BLDG - REF ONLY	54
3-818	PORTABLE BUILDING	54
3-820	FUELING SHED - REF ONLY	55
3-822	FUELING CONTROL BUILDING	56
3-828	STORAGE BUILDING - REF ONLY	55
3-830	ELECTRONICS BUILDING	57
3-839	GARDNERS SHED	59
3-840	PCA 33	62
3-841	GUARD HOUSE - FLIGHT OPERATIONS GATE	59
3-850	OPERATIONS BUILDING ANNEX	63
3-856	OPERATIONS BUILDING	64
3-857	GUARD HOUSE - FLIGHT APRON GATE	63
3-870	STORAGE BUILDING	65
3-871	STORAGE BUILDING	65
3-950	SOUTH ANNEX BUILDING	66
3-955	CAA BUILDING	67
3-959	STORAGE SHED	68
3-960	B-17 HANGAR	69
3-961	GUARD HOUSE	70
3-965	UNITED AIRLINES HANGAR	71
3-966	WEST COAST AIRLINES BUILDING	72
3-967	SPRAY PAINT BUILDING	70
3-968	NOSE HANGAR NO 3 - REF ONLY	74

## NUMERICAL INDEX - - BOEING FIELD

BLDG CODE	BUILDING TITLE	PAGE NO
3-969	GUARD HOUSE - B-29 HANGAR	74
3-970	B-29 HANGAR	75
3-971	WAITING SHED - REF ONLY	77
3-972	GUARD HOUSE	77
3-987	GUN CLEANING BLDG	78
3-988	SHOP BUILDING - GUNNERY REVETMENT	78
3-989	GUNNERY REVETMENT - REF ONLY	79
3-990	AMMUNITION MAGAZINE - REVETMENT	79

1960

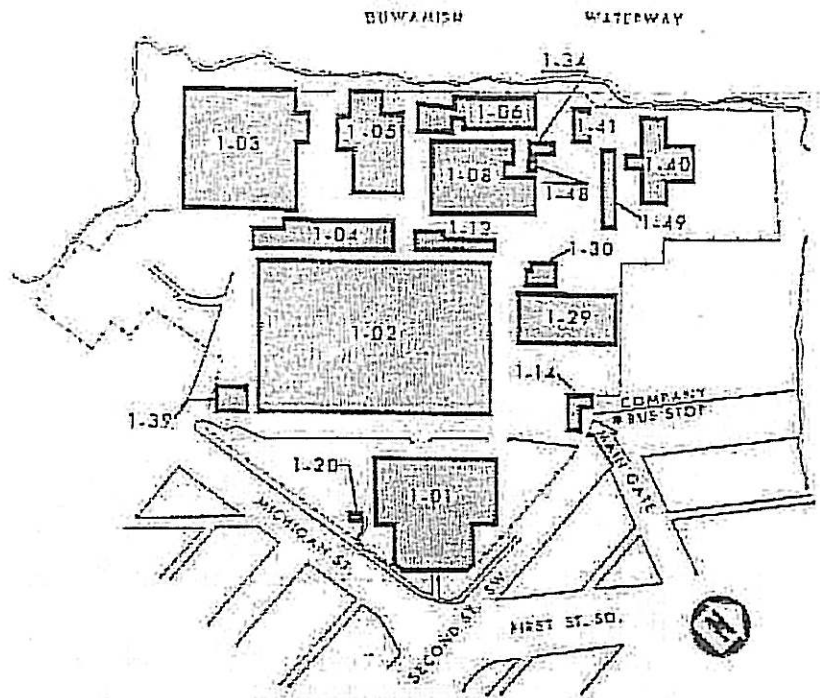


1965

# PLANT I

## PLOT PLAN

<del>BLDG. NO.</del>	<del>BUILDING NAME</del>
<del>1-01</del>	<del>ADMINISTRATION BUILDING</del>
<del>1-02</del>	<del>MAIN FACTORY BUILDING</del>
<del>1-03</del>	<del>ASSEMBLY BUILDING</del>
<del>1-04</del>	<del>FINISHING &amp; INSPECTION BUILDING</del>
<del>1-05</del>	<del>MAINTENANCE BUILDING</del>
<del>1-06</del>	<del>STRUCTURAL TEST SHOP</del>
<del>1-08</del>	<del>OLD ASSEMBLY BUILDING</del>
<del>1-12</del>	<del>STORAGE BUILDING</del>
<del>1-14</del>	<del>TIME OFFICE - GATE HOUSE</del>
<del>1-20</del>	<del>MOTOR GENERATOR BUILDING</del>
<del>1-29</del>	<del>STORES BUILDING</del>
<del>1-30</del>	<del>BOILER HOUSE</del>
<del>1-34</del>	<del>TEST BUILDING</del>
<del>1-39</del>	<del>COMPRESSOR BUILDING</del>
<del>1-40</del>	<del>FOUNDRY</del>
<del>1-41</del>	<del>TEST SHED</del>
<del>1-48</del>	<del>STORAGE BUILDING</del>
<del>1-49</del>	<del>HYDROSTATIC TEST TANK</del>



# PLANT II, FIELD & B.S.R.C.

<del>BLDG. NO.</del>	<del>BUILDING NAME</del>
<del>2-01</del>	<del>BUILDING 2-01</del>
<del>2-08</del>	<del>DENNISON BUILDING</del>
<del>2-09</del>	<del>BUTLER BUILDING</del>
<del>2-10</del>	<del>MATERIAL &amp; FABRICATION BUILDING</del>
<del>2-13</del>	<del>PLANT SERVICES TERMINAL</del>
<del>2-20</del>	<del>DPC BUILDING</del>
<del>2-21</del>	<del>DPC ANNEX</del>
<del>2-22</del>	<del>CATERERIA BUILDING</del>
<del>2-24</del>	<del>ADMINISTRATION BUILDING</del>
<del>2-25</del>	<del>ENGINEERING BUILDING</del>
<del>2-51</del>	<del>NORTH WAREHOUSE</del>
<del>2-33</del>	<del>BOEING COMPUTER CENTER</del>
<del>2-40</del>	<del>FINAL ASSEMBLY BUILDING</del>
<del>2-41</del>	<del>PRIMARY BUILDING</del>
<del>2-42</del>	<del>SOUTH WAREHOUSE</del>
<del>2-49</del>	<del>JIG ERECTION BUILDING</del>
<del>2-52</del>	<del>CAMOUFLAGE BUILDING</del>
<del>2-53</del>	<del>ANNEX A</del>
<del>2-54</del>	<del>COMPRESSOR HOUSE</del>
<del>2-55</del>	<del>ANNEX B</del>
<del>2-56</del>	<del>ANNEX C</del>
<del>2-59</del>	<del>ANNEX D</del>
<del>2-52</del>	<del>AERODYNAMICS BUILDING</del>

<del>BLDG. NO.</del>	<del>BUILDING NAME</del>
<del>2-84</del>	<del>WIND TUNNEL ANNEX</del>
<del>2-86</del>	<del>FOUNDRY BUILDING</del>
<del>2-87</del>	<del>SOUTH SERVICE BUILDING</del>
<del>2-89</del>	<del>SALVAGE BUILDING</del>
<del>3-280</del>	<del>ELLIS AVE. BUILDING</del>
<del>3-301</del>	<del>SHOP BUILDING</del>
<del>3-308</del>	<del>ENGINE TEST RIG</del>
<del>3-320</del>	<del>BOILER HOUSE</del>
<del>3-321</del>	<del>SCOSH TEST BUILDING</del>
<del>3-322</del>	<del>HAZARDOUS TEST LABORATORY</del>
<del>3-323</del>	<del>NON-HAZARDOUS BUILDING</del>
<del>3-344</del>	<del>BUILDING 3-344</del>
<del>3-346</del>	<del>BOOM TOWER</del>
<del>3-350</del>	<del>HANGAR NO. 1</del>
<del>3-360</del>	<del>BUILDING 3-360</del>
<del>3-361</del>	<del>BUILDING 3-361</del>
<del>3-370</del>	<del>HANGAR NO. 2</del>
<del>3-371</del>	<del>HANGAR NO. 3</del>
<del>3-373</del>	<del>STRATOCRUISER SCHOOL</del>
<del>3-390</del>	<del>FLIGHT TEST HANGAR</del>
<del>3-803</del>	<del>PREFLIGHT BUILDING</del>
<del>3-810</del>	<del>PLANT SERVICES BUILDING</del>
<del>3-830</del>	<del>ELECTRONICS BUILDING</del>
<del>3-962</del>	<del>ELECTRONIC MANUFACTURING FACILITY</del>
<del>3-970</del>	<del>3-29 HANGAR</del>
<del>15-01</del>	<del>BOEING SCIENTIFIC RESEARCH LABORATORY</del>
<del>15-05</del>	<del>PRIMARY STANDARDS METROLOGY LABORATORY</del>
<del>15-10</del>	<del>RADIATION EFFECTS LABORATORY</del>

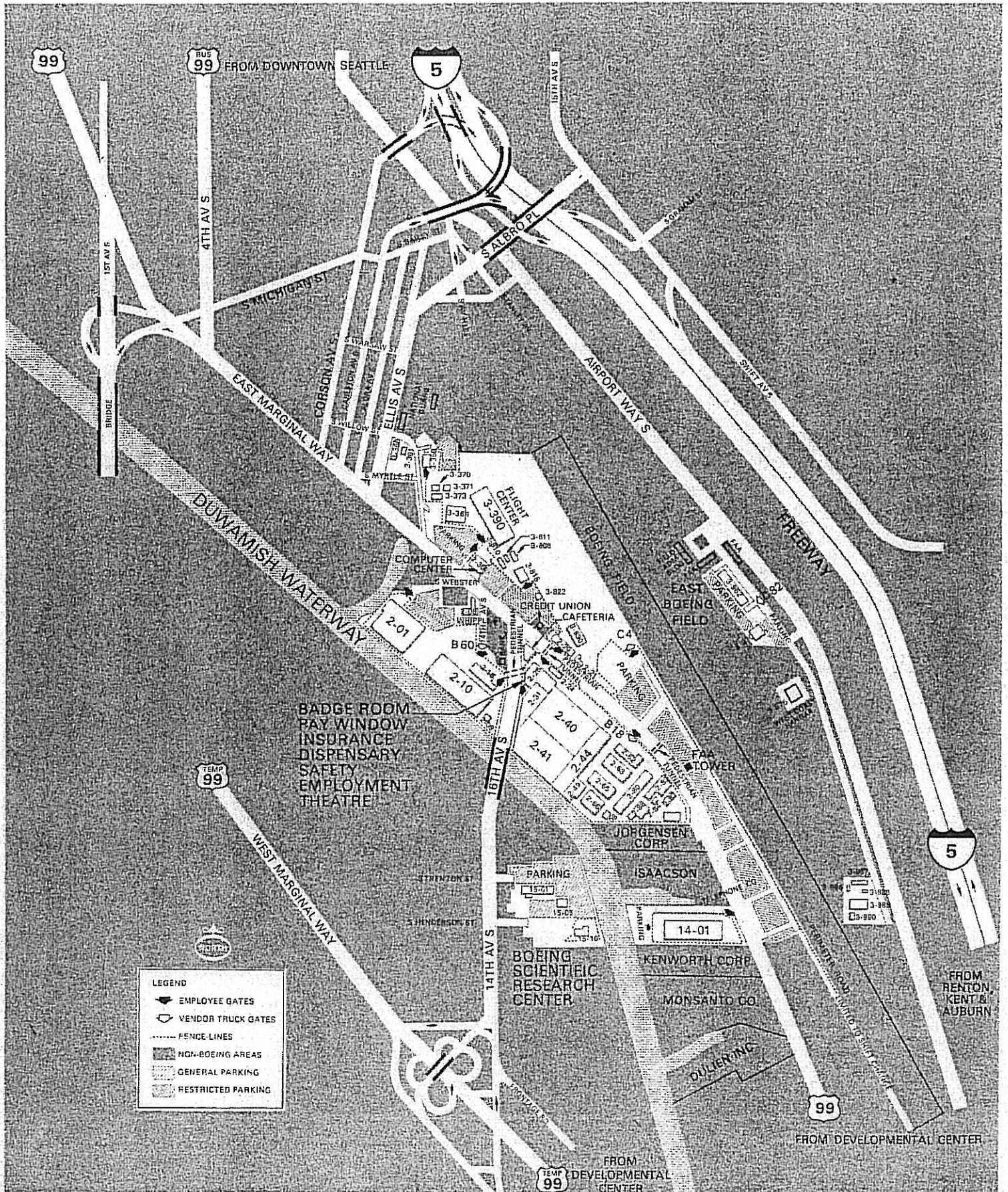
FOR MORE DETAILED INFORMATION SEE THE PLANT AREA MANUAL





1970

# Plant 2

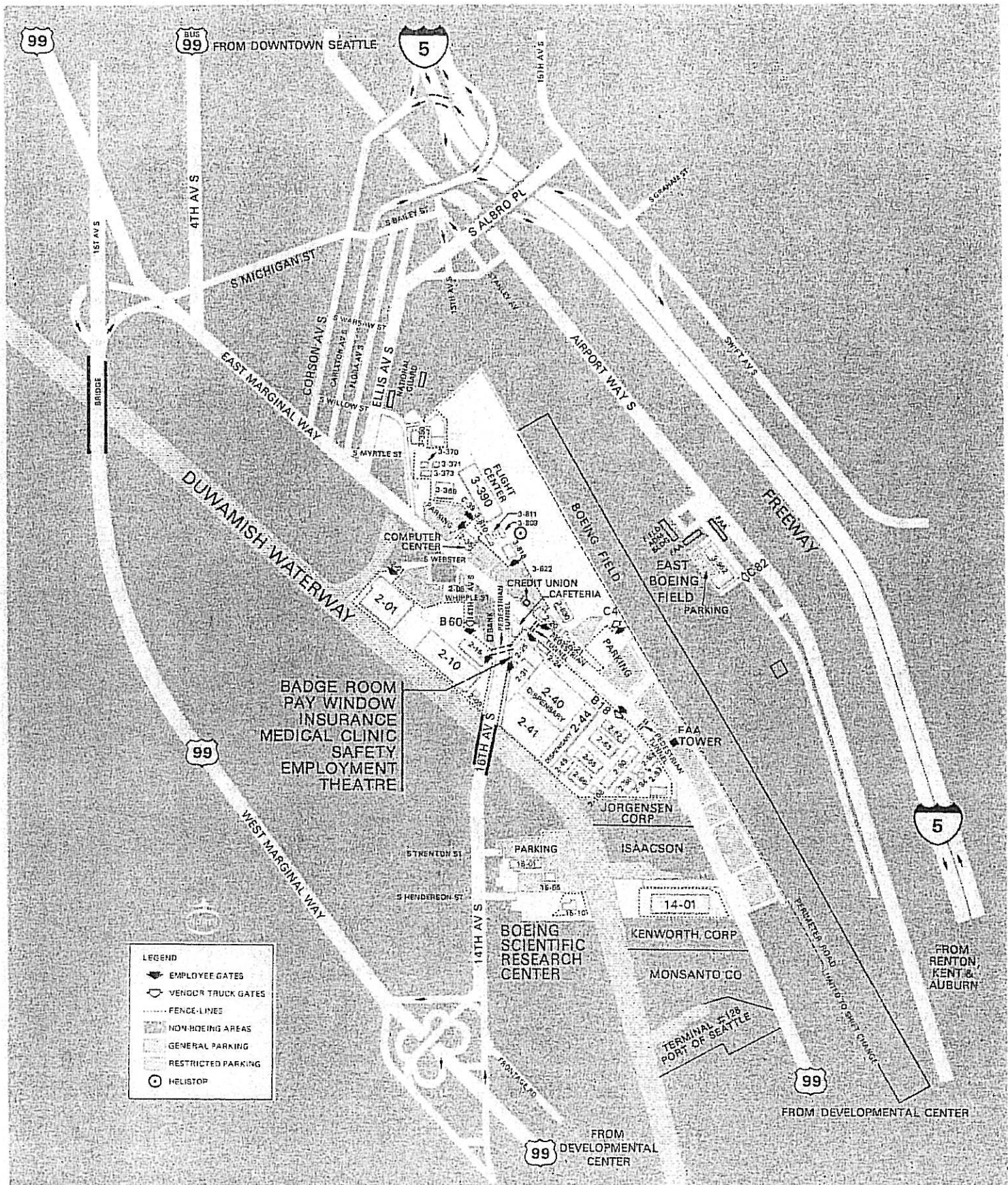




1975

# Plant 2

7755 East Marginal Way So., Seattle, Wash.  
(For mailing address — See page 5)

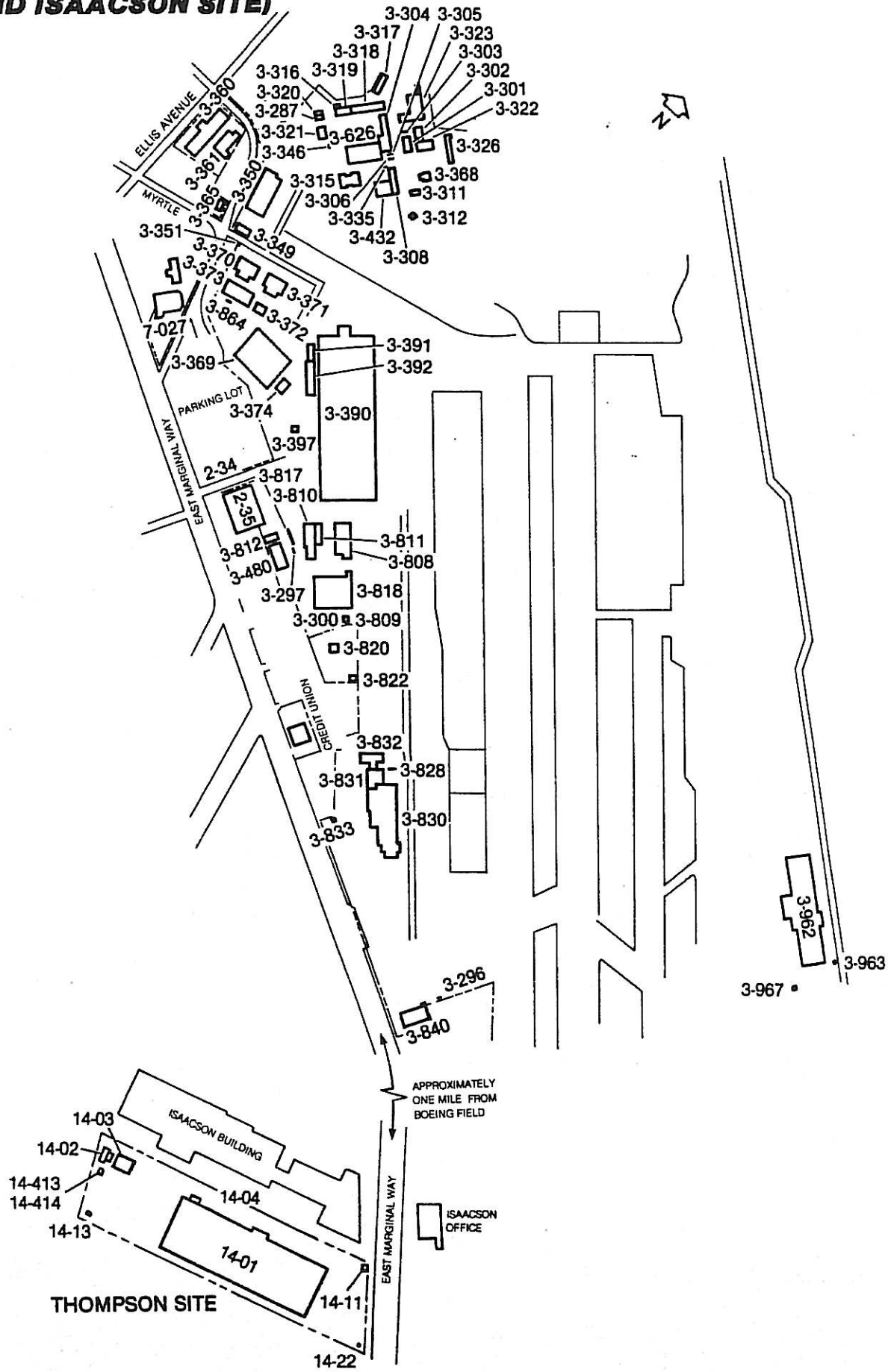


LEGEND	
	EMPLOYEE GATES
	VENDOR TRUCK GATES
	FENCE LINES
	NON-BOEING AREAS
	GENERAL PARKING
	RESTRICTED PARKING
	HELISTOP





# BOEING FIELD (INCLUDING THOMPSON SITE AND ISAACSON SITE)



## Statistics/Boeing Field (including Thompson Site)

BUILDING CODE	BUILDING TITLE	SQ. FEET	TOTAL BLDG. SQ. FEET	BUILDING CODE	BUILDING TITLE	SQ. FEET	TOTAL BLDG. SQ. FEET
2-34	Guard House (Gate C-39)		33	3-372	Manufacturing Building		4,200
2-35	Computer Building		71,394	3-373	Machine Shop		12,364
	First Floor	34,446		3-374	Boiler House		4,526
	Second Floor	34,446		3-390	Flight Test Hangar		225,139
	Third Floor	2,502		3-391	Office Building		4,608
3-287	Hydraulics Lab Building		1,025		First Floor	2,304	
3-296	Guard House (Gate C-4)		49		Second Floor	2,304	
3-297	Tool Room Building		288	3-392	Office Building		12,800
3-300	Storage		600		First Floor	6,400	
3-301	Shop Building		5,815		Second Floor	6,400	
3-302	Air Compressor Facility		2,520	3-397	Pump House and Tanks		1,190
3-303	Tool Room		782	3-404	Trailer Instrumentation		432
3-304	Pneumatic and Fuel Calibration Lab		9,200	3-409	Trailer SSD Supply		504
3-305	Electrical Equipment Building		472	3-410	Trailer Office		475
3-306	Rest Rooms		585	3-412	Trailer BCAC Training		520
3-308	Jet Tunnel Lab		3,456	3-425	Trailer Office		510
3-311	Tooling Repair		1,650	3-426	Trailer Office		510
	First Floor	1,100		3-432/			
	Second Floor	550		3-437	Trailer Office Complex		4,950
3-312	Office Building		1,087	3-438/			
3-315	Nozzle Test		6,078	3-446	Trailer Flight Test Stores Complex		4,560
3-316	Reverberation Building		450	3-465/			
3-317	Three-Sided Storage Shed		*	3-466	Trailer Office Complex		1,017
3-318	Tank Test Lab		5,499	3-467	Flight Test Storage		516
3-319	Acoustics Test Building		5,040	3-470	BMA Physical Fitness		666
3-320	Storage Building		861	3-471/			
3-321	Fuel Slosh Lab		2,604	3-480	Trailer Office Complex		6,950
3-322	Hazardous Test Lab		4,121	3-626	Mechanical Lab Test Building		13,120
3-323	Propulsion Airflow Storage		9,761	3-798	Theodolite Station		1,208
3-326	Acoustic Lab		1,056	3-799	2207 South Eddy		1,442
3-335	Flammable Storage		*	3-808	Delivery Center		19,642
3-346	Fuel Control House		280		First Floor	9,821	
3-349	Food Plaza		2,280		Second Floor	9,821	
3-350	Hangar No. 1		28,280	3-809	Dispatch Building		750
3-351	Guard House		126	3-810	Plant Services		10,350
3-360	Operations Tech Material		21,390	3-811	Office and Lab		4,200
3-361	Operations Tech Material		8,159	3-817	Three Sided Storage Shed		*
3-365	Oxygen Equipment (Maintenance)		1,524	3-818	Quick Change Building		60,548
3-368	Wind Tunnel Control House		4,690		First Floor	29,569	
	First Floor	2,320			Second Floor	30,979	
	Second Floor	2,370		3-822	Fuel Control Building		1,276
3-369	Multipurpose Hangar (Paint)		50,560	3-823	Lobby		345
	First Floor	45,600		3-828	Three-Sided Storage Shed		*
	East-West Balconies (Mech. Equip. Area)	4,960		3-830	Electronics Building		69,479
3-370	Hangar No. 2		22,968		First Floor	47,879	
	First Floor	12,496			Second Floor	7,944	
	Second Floor	10,472			Third Floor	13,656	
3-371	Hangar No. 3		21,458	3-831	PCA Store		6,950
	First Floor	11,741		3-832	Office Building		10,423
	Second Floor	9,717			First Floor	6,285	
					Second Floor	4,138	
				3-833	Guard House		49

# Statistics/Boeing Field (including Thompson Site)

BUILDING CODE	BUILDING TITLE	SQ. FEET	TOTAL BLDG. SQ. FEET	BUILDING CODE	BUILDING TITLE	SQ. FEET	TOTAL BLDG. SQ. FEET
3-840	Fire Station		11,200	<b>Thompson Site</b>			
	First Floor	9,100		<del>14-01</del>	<del>14-01 Building</del>		<del>319,620</del>
	Second Floor	2,100			First Floor	221,088	
3-858	Pump House		120		Second Floor	32,844	
3-864	N. C. Repair Shop		720		Third Floor	32,844	
7-27	Plant Services		15,492		Fourth Floor	32,844	
3-959	Storage Building		492	14-02	Boiler House		3,000
3-962	Electronics Manufacturing Building		103,532	14-03	14-03 Building		5,158
	First Floor	78,753			First Floor	2,579	
	Second Floor	24,779			Second Floor	2,579	
3-963	Guardhouse			14-04	Cafeteria		2,280
3-967	Acid Storage Building			14-11	Guardhouse		170
				14-13	Pump House		375
				14-22	Substation		675
				14-413	Trailer		672
				14-414	Trailer		672
	<b>GRAND TOTAL</b>		<b>914,252</b>		<b>GRAND TOTAL</b>		<b>332,622</b>



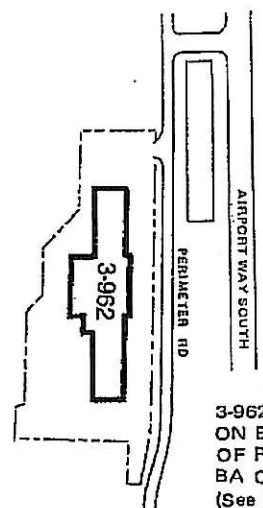
BOEING  
COMMERCIAL AIRPLANES  
**BOEING FIELD**  
SEATTLE, WA



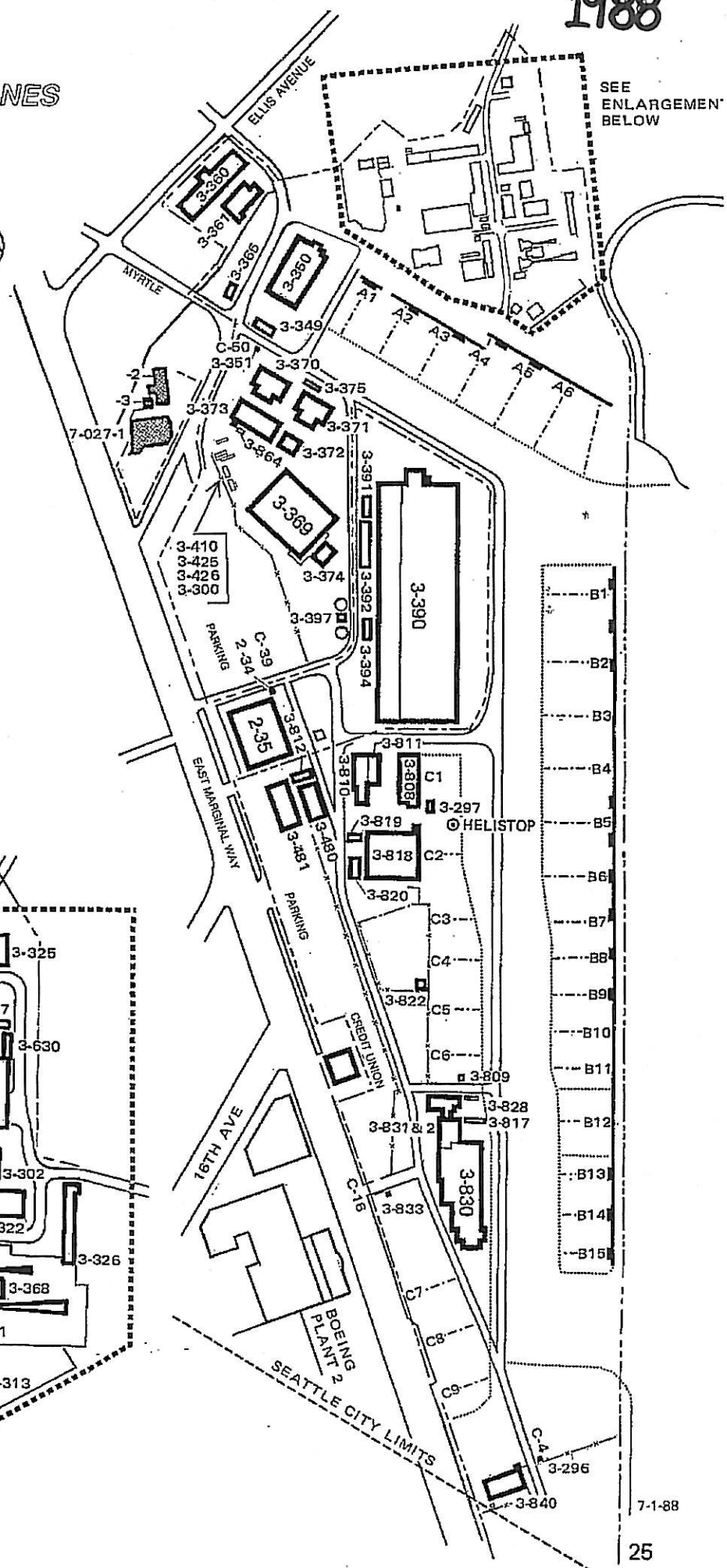
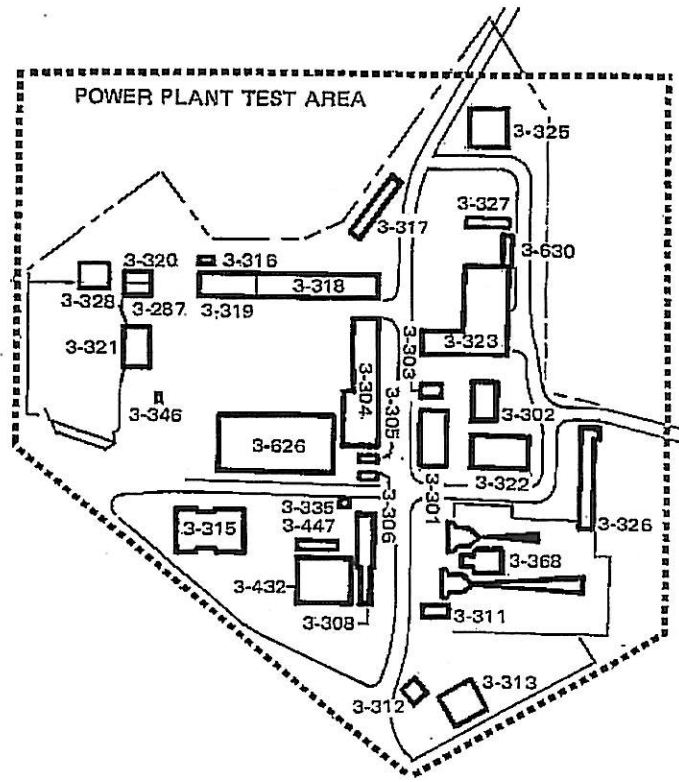
SCALE  
RUNWAY LENGTH 10,000'  
16.1 ACRES OWNED  
132.1 ACRES LEASED



SEE ENLARGEMENT BELOW



3-962 BUILDING  
ON EAST SIDE  
OF FIELD  
BA CUSTODIAN  
(See Plant 2 Statistics)



**Boeing Field/Statistics**

BUILDING CODE	BUILDING TITLE	SQ. FEET	TOTAL BLDG. SQ. FEET	BUILDING CODE	BUILDING TITLE	SQ. FEET	TOTAL BLDG. SQ. FEET
2-34	Guard House (Gate C-39)		33	3-394	Trailer Complex—Stores		5,200
2-35	Computer Building		71,394	3-397	Pump House and Tanks		1,190
	First Floor	34,446		3-404	Trailer, Instrumentation		432
	Second Floor	34,446		3-409	Trailer, SSD Supply		504
	Third Floor	2,502		3-412	Trailer, BCA Training		820
3-287	Hydraulics Lab Building		1,025	3-425	Trailer, Office		510
3-296	Guard House (Gate C-4)		49	3-426	Trailer, Office		510
3-297	Transient Office		288	3-432/437	Trailer, Office Complex		4,950
3-300	Storage		600	3-438/446	Stores		4,560
3-301	Shop Building		5,815	3-447	Trailer, Office		720
3-302	Air Compressor Facility		2,520	3-465/466	Trailer, Office Complex		1,017
3-303	Tool Room		782	3-467	Flight Test Storage		516
3-304	Pneumatic and Fuel Calibration Lab		9,200	3-470	BMA Physical Fitness		666
3-305	Electrical Equipment Building		472	3-471/480	Trailer, Office Complex		6,950
3-306	Restrooms		585	3-481	Trailer, Office Complex		10,800
3-308	Jet Tunnel Lab		3,456	3-626	Mechanical Lab Test Building		13,120
3-311	Tooling Repair		1,650	3-798	Theodolite Station		1,208
	First Floor	1,100		3-808	Delivery Center		19,642
	Second Floor	550			First Floor	9,821	
3-312	Office Building		1,087		Second Floor	9,821	
3-313	Regulated Waste Staging		7,595	3-809	Dispatch Building		750
3-315	Nozzle Test		6,078	3-810	Paint Booth and Stores		10,350
3-316	Reverberation Building		450	3-811	Office		4,200
3-317	Three-Sided Storage Shed		-	3-812	Food Plaza		2,280
3-318	Tank Test Lab		5,499	3-817	Three-Sided Storage Shed		-
3-319	Acoustics Test Building		5,040	3-818	Quickchange Building		19,642
3-320	Storage Building		861		First Floor	9,821	
3-321	Fuel Slosh Lab		2,604		Second Floor	9,821	
3-322	Hazardous Test Lab		4,121	3-819	Trailer, Life Support		1,176
3-323	Propulsion Airflow Storage		9,761	3-820	Trailer, Office		2,520
3-325	Trailer, Office		7,920	3-822	Fuel Control Building		1,276
3-326	Acoustic Lab		1,056	3-828	Three-Sided Storage Shed		-
3-327	Trailer, Office		672	3-830	Electronics Building		69,479
3-328	Trailer, Office		800		First Floor	47,879	
3-335	Flammable Storage		-		Second Floor	7,944	
3-346	Fuel Control House		280		Third Floor	13,656	
3-349	Food Plaza		2,280	3-831	PCA Stores		6,950
3-350	Hangar No. 1		28,280	3-832	Office Building		10,423
3-351	Guard House (Gate C-50)		126		First Floor	6,285	
3-360	Operations Tech Material		21,390		Second Floor	4,138	
3-361	Operations Tech Material		8,159	3-833	Guard House (Gate C-16)		49
3-365	Oxygen Equipment (Maintenance)		1,524	3-840	Fire Station		11,200
3-368	Wind Tunnel Control House		4,690		First Floor	9,100	
	First Floor	2,320			Second Floor	2,100	
	Second Floor	2,320		3-858	Pump House		120
3-369	Multipurpose Hangar (Paint)		50,560	3-864	N.C. Repair Shop		720
	First Floor	45,600					
	East/West Balcony (Mechanical Equipment Area)	4,960					
3-370	Hangar No. 2		22,968				
	First Floor	12,496					
	Second Floor	10,472					
3-371	Hangar No. 3		21,458				
	First Floor	11,741					
	Second Floor	9,717					
3-372	Manufacturing Building		4,200				
3-373	Machine Shop		12,364				
3-374	Boiler House		4,526				
3-375	Office Trailer Complex		2,772				
3-390	Flight Test Hangar		225,139				
3-391	Office Building		4,608				
	First Floor	2,304					
	Second Floor	2,304					
3-392	Office Building		12,800				
	First Floor	6,400					
	Second Floor	6,400					
					GRAND TOTAL		774,345

1993

BOEING COMMERCIAL AIRPLANE GROUP

**BOEING FIELD  
SEATTLE, WA**

RUNWAY LENGTHS 10,000 AND 3,300 FEET  
16.17 ACRES OWNED  
132.1 ACRES LEASED



7-25

SEE ENLARGEMENT (PAGE 22)

**POWER PLANT TEST CENTER**

**BOEING FLIGHT TEST & OPERATIONS**

**NORTHEAST BOEING FIELD**

**BOEING FIELD TERMINAL**

**NORTH DUWAMISH CAMPUS**

**BOEING PLANT 2**

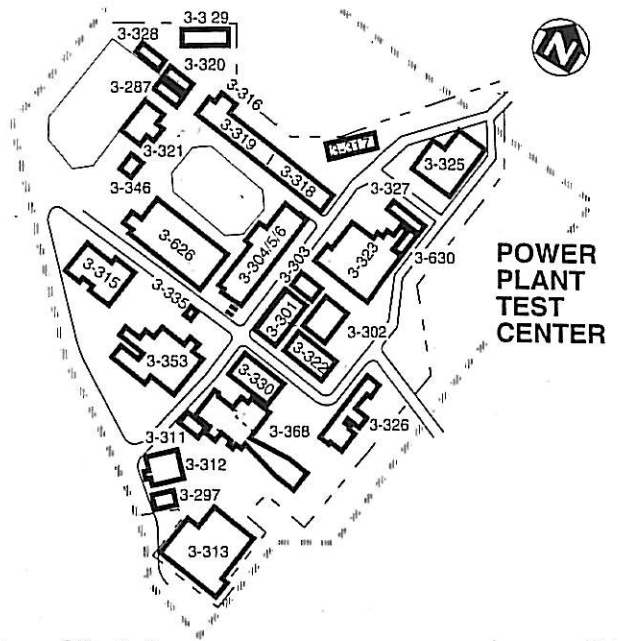
**KING CO. FIRE STATION**

**FAA TOWER**

**Note:**  
3-961 and 3-962 buildings on east side of field are BD&SG custodian (See Developmental Center statistics, page 10)

# Boeing Field / Statistics

BUILDING CODE	BUILDING TITLE	SQ FEET	TOTAL BLDG SQ FEET
2-34	Guardhouse — Gate C-39		31
2-35	Office Building (Planned Demolition 1993)		70,331
	First Floor	33,856	
	Second Floor	33,971	
	Third Floor	2,504	
3-100 thru			
3-129	Field Shelters		9,117
3-287	Hydraulics Laboratory Building		949
3-296	Guardhouse — Gate C-4		42
3-297	Regulated Materials Office		262
3-300	Storage		555
3-301	Shop Building		5,270
3-302	Air Compressor Facility		2,557
3-303	Tool Room		1,261
3-304	Pneumatic and Fuel Calibration Laboratory		8,492
3-305	Electrical Equipment Building		436
3-306	Restrooms		443
3-310	Fuel Apron Control Room		505
3-311	Tooling Repair		1,560
	First Floor	1,044	
	Second Floor	516	
3-312	Office Building		998
3-313	Regulated Materials Staging		8,183
3-315	Nozzle Test		5,771
3-316	Reverberation Building		431
3-317	Storage Building		2,048
3-318	Tank Test Laboratory		5,139
3-319	Acoustics Test Building		4,859
3-320	Storage Building		858
3-321	Fuel Slosh Laboratory		2,826
3-322	Hazardous Test Laboratory		3,871
3-323	Propulsion Airflow Storage		10,367
3-325	Trailer, Office		7,824
3-326	Acoustics Laboratory		4,031
3-328	Trailer, Office		808
3-329	Storage Shed		2,219
3-346	Fuel Control House		247
3-350	Hangar No 1		28,400
3-353	Inlet Development Building		10,261
3-354	Flight Test Storage		2,335
3-360	Operations Technical Material		20,968
3-365	Oxygen Equipment (Maintenance)		1,360
3-368	Wind Tunnel Control House		4,398
	First Floor	2,169	
	Second Floor	2,229	
3-369	Multipurpose Hangar (Paint)		59,692
	First Floor	46,116	
	East/West Balcony	3,512	
	Third Floor	3,513	
	Mezzanine	6,551	
3-374	Boiler House		4,405
3-380	Two Place Hangar		125,833
	First Floor	73,211	
	Second Floor	26,037	
	Third Floor	26,585	
3-390	Flight Test Hangar		220,310
3-391	Office Building		4,859
	First Floor	2,433	
	Second Floor	2,426	
3-392	Office Building		12,530
	First Floor	6,226	
	Second Floor	6,264	
3-397	Pump House and Tanks		1,158
3-412	Trailer, Office		936
3-447	Maintenance Dispatch		653
3-466	Trailer, Transient Operations		472
3-470	Showers		605



3-490	Office trailer		13,514
3-626	Mechanical Laboratory Test Building		13,304
3-630	Theodolite station		728
3-798	Theodolite station		1,135
3-800	Office Building		174,897
	First Floor	32,620	
	Second Floor	31,036	
	Third Floor	31,086	
	Fourth Floor	31,038	
	Fifth Floor	31,037	
	Sixth Floor	18,080	
3-801	Office Building		(90,821)*
3-817	Three-Sided Storage Shed		—
3-818	Quickchange Building		58,873
	First Floor	28,844	
	Second Floor	30,029	
3-819	Trailer, Office		1,593
3-820	Trailer, Office		2,509
3-822	Fuel Control Building		1,202
3-825	Facilities Office		15,753
3-826	Generator Building		336
3-828	Three-Sided Storage Shed		—
3-829	Three-Sided Storage Shed		—
3-830	Electronics Building		67,638
	First Floor	48,014	
	Second Floor	8,876	
	Third Floor	10,748	
3-831	PCA Stores		5,991
3-832	Office Building		9,892
	First Floor	5,891	
	Second Floor	4,001	
3-833	Guardhouse — Gate C-16		31
3-835	Flammable Liquid Storage (3 sided shed)		—
3-840	Fire Station		10,944
	First Floor	9,043	
	Second Floor	1,901	
3-841	Wash Stall Support		234
3-858	Pump House		106

**SITE TOTAL** 1,041,286\*

## Boeing Field Leases

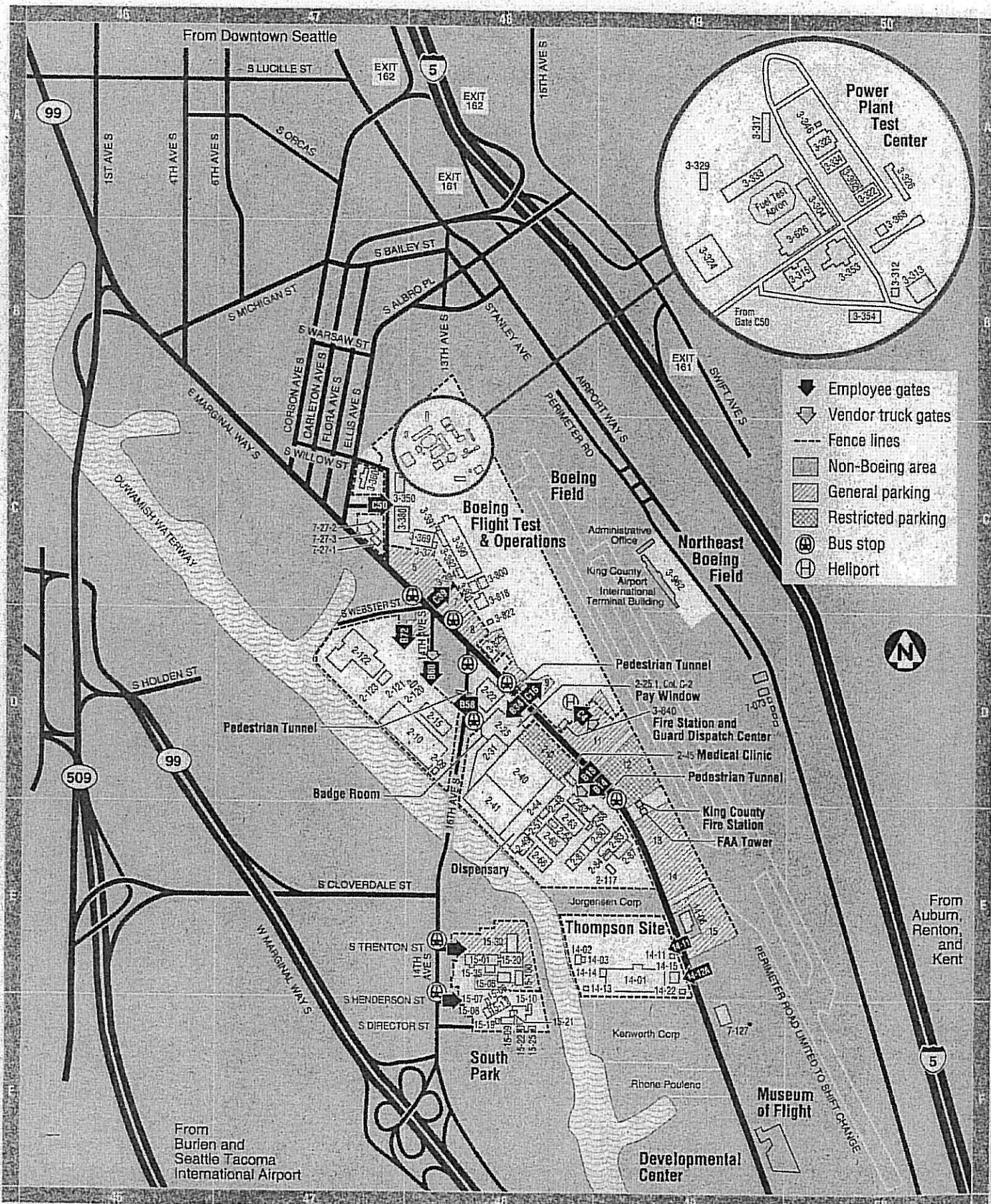
Onsite Leased Trailers — 19,828 sq ft  
 Ellis Avenue Lease 7-25 — 34,560 sq ft  
 Markov Lease 7-27 — 15,668 sq ft  
 King County Airport Office 7-127 — 72,622 sq ft

**Note:** \* 3-801 when completed in second quarter 1993 will add 90,821 sq ft to Boeing Field total.



# Washington – Plant 2 and Boeing Field

7755 East Marginal Way South, Seattle, WA 98108



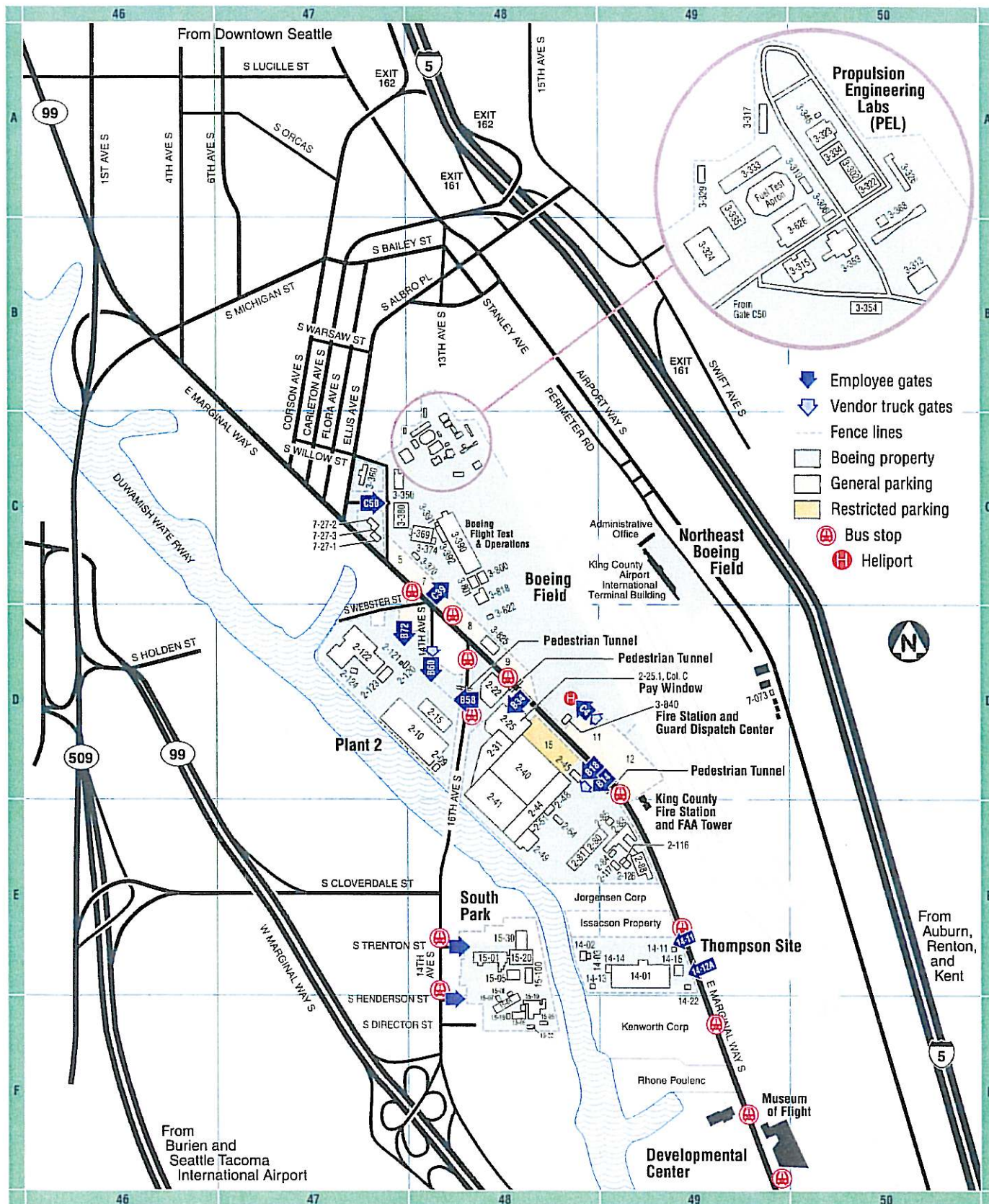






# Washington – Plant 2/Boeing Field

7755 East Marginal Way South, Seattle, WA 98108





### North Boeing Field Building List - 2008

<u>3-100.1</u>	3-100	Stall A-1	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-101.1</u>	3-101	Stall A-2	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-102.1</u>	3-102	Stall A-3	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-103.1</u>	3-103	Stall A-4	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-104.1</u>	3-104	Stall A-5	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-105.1</u>	3-105	Stall A-6	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-106.1</u>	3-106	Stall B-1	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-107.1</u>	3-107	Stall B-2	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-108.1</u>	3-108	Stall B-3	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-109.1</u>	3-109	Stall B-4	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-110.1</u>	3-110	PSM	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-111.1</u>	3-111	Stall C-4	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-112.1</u>	3-112	Stall B-5	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-113.1</u>	3-113	Stall B-6	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-114.1</u>	3-114	Stall B-7	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-115.1</u>	3-115	Stall B-8	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-116.1</u>	3-116	Stall B-9	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-117.1</u>	3-117	Stall B-10	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-118.1</u>	3-118	Stall B-11	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-119.1</u>	3-119	Stall B-12	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-120.1</u>	3-120	Stall C-7	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-121.1</u>	3-121	Stall C-3	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-122.1</u>	3-122	Stall C-6	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-123.1</u>	3-123	Stall C-5	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-124.1</u>	3-124	Stall C-13	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-125.1</u>	3-125	Stall C-6	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-126.1</u>	3-126	Stall A-6	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-127.1</u>	3-127	Stall B-1.5	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-128.1</u>	3-128	Stall B-2.5	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-129.1</u>	3-129	Stall B-3.5	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-130.1</u>	3-130	Stall B-4.5	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own



<u>3-132.1</u>	3-132	Stall B-13	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-133.1</u>	3-133	Stall C-14	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-134.1</u>	3-134	Stall C-8	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-135.1</u>	3-135	Stall C-9	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-136.1</u>	3-136	Stall C-10	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-137.1</u>	3-137	Stall C-11	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-138.1</u>	3-138	Stall C-12	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-296.1</u>	3-296	Gate C-4	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-302.1</u>	3-302	Storage	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-306.1</u>	3-306	Restrooms	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-309.1</u>	3-309	400Hz Motor Generators	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-310.1</u>	3-310	Fuel Control Room	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-313.1</u>	3-313	Regulated Waste Storage	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-314.1</u>	3-314	400 MHz transformer	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-315.1</u>	3-315	Nozzle Test Facility	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-315.M1</u>	3-315	Nozzle Test Facility	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-317.1</u>	3-317	Storage Shed	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-322.1</u>	3-322	Hazardous Test Lab	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-323.1</u>	3-323	Rapid Prototyping Lab	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-324.1</u>	3-324	Engineering	7500 E Marginal Way S, Seattle	98108-3546	BCA-CAS	Own
<u>3-324.2</u>	3-324	Engineering	7500 E Marginal Way S, Seattle	98108-3546	BCA-CAS	Own
<u>3-326.1</u>	3-326	Pneumatic & Calibration Lab	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-329.1</u>	3-329	Storage Shed	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-331.1</u>	3-331	Pump house	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-332.1</u>	3-332	PEL Pump House	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-333.1</u>	3-333	Fuel Test Facility	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-333.2</u>	3-333	Fuel Test Facility	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-334.1</u>	3-334	Air Compressor Facility	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-335.1</u>	3-335	Fuel Test Facility	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-342.1</u>	3-342	Portable HazMat Storage	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-343.1</u>	3-343	Portable HazMat Storage	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-350.1</u>	3-350	Hangar - Chase Plane	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-350.2</u>	3-350	Hangar - Chase Plane	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-351.1</u>	3-351	Jack Test Facility	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own

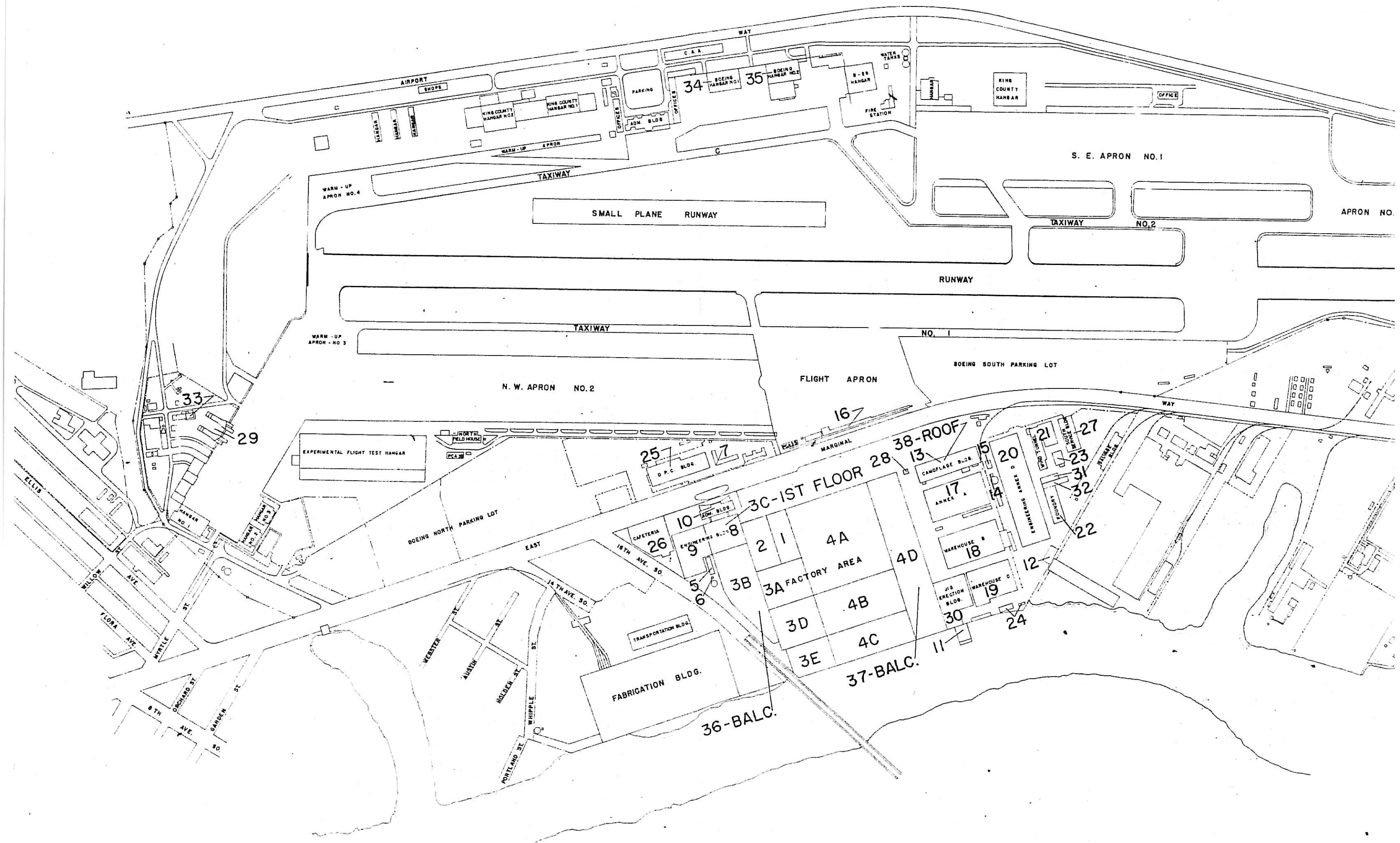


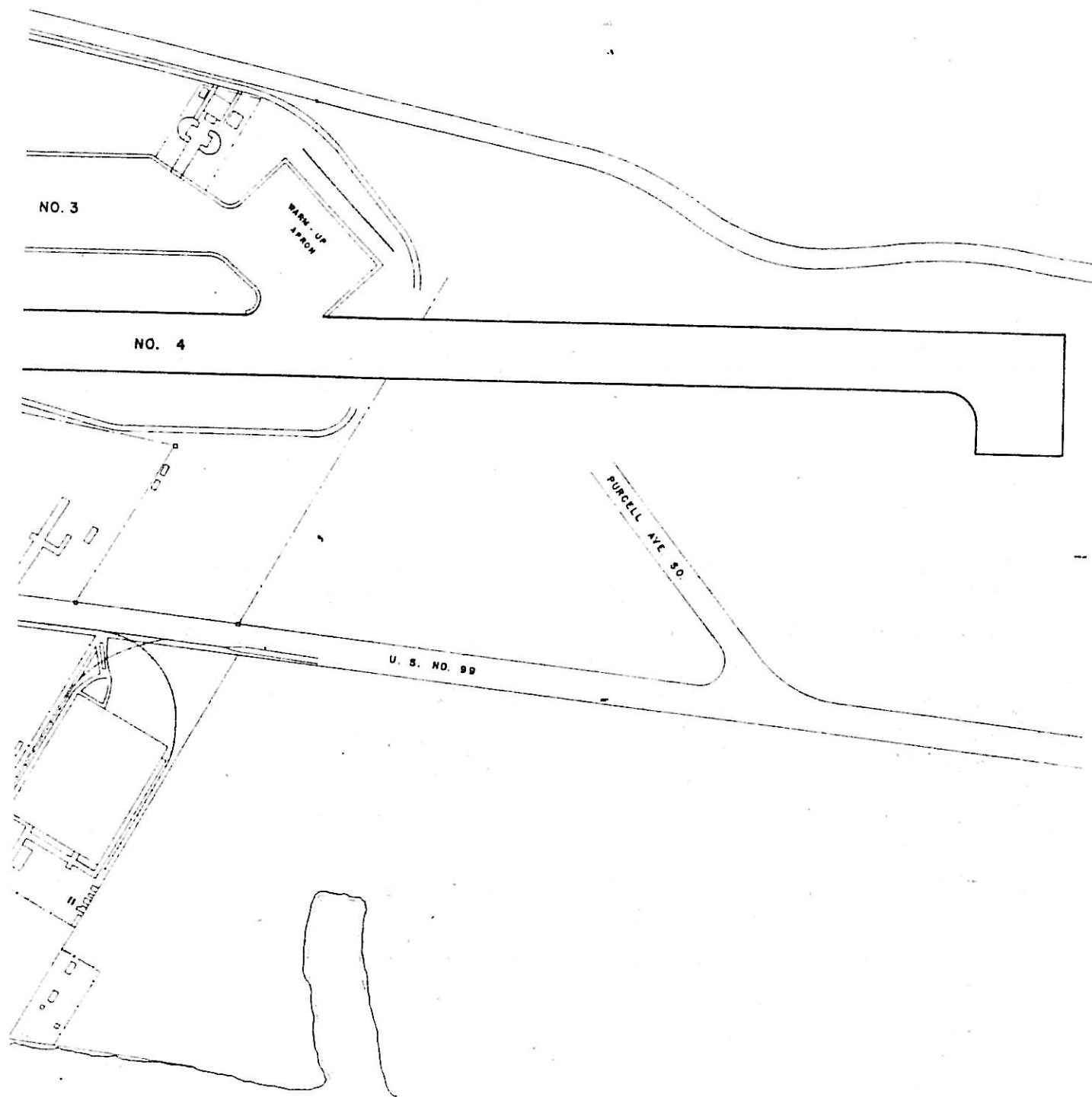
<u>3-352.1</u>	3-352	Weld Shop	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-353.1</u>	3-353	Parts storage	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-353.M1</u>	3-353	Parts storage	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-354.1</u>	3-354	Facilities Hydraulics	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-355.1</u>	3-355	Steam Clean Building	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-356.1</u>	3-356	Barrel Storage	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-357.1</u>	3-357	Hydraulic Shop Storage Shed	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-364.1</u>	3-364	Gate C-50	1020 S Myrtle St, Seattle	98108	BCA-	Own
<u>3-365.1</u>	3-365	Carpenter/paint shop	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-367.1</u>	3-367	Waste Storage Building	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-368.1</u>	3-368	Wind Tunnel Control House	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-368.2</u>	3-368	Wind Tunnel Control House	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-369.B1</u>	3-369	Paint Hangar	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-369.1</u>	3-369	Paint Hangar	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-369.2</u>	3-369	Paint Hangar	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-369.3</u>	3-369	Paint Hangar	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-369.4</u>	3-369	Paint Hangar	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-370.1</u>	3-370	Composit Repair	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-374.1</u>	3-374	Boiler House	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-379.1</u>	3-379	400 Hz Power Bldg	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-380.B1</u>	3-380	Paint Hangar	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-380.1</u>	3-380	Paint Hangar	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-380.M1</u>	3-380	Paint Hangar	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-380.2</u>	3-380	Paint Hangar	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-380.3</u>	3-380	Paint Hangar	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-390.1</u>	3-390	Flight Test Hangar	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-390.P1</u>	3-390	Flight Test Hangar	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-397.1</u>	3-397	Pump house/Tanks	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-626.1</u>	3-626	Test Support Bldg	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-626.2</u>	3-626	Test Support Bldg	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-798.1</u>	3-798	Flt Test Radio Services	7515 Military Rd S, Seattle	98108	BCA-	Own
<u>3-799.1</u>	3-799		7515 Military Rd S, Seattle	98108	IDS-	Own
<u>3-800.1</u>	3-800	Customer Delivery Center	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-800.2</u>	3-800	Customer Delivery Center	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own



<u>3-800.3</u>	3-800	Flight Delivery Center	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-800.4</u>	3-800	Flight Test Engineering	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-800.5</u>	3-800	Flight Test Engineering	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-800.6</u>	3-800	Flight Delivery Center	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-801.1</u>	3-801	Flight Delivery Center	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-801.2</u>	3-801	Flight Delivery Center	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-801.3</u>	3-801	Flight Delivery Center	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-801.4</u>	3-801	Flight Delivery Center	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-801.5</u>	3-801	Flight Delivery Center	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-801.P1</u>	3-801	Flight Delivery Center	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-811.1</u>	3-811	CDC Hangar 1	6771 Perimeter Rd S, Seattle	98108-3814	BCA-	Own
<u>3-812.1</u>	3-812	CDC Hangar 2	6771 Perimeter Rd S, Seattle	98108-3814	BCA-	Own
<u>3-818.1</u>	3-818	Shop	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-818.2</u>	3-818	Shop	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-822.1</u>	3-822	Fuel Control Bldg	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-822.2</u>	3-822	Fuel Control Bldg	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-825.1</u>	3-825		7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-825.2</u>	3-825		7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-826.1</u>	3-826	Flight Line 400Hz Bldg	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-833.1</u>	3-833	Gate C-16	7752 E Marginal Way S, Seattle	98108-4001	BCA-	Own
<u>3-834.1</u>	3-834	Crew Support Building C-5	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-836.1</u>	3-836	Gate C-39	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-840.1</u>	3-840	Fire Station	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-840.2</u>	3-840	Fire Station	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-841.1</u>	3-841	Wash Stall Support	7500 E Marginal Way S, Seattle	98108-3546	BCA-	Own
<u>3-842.1</u>	3-842	Material Handling Operations	7500 E Marginal Way S, Tukwila	98108-3546	BCA-	Own
<u>3-858.1</u>	3-858	Lift Station	7500 E Marginal Way S, Tukwila	98108-3546	BCA-	Own
<u>7-27.1</u>	27-Jul	Markov Building	7300 E Marginal Way, Seattle	98108-3512	BCA-	Lease
<u>7-73.1</u>	Jul-73	Boeing Business Jets	8285 Perimeter Rd S, Seattle	98108-3824	BCA-CAS	Lease
<u>7-73.2</u>	Jul-73	Boeing Business Jets	8285 Perimeter Rd S, Seattle	98108-3824	BCA-CAS	Lease

**Additional 1953 Map Provided by Boeing  
On December 10, 2008**





HISTORICAL REFERENCE CHART  
 PLANT 2 & KING COUNTY AIRPORT BUILDING

NO.	DATE	CHANGES	REVISIONS	BY	APPROVED	DATE
DRAWN BY	DATE	KING COUNTY AIRPORT AND PLANT NO. 2		SCALE	1" = 500'	
CHECKED	11-29-32	BOEING AIRPLANE CO. SEATTLE DIVISION		PROJECT NUM		
CHECKED		PLANT ENGINEERS		WORK ORDER NUM		
CHECKED		SEATTLE, WASH.		DRAWING NUM	117-33B	
APPROVED						
APPROVED						



**Appendix D**  
**North Boeing Field**  
**Propulsion Engineering Lab Area**

**Soil and Groundwater Data**



**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
<b>Area-wide Investigations</b>													
<b>PCB Investigation (2007)</b>													
NBF-SB-032907-01	3/29/2007	1.0	Aroclor 1260	0.070	NA	NA	NA	NA	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-01	3/29/2007	1.0	PCB, total	0.070	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-02	3/29/2007	1.0	Aroclor 1260	0.120	NA	NA	NA	NA	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-02	3/29/2007	1.0	PCB, total	0.120	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-03	3/29/2007	1.0	Aroclor 1254	0.066	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-03	3/29/2007	1.0	PCB, total	0.066	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-07	3/29/2007	1.0	Aroclor 1254	0.051	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-07	3/29/2007	1.0	PCB, total	0.051	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-14	3/29/2007	1.0	Aroclor 1260	0.041	NA	NA	NA	NA	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-14	3/29/2007	1.0	Aroclor 1254	0.070	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-14	3/29/2007	1.0	PCB, total	0.111	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-16	3/29/2007	1.0	Aroclor 1260	0.043	NA	NA	NA	NA	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-16	3/29/2007	1.0	Aroclor 1254	0.150	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-16	3/29/2007	1.0	PCB, total	0.193	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-17	3/29/2007	1.0	Aroclor 1260	0.220	NA	NA	NA	NA	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-17	3/29/2007	1.0	Aroclor 1254	0.800	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-17	3/29/2007	1.0	PCB, total	1.020	0.5	B, Carc	Yes	2.0	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-21	3/29/2007	1.0	Aroclor 1260	0.091	NA	NA	NA	NA	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-21	3/29/2007	1.0	Aroclor 1254	0.220	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-21	3/29/2007	1.0	PCB, total	0.311	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-23	3/29/2007	1.0	Aroclor 1260	0.600	NA	NA	NA	NA	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-23	3/29/2007	1.0	PCB, total	0.600	0.5	B, Carc	Yes	1.2	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-33	3/29/2007	1.0	Aroclor 1254	0.047	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-33	3/29/2007	1.0	PCB, total	0.047	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-34	3/29/2007	1.0	Aroclor 1260	0.550	NA	NA	NA	NA	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-34	3/29/2007	1.0	PCB, total	0.550	0.5	B, Carc	Yes	1.1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Aroclor 1260	22 U	NA	NA	NA	NA	0.065	S	RLE	338	Landau 4/26/07
<b>NBF-SB-032907-36</b>	<b>3/29/2007</b>	<b>5.0</b>	<b>Aroclor 1248</b>	<b>49</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.065</b>	<b>S</b>	<b>Yes</b>	<b>754</b>	<b>Landau 4/26/07</b>
NBF-SB-032907-36	3/29/2007	1.0	Aroclor 1260	0.110	NA	NA	NA	NA	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Diesel Range Hydrocarbons	>140	2000	A	NA	NA	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Heavy Oil Range Hydrocarbons	>290	2000	A	NA	NA	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	1.0	PCB, total	0.110	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Diesel Range Hydrocarbons	970	2000	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Ethylbenzene	3	6	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Heavy Oil Range Hydrocarbons	880	2000	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Toluene	0.11	7	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Xylene, o-	2	9	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Xylene, o-	1.3	9	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Xylenes, m&p-	0.21	9	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Xylenes, total	2.2	9	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Xylenes, total	1.3	9	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Aroclor 1016	22 U	5.6	B, NC	RLE	3.9	0.066	S	RLE	333	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Benzene	0.52 U	0.03	A	RLE	17	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Gasoline Range Hydrocarbons	2500 E	30	A	Yes	83	NA	NA	NA	NA	Landau 4/26/07
<b>NBF-SB-032907-36</b>	<b>3/29/2007</b>	<b>5.0</b>	<b>Aroclor 1254</b>	<b>84</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>53</b>	<b>0.065</b>	<b>S</b>	<b>Yes</b>	<b>1292</b>	<b>Landau 4/26/07</b>
<b>NBF-SB-032907-36</b>	<b>3/29/2007</b>	<b>5.0</b>	<b>PCB, total</b>	<b>133</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>266</b>	<b>0.065</b>	<b>S</b>	<b>Yes</b>	<b>2046</b>	<b>Landau 4/26/07</b>
NBF-SB-032907-36	3/29/2007	5.0	Ethylbenzene	19	6	A	Yes	3.2	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Gasoline Range Hydrocarbons	>58	30	A	Yes	NA	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-032907-36	3/29/2007	5.0	Gasoline Range Hydrocarbons	2900	30	A	Yes	97	NA	NA	NA	NA	Landau 4/26/07
<b>NBF-SB-033007-20</b>	<b>3/30/2007</b>	<b>7.0</b>	<b>Aroclor 1260</b>	<b>0.190</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.065</b>	<b>S</b>	<b>Yes</b>	<b>2.9</b>	<b>Landau 4/26/07</b>

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
NBF-SB-033007-20	3/30/2007	7.0	Aroclor 1254	0.230	1.6	B, NC	No	<1	0.065	S	Yes	3.5	Landau 4/26/07
NBF-SB-033007-20	3/30/2007	7.0	PCB, total	0.420	0.5	B, Carc	No	<1	0.065	S	Yes	6.5	Landau 4/26/07
NBF-SB-033007-20	3/30/2007	6.0	Diesel Range Hydrocarbons	520	2000	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-033007-20	3/30/2007	6.0	Heavy Oil Range Hydrocarbons	780	2000	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-033007-24	3/30/2007	1.0	Aroclor 1254	1.2	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-033007-24	3/30/2007	1.0	PCB, total	1.2	0.5	B, Carc	Yes	2.4	1.3	V	No	<1	Landau 4/26/07
NBF-SB-033007-28	3/30/2007	1.0	Aroclor 1260	0.052	NA	NA	NA	NA	1.3	V	No	<1	Landau 4/26/07
NBF-SB-033007-28	3/30/2007	1.0	Aroclor 1254	0.069	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-033007-28	3/30/2007	1.0	PCB, total	0.121	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-033007-31	3/30/2007	1.0	Aroclor 1260	1.8 U	NA	NA	NA	NA	1.3	V	RLE	1.4	Landau 4/26/07
NBF-SB-033007-31	3/30/2007	5.0	Aroclor 1260	0.24 U	NA	NA	NA	NA	0.065	S	RLE	3.7	Landau 4/26/07
NBF-SB-033007-31	3/30/2007	1.0	Aroclor 1248	17	NA	NA	NA	NA	1.3	V	Yes	13	Landau 4/26/07
NBF-SB-033007-31	3/30/2007	5.0	Aroclor 1248	2.0	NA	NA	NA	NA	0.065	S	Yes	31	Landau 4/26/07
NBF-SB-033007-31	3/30/2007	1.0	Aroclor 1016	1.8 U	5.6	B, NC	No	<1	1.3	V	RLE	1.4	Landau 4/26/07
NBF-SB-033007-31	3/30/2007	5.0	Aroclor 1016	0.24 U	5.6	B, NC	No	<1	0.066	S	RLE	3.6	Landau 4/26/07
NBF-SB-033007-31	3/30/2007	5.0	Aroclor 1254	1.4	1.6	B, NC	No	<1	0.065	S	Yes	22	Landau 4/26/07
NBF-SB-033007-31	3/30/2007	1.0	Aroclor 1254	8.9	1.6	B, NC	Yes	5.6	1.3	V	Yes	6.8	Landau 4/26/07
NBF-SB-033007-31	3/30/2007	5.0	PCB, total	3.4	0.5	B, Carc	Yes	6.8	0.065	S	Yes	52	Landau 4/26/07
NBF-SB-033007-31	3/30/2007	1.0	PCB, total	8.9	0.5	B, Carc	Yes	18	1.3	V	Yes	6.8	Landau 4/26/07
NBF-SB-033007-31	3/30/2007	1.0	PCB, total	17	0.5	B, Carc	Yes	34	1.3	V	Yes	13	Landau 4/26/07
NBF-SB-040207-08	4/2/2007	6.0	Diesel Range Hydrocarbons	>50	2000	A	NA	NA	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-040207-08	4/2/2007	6.0	Gasoline Range Hydrocarbons	>20	30	A	NA	NA	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-040207-08	4/2/2007	6.0	Diesel Range Hydrocarbons	620	2000	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-040207-08	4/2/2007	6.0	Ethylbenzene	1.2	6	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-040207-08	4/2/2007	6.0	Ethylbenzene	0.70	6	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-040207-08	4/2/2007	6.0	Jet Fuel	1200	2000	A, diesel	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-040207-08	4/2/2007	6.0	Toluene	0.28	7	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-040207-08	4/2/2007	6.0	Xylene, o-	0.95	9	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-040207-08	4/2/2007	6.0	Xylene, o-	0.53	9	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-040207-08	4/2/2007	6.0	Xylenes, m&p-	0.24	9	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-040207-08	4/2/2007	6.0	Xylenes, total	1.2	9	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-040207-08	4/2/2007	6.0	Xylenes, total	0.53	9	A	No	<1	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-040207-08	4/2/2007	6.0	Benzene	0.28 U	0.03	A	RLE	9.3	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-040207-08	4/2/2007	6.0	Gasoline Range Hydrocarbons	1700 E	30	A	Yes	57	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-040207-08	4/2/2007	6.0	Gasoline Range Hydrocarbons	1600	30	A	Yes	53	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-040207-22	4/2/2007	1.0	Aroclor 1254	5.2 E	1.6	B, NC	Yes	3.3	1.3	V	Yes	4.0	Landau 4/26/07
NBF-SB-040207-22	4/2/2007	1.0	Aroclor 1254	5.3	1.6	B, NC	Yes	3.3	1.3	V	Yes	4.1	Landau 4/26/07
NBF-SB-040207-22	4/2/2007	1.0	PCB, total	5.3	0.5	B, Carc	Yes	11	1.3	V	Yes	4.1	Landau 4/26/07
NBF-SB-040207-26	4/2/2007	1.0	Aroclor 1260	0.230	NA	NA	NA	NA	1.3	V	No	<1	Landau 4/26/07
NBF-SB-040207-26	4/2/2007	5.0	Aroclor 1221	0.042	NA	NA	NA	NA	NA	NA	NA	NA	Landau 4/26/07
NBF-SB-040207-26	4/2/2007	1.0	PCB, total	0.272	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-040207-30	4/2/2007	1.0	Aroclor 1260	1.8 U	NA	NA	NA	NA	1.3	V	RLE	1.4	Landau 4/26/07
NBF-SB-040207-30	4/2/2007	1.0	Aroclor 1248	12	NA	NA	NA	NA	1.3	V	Yes	9.2	Landau 4/26/07
NBF-SB-040207-30	4/2/2007	1.0	Aroclor 1016	1.8 U	5.6	B, NC	No	<1	1.3	V	RLE	1.4	Landau 4/26/07
NBF-SB-040207-30	4/2/2007	1.0	Aroclor 1254	5.6	1.6	B, NC	Yes	3.5	1.3	V	Yes	4.3	Landau 4/26/07
NBF-SB-040207-30	4/2/2007	1.0	PCB, total	17.6	0.5	B, Carc	Yes	35	1.3	V	Yes	14	Landau 4/26/07
NBF-SB-040207-39	4/2/2007	1.0	Aroclor 1248	0.300	NA	NA	NA	NA	1.3	V	No	<1	Landau 4/26/07
NBF-SB-040207-39	4/2/2007	1.0	Aroclor 1254	0.660	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-040207-39	4/2/2007	1.0	PCB, total	0.960	0.5	B, Carc	Yes	1.9	1.3	V	No	<1	Landau 4/26/07
NBF-SB-040307-12	4/3/2007	1.0	Aroclor 1260	0.065	NA	NA	NA	NA	1.3	V	No	<1	Landau 4/26/07
NBF-SB-040307-12	4/3/2007	1.0	Aroclor 1254	0.160	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 4/26/07
NBF-SB-040307-12	4/3/2007	1.0	PCB, total	0.225	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 4/26/07

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
<b>Storm Drain Replacement (2007)</b>													
NBF-1	6/7/2007	2.75	Aroclor 1260	4.9 U	NA	NA	NA	NA	1.3	V	RLE	3.8	Landau 11/14/07
<b>NBF-1</b>	<b>6/7/2007</b>	<b>2.75</b>	<b>Aroclor 1248</b>	<b>19</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>15</b>	<b>Landau 11/14/07</b>
NBF-1	6/7/2007	2.75	Aroclor 1016	4.9 U	5.6	B, NC	No	<1	1.3	V	RLE	3.8	Landau 11/14/07
<b>NBF-1</b>	<b>6/7/2007</b>	<b>2.75</b>	<b>Aroclor 1254</b>	<b>24</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>15</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>18</b>	<b>Landau 11/14/07</b>
<b>NBF-1</b>	<b>6/7/2007</b>	<b>2.75</b>	<b>PCB, total</b>	<b>43</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>86</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>33</b>	<b>Landau 11/14/07</b>
NBF-2	6/7/2007	2.75	Aroclor 1260	25 U	NA	NA	NA	NA	1.3	V	RLE	19	Landau 11/14/07
<b>NBF-2</b>	<b>6/7/2007</b>	<b>2.75</b>	<b>Aroclor 1248</b>	<b>88</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>68</b>	<b>Landau 11/14/07</b>
NBF-2	6/7/2007	2.75	Aroclor 1016	25 U	5.6	B, NC	RLE	4.5	1.3	V	RLE	19	Landau 11/14/07
<b>NBF-2</b>	<b>6/7/2007</b>	<b>2.75</b>	<b>Aroclor 1254</b>	<b>98</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>61</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>75</b>	<b>Landau 11/14/07</b>
<b>NBF-2</b>	<b>6/7/2007</b>	<b>2.75</b>	<b>PCB, total</b>	<b>186</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>372</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>143</b>	<b>Landau 11/14/07</b>
NBF-3	6/7/2007	1.0	Aroclor 1260	0.11	NA	NA	NA	NA	1.3	V	No	<1	Landau 11/14/07
NBF-3	6/7/2007	1.0	PCB, total	0.11	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 11/14/07
NBF-4	6/7/2007	1.0	Aroclor 1260	0.049	NA	NA	NA	NA	1.3	V	No	<1	Landau 11/14/07
NBF-4	6/7/2007	1.0	PCB, total	0.049	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 11/14/07
NBF-5	6/7/2007	3.0	Aroclor 1260	1.9 U	NA	NA	NA	NA	1.3	V	RLE	1.5	Landau 11/14/07
<b>NBF-5</b>	<b>6/7/2007</b>	<b>3.0</b>	<b>Aroclor 1248</b>	<b>4.3</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>3.3</b>	<b>Landau 11/14/07</b>
NBF-5	6/7/2007	3.0	Aroclor 1016	1.9 U	5.6	B, NC	No	<1	1.3	V	RLE	1.5	Landau 11/14/07
<b>NBF-5</b>	<b>6/7/2007</b>	<b>3.0</b>	<b>Aroclor 1254</b>	<b>4.3</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>2.7</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>3.3</b>	<b>Landau 11/14/07</b>
<b>NBF-5</b>	<b>6/7/2007</b>	<b>1.0</b>	<b>Aroclor 1254</b>	<b>6.5</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>4.1</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>5.0</b>	<b>Landau 11/14/07</b>
<b>NBF-5</b>	<b>6/7/2007</b>	<b>1.0</b>	<b>PCB, total</b>	<b>6.5</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>13</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>5.0</b>	<b>Landau 11/14/07</b>
<b>NBF-5</b>	<b>6/7/2007</b>	<b>3.0</b>	<b>PCB, total</b>	<b>8.6</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>17</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>6.6</b>	<b>Landau 11/14/07</b>
NBF-6	6/8/2007	3.0	Aroclor 1248	11 U	NA	NA	NA	NA	1.3	V	RLE	8.5	Landau 11/14/07
NBF-6	6/8/2007	1.0	Aroclor 1248	22 U	NA	NA	NA	NA	1.3	V	RLE	17	Landau 11/14/07
NBF-6	6/8/2007	3.0	Aroclor 1260	9.5 U	NA	NA	NA	NA	1.3	V	RLE	7.3	Landau 11/14/07
NBF-6	6/8/2007	1.0	Aroclor 1260	22 U	NA	NA	NA	NA	1.3	V	RLE	17	Landau 11/14/07
NBF-6	6/8/2007	3.0	Aroclor 1016	9.5 U	5.6	B, NC	RLE	1.7	1.3	V	RLE	7.3	Landau 11/14/07
NBF-6	6/8/2007	1.0	Aroclor 1016	22 U	5.6	B, NC	RLE	3.9	1.3	V	RLE	17	Landau 11/14/07
<b>NBF-6</b>	<b>6/8/2007</b>	<b>3.0</b>	<b>Aroclor 1254</b>	<b>15</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>9.4</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>12</b>	<b>Landau 11/14/07</b>
<b>NBF-6</b>	<b>6/8/2007</b>	<b>1.0</b>	<b>Aroclor 1254</b>	<b>62</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>39</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>48</b>	<b>Landau 11/14/07</b>
<b>NBF-6</b>	<b>6/8/2007</b>	<b>3.0</b>	<b>PCB, total</b>	<b>15</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>30</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>12</b>	<b>Landau 11/14/07</b>
<b>NBF-6</b>	<b>6/8/2007</b>	<b>1.0</b>	<b>PCB, total</b>	<b>62</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>124</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>48</b>	<b>Landau 11/14/07</b>
NBF-7	6/12/2007	1.0	Aroclor 1248	8.8 U	NA	NA	NA	NA	1.3	V	RLE	6.8	Landau 11/14/07
NBF-7	6/12/2007	1.0	Aroclor 1260	8.8 U	NA	NA	NA	NA	1.3	V	RLE	6.8	Landau 11/14/07
NBF-7	6/12/2007	1.0	Aroclor 1016	8.8 U	5.6	B, NC	RLE	1.6	1.3	V	RLE	6.8	Landau 11/14/07
<b>NBF-7</b>	<b>6/12/2007</b>	<b>3.0</b>	<b>Aroclor 1254</b>	<b>3.5</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>2.2</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>2.7</b>	<b>Landau 11/14/07</b>
<b>NBF-7</b>	<b>6/12/2007</b>	<b>1.0</b>	<b>Aroclor 1254</b>	<b>69</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>43</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>53</b>	<b>Landau 11/14/07</b>
<b>NBF-7</b>	<b>6/12/2007</b>	<b>3.0</b>	<b>PCB, total</b>	<b>3.5</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>7.0</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>2.7</b>	<b>Landau 11/14/07</b>
<b>NBF-7</b>	<b>6/12/2007</b>	<b>1.0</b>	<b>PCB, total</b>	<b>69</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>138</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>53</b>	<b>Landau 11/14/07</b>
NBF-8	6/18/2007	1.0	Aroclor 1248	44 U	NA	NA	NA	NA	1.3	V	RLE	34	Landau 11/14/07
NBF-8	6/18/2007	1.0	Aroclor 1260	44 U	NA	NA	NA	NA	1.3	V	RLE	34	Landau 11/14/07
NBF-8	6/18/2007	3.0	Aroclor 1254	0.31	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 11/14/07
NBF-8	6/18/2007	3.0	PCB, total	0.31	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 11/14/07
NBF-8	6/18/2007	1.0	Aroclor 1016	44 U	5.6	B, NC	RLE	7.9	1.3	V	RLE	34	Landau 11/14/07
<b>NBF-8</b>	<b>6/18/2007</b>	<b>1.0</b>	<b>Aroclor 1254</b>	<b>1100</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>688</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>846</b>	<b>Landau 11/14/07</b>
<b>NBF-8</b>	<b>6/18/2007</b>	<b>1.0</b>	<b>PCB, total</b>	<b>1100</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>2200</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>846</b>	<b>Landau 11/14/07</b>
NBF-10	6/19/2007	4.5	Aroclor 1248	3.6 U	NA	NA	NA	NA	1.3	V	RLE	2.8	Landau 11/14/07
NBF-10	6/19/2007	4.5	Aroclor 1260	3.6 U	NA	NA	NA	NA	1.3	V	RLE	2.8	Landau 11/14/07
NBF-10	6/19/2007	4.5	Aroclor 1016	3.6 U	5.6	B, NC	No	<1	1.3	V	RLE	2.8	Landau 11/14/07
<b>NBF-10</b>	<b>6/19/2007</b>	<b>1.0</b>	<b>Aroclor 1254</b>	<b>1.4</b>	<b>1.6</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>1.1</b>	<b>Landau 11/14/07</b>
<b>NBF-10</b>	<b>6/19/2007</b>	<b>4.5</b>	<b>Aroclor 1254</b>	<b>7.9</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>4.9</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>6.1</b>	<b>Landau 11/14/07</b>
<b>NBF-10</b>	<b>6/19/2007</b>	<b>1.0</b>	<b>PCB, total</b>	<b>1.4</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>2.8</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>1.1</b>	<b>Landau 11/14/07</b>

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
NBF-10	6/19/2007	4.5	PCB, total	7.9	0.5	B, Carc	Yes	16	1.3	V	Yes	6.1	Landau 11/14/07
NBF-11	6/19/2007	4.0	Aroclor 1248	0.16	NA	NA	NA	NA	1.3	V	No	<1	Landau 11/14/07
NBF-11	6/19/2007	4.0	Aroclor 1254	0.13	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 11/14/07
NBF-11	6/19/2007	1.0	Aroclor 1254	0.075	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 11/14/07
NBF-11	6/19/2007	1.0	PCB, total	0.075	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 11/14/07
NBF-11	6/19/2007	4.0	PCB, total	0.29	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 11/14/07
NBF-9	6/19/2007	1.0	Aroclor 1254	0.66	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 11/14/07
NBF-9	6/19/2007	1.0	PCB, total	0.66	0.5	B, Carc	Yes	1.3	1.3	V	No	<1	Landau 11/14/07
NBF-12	7/9/2007	1.0	Aroclor 1260	1.8 U	NA	NA	NA	NA	1.3	V	RLE	1.4	Landau 11/14/07
NBF-12	7/9/2007	1.0	Aroclor 1248	12	NA	NA	NA	NA	1.3	V	Yes	9.2	Landau 11/14/07
NBF-12	7/9/2007	3.0	Aroclor 1248	0.056	NA	NA	NA	NA	1.3	V	No	<1	Landau 11/14/07
NBF-12	7/9/2007	1.0	Aroclor 1016	1.8 U	5.6	B, NC	No	<1	1.3	V	RLE	1.4	Landau 11/14/07
NBF-12	7/9/2007	3.0	PCB, total	0.056	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 11/14/07
NBF-12	7/9/2007	1.0	Aroclor 1254	9.1	1.6	B, NC	Yes	5.7	1.3	V	Yes	7.0	Landau 11/14/07
NBF-12	7/9/2007	1.0	PCB, total	21.1	0.5	B, Carc	Yes	42	1.3	V	Yes	16	Landau 11/14/07
NBF-13	7/9/2007	3.0	Aroclor 1260	9.1 U	NA	NA	NA	NA	1.3	V	RLE	7.0	Landau 11/14/07
NBF-13	7/9/2007	1.0	Aroclor 1260	13 U	NA	NA	NA	NA	1.3	V	RLE	10	Landau 11/14/07
NBF-13	7/9/2007	3.0	Aroclor 1248	35	NA	NA	NA	NA	1.3	V	Yes	27	Landau 11/14/07
NBF-13	7/9/2007	1.0	Aroclor 1248	100	NA	NA	NA	NA	1.3	V	Yes	77	Landau 11/14/07
NBF-13	7/9/2007	3.0	Aroclor 1016	9.1 U	5.6	B, NC	RLE	1.6	1.3	V	RLE	7.0	Landau 11/14/07
NBF-13	7/9/2007	1.0	Aroclor 1016	13 U	5.6	B, NC	RLE	2.3	1.3	V	RLE	10	Landau 11/14/07
NBF-13	7/9/2007	1.0	Aroclor 1254	57	1.6	B, NC	Yes	36	1.3	V	Yes	44	Landau 11/14/07
NBF-13	7/9/2007	3.0	Aroclor 1254	140	1.6	B, NC	Yes	88	1.3	V	Yes	108	Landau 11/14/07
NBF-13	7/9/2007	1.0	PCB, total	157	0.5	B, Carc	Yes	314	1.3	V	Yes	121	Landau 11/14/07
NBF-13	7/9/2007	3.0	PCB, total	175	0.5	B, Carc	Yes	350	1.3	V	Yes	135	Landau 11/14/07
NBF-14	7/9/2007	1.0	Aroclor 1260	1.8 U	NA	NA	NA	NA	1.3	V	RLE	1.4	Landau 11/14/07
NBF-14	7/9/2007	3.0	Aroclor 1260	14 U	NA	NA	NA	NA	1.3	V	RLE	11	Landau 11/14/07
NBF-14	7/9/2007	1.0	Aroclor 1248	8.7	NA	NA	NA	NA	1.3	V	Yes	6.7	Landau 11/14/07
NBF-14	7/9/2007	3.0	Aroclor 1248	40	NA	NA	NA	NA	1.3	V	Yes	31	Landau 11/14/07
NBF-14	7/9/2007	1.0	Aroclor 1016	1.8 U	5.6	B, NC	No	<1	1.3	V	RLE	1.4	Landau 11/14/07
NBF-14	7/9/2007	3.0	Aroclor 1016	14 U	5.6	B, NC	RLE	2.5	1.3	V	RLE	11	Landau 11/14/07
NBF-14	7/9/2007	1.0	Aroclor 1254	6.7	1.6	B, NC	Yes	4.2	1.3	V	Yes	5.2	Landau 11/14/07
NBF-14	7/9/2007	3.0	Aroclor 1254	37	1.6	B, NC	Yes	23	1.3	V	Yes	28	Landau 11/14/07
NBF-14	7/9/2007	1.0	PCB, total	15.4	0.5	B, Carc	Yes	31	1.3	V	Yes	12	Landau 11/14/07
NBF-14	7/9/2007	3.0	PCB, total	77	0.5	B, Carc	Yes	154	1.3	V	Yes	59	Landau 11/14/07
NBF-15	7/9/2007	1.0	Aroclor 1260	5.2 U	NA	NA	NA	NA	1.3	V	RLE	4.0	Landau 11/14/07
NBF-15	7/9/2007	3.0	Aroclor 1260	210 U	NA	NA	NA	NA	1.3	V	RLE	162	Landau 11/14/07
NBF-15	7/9/2007	1.0	Aroclor 1248	14	NA	NA	NA	NA	1.3	V	Yes	11	Landau 11/14/07
NBF-15	7/9/2007	3.0	Aroclor 1248	1800	NA	NA	NA	NA	1.3	V	Yes	1385	Landau 11/14/07
NBF-15	7/9/2007	1.0	Aroclor 1016	5.2 U	5.6	B, NC	No	<1	1.3	V	RLE	4.0	Landau 11/14/07
NBF-15	7/9/2007	3.0	Aroclor 1016	210 U	5.6	B, NC	RLE	38	1.3	V	RLE	162	Landau 11/14/07
NBF-15	7/9/2007	1.0	Aroclor 1254	10	1.6	B, NC	Yes	6.3	1.3	V	Yes	7.7	Landau 11/14/07
NBF-15	7/9/2007	3.0	Aroclor 1254	880	1.6	B, NC	Yes	550	1.3	V	Yes	677	Landau 11/14/07
NBF-15	7/9/2007	1.0	PCB, total	24	0.5	B, Carc	Yes	48	1.3	V	Yes	18	Landau 11/14/07
NBF-15	7/9/2007	3.0	PCB, total	2680	0.5	B, Carc	Yes	5360	1.3	V	Yes	2062	Landau 11/14/07
NBF-GB1	9/6/2007	2.0	Aroclor 1260	1.3	NA	NA	NA	NA	1.3	V	No	1.0	Landau 11/14/07
NBF-GB1	9/6/2007	2.0	Aroclor 1254	0.59	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 11/14/07
NBF-GB1	9/6/2007	2.0	PCB, total	1.89	0.5	B, Carc	Yes	3.8	1.3	V	Yes	1.5	Landau 11/14/07
NBF-GB2	9/6/2007	6.0	Aroclor 1248	49 UJ	NA	NA	NA	NA	1.3	V	RLE	38	Landau 11/14/07
NBF-GB2	9/6/2007	6.0	Aroclor 1260	49 UJ	NA	NA	NA	NA	1.3	V	RLE	38	Landau 11/14/07
NBF-GB2	9/6/2007	6.0	Aroclor 1016	49 UJ	5.6	B, NC	RLE	8.8	1.3	V	RLE	38	Landau 11/14/07
NBF-GB2	9/6/2007	6.0	Aroclor 1254	49 UJ	1.6	B, NC	RLE	31	1.3	V	RLE	38	Landau 11/14/07

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
NBF-GB2	9/6/2007	6.0	PCB, total	49 UJ	0.5	B, Carc	RLE	98	1.3	V	RLE	38	Landau 11/14/07
NBF-GB3	9/6/2007	2.0	Aroclor 1248	0.24	NA	NA	NA	NA	1.3	V	No	<1	Landau 11/14/07
NBF-GB3	9/6/2007	2.0	Aroclor 1254	0.3	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 11/14/07
NBF-GB3	9/6/2007	2.0	PCB, total	0.54	0.5	B, Carc	Yes	1.1	1.3	V	No	<1	Landau 11/14/07
NBF-GB4	9/10/2007	6.0	Aroclor 1254	0.046	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 11/14/07
NBF-GB4	9/10/2007	6.0	PCB, total	0.046	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 11/14/07
NBF-GB4	9/10/2007	6.0	Diesel Range Hydrocarbons	16	2000	A	No	<1	NA	NA	NA	NA	Landau 11/14/07
NBF-GB4	9/10/2007	6.0	Heavy Oil Range Hydrocarbons	54	2000	A	No	<1	NA	NA	NA	NA	Landau 11/14/07
NBF-GB5	9/12/2007	7.0	Diesel Range Hydrocarbons	11	2000	A	No	<1	NA	NA	NA	NA	Landau 11/14/07
NBF-GB5	9/12/2007	7.0	Gasoline Range Hydrocarbons	12	30	A	No	<1	NA	NA	NA	NA	Landau 11/14/07
NBF-GB5	9/12/2007	7.0	Heavy Oil Range Hydrocarbons	26	2000	A	No	<1	NA	NA	NA	NA	Landau 11/14/07
<b>Potential PCB Sources to Slip 4 Study (2008)</b>													
NBF08-13-1-2	9/18/2008	1.0	Aroclor 1260	1.8 U	NA	NA	NA	NA	1.3	V	RLE	1.4	Landau 10/31/08
<b>NBF08-13-1-2</b>	<b>9/18/2008</b>	<b>1.0</b>	<b>Aroclor 1248</b>	<b>630</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>485</b>	<b>Landau 10/31/08</b>
NBF08-13-1-2	9/18/2008	1.0	Aroclor 1016	1.8 U	5.6	B, NC	No	<1	1.3	V	RLE	1.4	Landau 10/31/08
<b>NBF08-13-1-2</b>	<b>9/18/2008</b>	<b>1.0</b>	<b>Aroclor 1254</b>	<b>250</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>156</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>192</b>	<b>Landau 10/31/08</b>
<b>NBF08-13-1-2</b>	<b>9/18/2008</b>	<b>1.0</b>	<b>PCB, total</b>	<b>880</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>1760</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>677</b>	<b>Landau 10/31/08</b>
NBF08-14-3-4	9/18/2008	3.0	Aroclor 1248	0.3	NA	NA	NA	NA	1.3	V	No	<1	Landau 10/31/08
NBF08-14-3-4	9/18/2008	3.0	Aroclor 1254	0.13	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 10/31/08
NBF08-14-3-4	9/18/2008	3.0	PCB, total	0.43	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 10/31/08
NBF08-8-1-2	9/18/2008	1.0	Aroclor 1254	0.45	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 10/31/08
NBF08-8-1-2	9/18/2008	1.0	PCB, total	0.45	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 10/31/08
<b>SB08-22-1-2</b>	<b>9/18/2008</b>	<b>1.0</b>	<b>Aroclor 1254</b>	<b>4.6</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>2.9</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>3.5</b>	<b>Landau 10/31/08</b>
<b>SB08-22-1-2</b>	<b>9/18/2008</b>	<b>1.0</b>	<b>PCB, total</b>	<b>4.6</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>9.2</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>3.5</b>	<b>Landau 10/31/08</b>
<b>SB08-22B-1-2(Dup)</b>	<b>9/18/2008</b>	<b>1.0</b>	<b>Aroclor 1254</b>	<b>4</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>2.5</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>3.1</b>	<b>Landau 10/31/08</b>
<b>SB08-22B-1-2(Dup)</b>	<b>9/18/2008</b>	<b>1.0</b>	<b>PCB, total</b>	<b>4</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>8.0</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>3.1</b>	<b>Landau 10/31/08</b>
SB08-36-5-6	9/18/2008	5.0	Aroclor 1248	180 U	NA	NA	NA	NA	1.3	V	RLE	138	Landau 10/31/08
SB08-36-5-6	9/18/2008	5.0	Aroclor 1260	1.8 U	NA	NA	NA	NA	1.3	V	RLE	1.4	Landau 10/31/08
SB08-36-5-6	9/18/2008	5.0	Aroclor 1016	1.8 U	5.6	B, NC	No	<1	1.3	V	RLE	1.4	Landau 10/31/08
<b>SB08-36-5-6</b>	<b>9/18/2008</b>	<b>5.0</b>	<b>Aroclor 1254</b>	<b>270</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>169</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>208</b>	<b>Landau 10/31/08</b>
<b>SB08-36-5-6</b>	<b>9/18/2008</b>	<b>5.0</b>	<b>PCB, total</b>	<b>270</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>540</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>208</b>	<b>Landau 10/31/08</b>
<b>Building 3-333</b>													
HA-1	8/11/1994	3	Aroclor 1260	0.42	NA	NA	NA	NA	1.3	V	No	<1	Secor 10/24/94*
<b>HA-1</b>	<b>8/11/1994</b>	<b>3</b>	<b>Aroclor 1254</b>	<b>1.4</b>	<b>1.6</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>1.1</b>	<b>Secor 10/24/94*</b>
<b>HA-1</b>	<b>8/11/1994</b>	<b>3</b>	<b>PCB, total</b>	<b>1.82</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>3.6</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>1.40</b>	<b>Secor 10/24/94*</b>
HA-2	8/11/1994	3	Aroclor 1254	1	1.6	B, NC	No	<1	1.3	V	No	<1	Secor 10/24/94*
<b>HA-2</b>	<b>8/11/1994</b>	<b>3</b>	<b>PCB, total</b>	<b>1</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>2.0</b>	<b>1.3</b>	<b>V</b>	<b>No</b>	<b>&lt;1</b>	<b>Secor 10/24/94*</b>
HA-3	8/11/1994	3	Aroclor 1254	0.11	1.6	B, NC	No	<1	1.3	V	No	<1	Secor 10/24/94*
HA-3	8/11/1994	3	PCB, total	0.11	0.5	B, Carc	No	<1	1.3	V	No	<1	Secor 10/24/94*
HA-5	8/11/1994	3	Aroclor 1260	0.042 J	NA	NA	NA	NA	1.3	V	No	<1	Secor 10/24/94*
HA-5	8/11/1994	3	Aroclor 1254	0.1	1.6	B, NC	No	<1	1.3	V	No	<1	Secor 10/24/94*
HA-5	8/11/1994	3	PCB, total	0.142	0.5	B, Carc	No	<1	1.3	V	No	<1	Secor 10/24/94*
HA-5	8/11/1994	3	Diesel Range Hydrocarbons	240	2000	A	No	<1	NA	NA	NA	NA	Secor 10/24/94*
HA-5	8/11/1994	3	Diesel Range Hydrocarbons	150	2000	A	No	<1	NA	NA	NA	NA	Secor 10/24/94*
HA-5	8/11/1994	3	Heavy Oil Range Hydrocarbons	1200	2000	A	No	<1	NA	NA	NA	NA	Secor 10/24/94*
HA-5	8/11/1994	3	Total Petroleum Hydrocarbons	400	2000	A	No	<1	NA	NA	NA	NA	Secor 10/24/94*
HA-5	8/11/1994	3	Total Petroleum Hydrocarbons	210	2000	A	No	<1	NA	NA	NA	NA	Secor 10/24/94*
HA-6	8/11/1994	3	Aroclor 1260	0.25	NA	NA	NA	NA	1.3	V	No	<1	Secor 10/24/94*
HA-6	8/11/1994	3	Aroclor 1254	0.52	1.6	B, NC	No	<1	1.3	V	No	<1	Secor 10/24/94*
HA-6	8/11/1994	3	Diesel Range Hydrocarbons	440	2000	A	No	<1	NA	NA	NA	NA	Secor 10/24/94*
HA-6	8/11/1994	3	Diesel Range Hydrocarbons	430	2000	A	No	<1	NA	NA	NA	NA	Secor 10/24/94*
HA-6	8/11/1994	3	Heavy Oil Range Hydrocarbons	1100	2000	A	No	<1	NA	NA	NA	NA	Secor 10/24/94*



**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
HA-6	8/11/1994	3	Total Petroleum Hydrocarbons	250	2000	A	No	<1	NA	NA	NA	NA	Secor 10/24/94*
HA-6	8/11/1994	3	PCB, total	0.77	0.5	B, Carc	Yes	1.5	1.3	V	No	<1	Secor 10/24/94*
HA-7	8/11/1994	6	Aroclor 1248	0.074 U	NA	NA	NA	NA	0.065	S	RLE	1.1	Secor 10/24/94*
HA-7	8/11/1994	6	Aroclor 1260	0.074 U	NA	NA	NA	NA	0.065	S	RLE	1.1	Secor 10/24/94*
HA-7	8/11/1994	6	Aroclor 1016/1242	0.074 U	5.6	B, NC	No	<1	0.065	S	RLE	1.1	Secor 10/24/94*
HA-7	8/11/1994	6	Aroclor 1254	0.074 U	1.6	B, NC	No	<1	0.065	S	RLE	1.1	Secor 10/24/94*
HA-8	8/11/1994	6	Aroclor 1248	0.07 U	NA	NA	NA	NA	0.065	S	RLE	1.1	Secor 10/24/94*
HA-8	8/11/1994	6	Aroclor 1260	0.07 U	NA	NA	NA	NA	0.065	S	RLE	1.1	Secor 10/24/94*
HA-8	8/11/1994	6	Aroclor 1016/1242	0.07 U	5.6	B, NC	No	<1	0.065	S	RLE	1.1	Secor 10/24/94*
HA-8	8/11/1994	6	Aroclor 1254	0.1	1.6	B, NC	No	<1	0.065	S	Yes	1.5	Secor 10/24/94*
HA-8	8/11/1994	6	PCB, total	0.1	0.5	B, Carc	No	<1	0.065	S	Yes	1.5	Secor 10/24/94*
HA-9	8/11/1994	6	Aroclor 1248	0.078 U	NA	NA	NA	NA	0.065	S	RLE	1.2	Secor 10/24/94*
HA-9	8/11/1994	6	Aroclor 1260	0.078 U	NA	NA	NA	NA	0.065	S	RLE	1.2	Secor 10/24/94*
HA-9	8/11/1994	6	Aroclor 1016/1242	0.078 U	5.6	B, NC	No	<1	0.065	S	RLE	1.2	Secor 10/24/94*
HA-9	8/11/1994	6	Aroclor 1254	0.078 U	1.6	B, NC	No	<1	0.065	S	RLE	1.2	Secor 10/24/94*
HA-10	8/11/1994	6	Aroclor 1248	0.081 U	NA	NA	NA	NA	0.065	S	RLE	1.2	Secor 10/24/94*
HA-10	8/11/1994	6	Aroclor 1260	0.15	NA	NA	NA	NA	0.065	S	Yes	2.3	Secor 10/24/94*
HA-10	8/11/1994	6	Aroclor 1016/1242	0.081 U	5.6	B, NC	No	<1	0.065	S	RLE	1.2	Secor 10/24/94*
HA-10	8/11/1994	6	Aroclor 1254	0.72	1.6	B, NC	No	<1	0.065	S	Yes	11	Secor 10/24/94*
HA-10	8/11/1994	6	PCB, total	0.87	0.5	B, Carc	Yes	1.7	0.065	S	Yes	13	Secor 10/24/94*
HA-10	8/11/1994	6	Diesel Range Hydrocarbons	2800	2000	A	Yes	1.4	NA	NA	NA	NA	Secor 10/24/94*
HA-10	8/11/1994	6	Diesel Range Hydrocarbons	3200	2000	A	Yes	1.6	NA	NA	NA	NA	Secor 10/24/94*
HA-10	8/11/1994	6	Gasoline Range Hydrocarbons	2400	30	A	Yes	80	NA	NA	NA	NA	Secor 10/24/94*
HA-10	8/11/1994	6	Gasoline Range Hydrocarbons	2700	30	A	Yes	90	NA	NA	NA	NA	Secor 10/24/94*
HA-11	8/11/1994	6	Aroclor 1248	8.8 U	NA	NA	NA	NA	0.065	S	RLE	135	Secor 10/24/94*
HA-11	8/11/1994	6	Aroclor 1260	140 U	NA	NA	NA	NA	0.065	S	RLE	2154	Secor 10/24/94*
HA-11	8/11/1994	6	Aroclor 1016/1242	8.8 U	5.6	B, NC	RLE	1.6	0.065	S	RLE	135	Secor 10/24/94*
HA-11	8/11/1994	6	Aroclor 1254	400	1.6	B, NC	Yes	250	0.065	S	Yes	6154	Secor 10/24/94*
HA-11	8/11/1994	6	PCB, total	400	0.5	B, Carc	Yes	800	0.065	S	Yes	6154	Secor 10/24/94*
HA-11	8/11/1994	6	Diesel Range Hydrocarbons	3900	2000	A	Yes	2.0	NA	NA	NA	NA	Secor 10/24/94*
HA-11	8/11/1994	6	Diesel Range Hydrocarbons	4900	2000	A	Yes	2.5	NA	NA	NA	NA	Secor 10/24/94*
HA-11	8/11/1994	6	Gasoline Range Hydrocarbons	3500	30	A	Yes	117	NA	NA	NA	NA	Secor 10/24/94*
HA-11	8/11/1994	6	Gasoline Range Hydrocarbons	5300	30	A	Yes	177	NA	NA	NA	NA	Secor 10/24/94*
HA-11	8/11/1994	6	Gasoline Range Hydrocarbons	6400	30	A	Yes	213	NA	NA	NA	NA	Secor 10/24/94*
HA-12	8/11/1994	6	Aroclor 1248	0.11 U	NA	NA	NA	NA	0.065	S	RLE	1.7	Secor 10/24/94*
HA-12	8/11/1994	6	Aroclor 1260	0.11 U	NA	NA	NA	NA	0.065	S	RLE	1.7	Secor 10/24/94*
HA-12	8/11/1994	6	Aroclor 1016/1242	0.11 U	5.6	B, NC	No	<1	0.065	S	RLE	1.7	Secor 10/24/94*
HA-12	8/11/1994	6	Aroclor 1254	1.6	1.6	B, NC	No	1.0	0.065	S	Yes	25	Secor 10/24/94*
HA-12	8/11/1994	6	PCB, total	1.6	0.5	B, Carc	Yes	3.2	0.065	S	Yes	25	Secor 10/24/94*
MW1@5.5	11/29/1994	5.5	Aroclor 1260	64 U	NA	NA	NA	NA	0.065	S	RLE	985	SECOR 2/16/95*
MW1@5.5	11/29/1994	5.5	Acetone	1	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 2/16/95*
MW1@5.5	11/29/1994	5.5	Heavy Oil Range Hydrocarbons	62	2000	A	No	<1	NA	NA	NA	NA	SECOR 2/16/95*
MW1@5.5	11/29/1994	5.5	Aroclor 1016	17 U	5.6	B, NC	RLE	3.0	0.066	S	RLE	258	SECOR 2/16/95*
MW1@5.5	11/29/1994	5.5	Benzene	0.14 U	0.03	A	RLE	4.7	NA	NA	NA	NA	SECOR 2/16/95*
MW1@5.5	11/29/1994	5.5	Methylene Chloride	0.29 U	0.02	A	RLE	15	NA	NA	NA	NA	SECOR 2/16/95*
MW1@5.5	11/29/1994	5.5	Tetrachloroethene	0.14 U	0.05	A	RLE	2.8	NA	NA	NA	NA	SECOR 2/16/95*
MW1@5.5	11/29/1994	5.5	Trichloroethene	0.14 U	0.03	A	RLE	4.7	NA	NA	NA	NA	SECOR 2/16/95*
MW1@5.5	11/29/1994	5.5	Diesel Range Hydrocarbons	5900	2000	A	Yes	3.0	NA	NA	NA	NA	SECOR 2/16/95*
MW1@5.5	11/29/1994	5.5	Diesel Range Hydrocarbons	6600	2000	A	Yes	3.3	NA	NA	NA	NA	SECOR 2/16/95*
MW1@5.5	11/29/1994	5.5	Gasoline Range Hydrocarbons	6000	30	A	Yes	200	NA	NA	NA	NA	SECOR 2/16/95*
MW1@5.5	11/29/1994	5.5	Gasoline Range Hydrocarbons	8500	30	A	Yes	283	NA	NA	NA	NA	SECOR 2/16/95*
SB05@2	11/29/1994	2	Aroclor 1254	0.15	1.6	B, NC	No	<1	1.3	V	No	<1	SECOR 2/16/95*

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**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
SB05@2	11/29/1994	2	PCB, total	0.15	0.5	B, Carc	No	<1	1.3	V	No	<1	SECOR 2/16/95*
SB08@2	11/29/1994	2	Aroclor 1254	0.096	1.6	B, NC	No	<1	1.3	V	No	<1	SECOR 2/16/95*
SB08@2	11/29/1994	2	PCB, total	0.096	0.5	B, Carc	No	<1	1.3	V	No	<1	SECOR 2/16/95*
<b>SB08@6</b>	<b>11/29/1994</b>	<b>6</b>	<b>Aroclor 1254</b>	<b>0.11</b>	<b>1.6</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>0.065</b>	<b>S</b>	<b>Yes</b>	<b>1.7</b>	<b>SECOR 2/16/95*</b>
<b>SB08@6</b>	<b>11/29/1994</b>	<b>6</b>	<b>PCB, total</b>	<b>0.11</b>	<b>0.5</b>	<b>B, Carc</b>	<b>No</b>	<b>&lt;1</b>	<b>0.065</b>	<b>S</b>	<b>Yes</b>	<b>1.7</b>	<b>SECOR 2/16/95*</b>
SB11@5.5	11/29/1994	5.5	Diesel Range Hydrocarbons	1100	2000	A	No	<1	NA	NA	NA	NA	SECOR 2/16/95*
<b>SB11@5.5</b>	<b>11/29/1994</b>	<b>5.5</b>	<b>Gasoline Range Hydrocarbons</b>	<b>420</b>	<b>30</b>	<b>A</b>	<b>Yes</b>	<b>14</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>SECOR 2/16/95*</b>
SB01@1.5	11/30/1994	1.5	Aroclor 1254	0.044	1.6	B, NC	No	<1	1.3	V	No	<1	SECOR 2/16/95*
SB01@1.5	11/30/1994	1.5	PCB, total	0.044	0.5	B, Carc	No	<1	1.3	V	No	<1	SECOR 2/16/95*
SB12@8	11/30/1994	8	Aroclor 1248	0.12 U	NA	NA	NA	NA	0.065	S	RLE	1.8	SECOR 2/16/95*
SB12@8	11/30/1994	8	Aroclor 1260	0.2 U	NA	NA	NA	NA	0.065	S	RLE	3.1	SECOR 2/16/95*
<b>SB12@8</b>	<b>11/30/1994</b>	<b>8</b>	<b>Aroclor 1254</b>	<b>1.2</b>	<b>1.6</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>0.065</b>	<b>S</b>	<b>Yes</b>	<b>18</b>	<b>SECOR 2/16/95*</b>
SB12@8	11/30/1994	8	Diesel Range Hydrocarbons	120	2000	A	No	<1	NA	NA	NA	NA	SECOR 2/16/95*
SB12@8	11/30/1994	8	Diesel Range Hydrocarbons	58	2000	A	No	<1	NA	NA	NA	NA	SECOR 2/16/95*
<b>SB12@8</b>	<b>11/30/1994</b>	<b>8</b>	<b>PCB, total</b>	<b>1.2</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>2.4</b>	<b>0.065</b>	<b>S</b>	<b>Yes</b>	<b>18</b>	<b>SECOR 2/16/95*</b>
SB14@1	11/30/1994	1	Aroclor 1254	1.4	1.6	B, NC	No	<1	1.3	V	Yes	1.1	SECOR 2/16/95*
<b>SB14@1</b>	<b>11/30/1994</b>	<b>1</b>	<b>PCB, total</b>	<b>1.4</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>2.8</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>1.1</b>	<b>SECOR 2/16/95*</b>
SB15@3	11/30/1994	3	Aroclor 1254	0.32	1.6	B, NC	No	<1	1.3	V	No	<1	SECOR 2/16/95*
SB15@3	11/30/1994	3	PCB, total	0.32	0.5	B, Carc	No	<1	1.3	V	No	<1	SECOR 2/16/95*
SB18@2	11/30/1994	2	Aroclor 1248	0.08	NA	NA	NA	NA	1.3	V	No	<1	SECOR 2/16/95*
SB18@2	11/30/1994	2	PCB, total	0.08	0.5	B, Carc	No	<1	1.3	V	No	<1	SECOR 2/16/95*
SB18@6	11/30/1994	6	Aroclor 1254	0.024 J	1.6	B, NC	No	<1	0.065	S	No	<1	SECOR 2/16/95*
SB20@6	11/30/1994	6	Acetone	0.016 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 2/16/95*
SB20@6	11/30/1994	6	Aroclor 1254	0.03 J	1.6	B, NC	No	<1	0.065	S	No	<1	SECOR 2/16/95*
SB20@6	11/30/1994	6	PCB, total	0.03	0.5	B, Carc	No	<1	0.065	S	No	<1	SECOR 2/16/95*
<b>SB20@6</b>	<b>11/30/1994</b>	<b>6</b>	<b>Methylene Chloride</b>	<b>0.023 B</b>	<b>0.02</b>	<b>A</b>	<b>Yes</b>	<b>1.2</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>SECOR 2/16/95*</b>
S-3	3/12/1996	4	Heavy Oil Range Hydrocarbons	190	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/2/96*
S-3	3/12/1996	4	Diesel Range Hydrocarbons	6200	2000	A	Yes	3.1	NA	NA	NA	NA	SECOR 7/2/96*
S-3	3/12/1996	4	Diesel Range Hydrocarbons	8000	2000	A	Yes	4.0	NA	NA	NA	NA	SECOR 7/2/96*
S-3	3/12/1996	4	Gasoline Range Hydrocarbons	1800	30	A	Yes	60	NA	NA	NA	NA	SECOR 7/2/96*
S-3	3/12/1996	4	Gasoline Range Hydrocarbons	2300	30	A	Yes	77	NA	NA	NA	NA	SECOR 7/2/96*
S-3	3/12/1996	4	Total Petroleum Hydrocarbons	10000	2000	A	Yes	5.0	NA	NA	NA	NA	SECOR 7/2/96*
S-4	3/12/1996	4	Heavy Oil Range Hydrocarbons	71	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/2/96*
S-4	3/12/1996	4	Diesel Range Hydrocarbons	3700 E	2000	A	Yes	1.9	NA	NA	NA	NA	SECOR 7/2/96*
S-4	3/12/1996	4	Gasoline Range Hydrocarbons	2600 E	30	A	Yes	87	NA	NA	NA	NA	SECOR 7/2/96*
S-4	3/12/1996	4	Diesel Range Hydrocarbons	2200	2000	A	Yes	1.1	NA	NA	NA	NA	SECOR 7/2/96*
S-4	3/12/1996	4	Diesel Range Hydrocarbons	3000	2000	A	Yes	1.5	NA	NA	NA	NA	SECOR 7/2/96*
S-4	3/12/1996	4	Gasoline Range Hydrocarbons	1700	30	A	Yes	57	NA	NA	NA	NA	SECOR 7/2/96*
S-4	3/12/1996	4	Gasoline Range Hydrocarbons	3700	30	A	Yes	123	NA	NA	NA	NA	SECOR 7/2/96*
S-6	3/12/1996	4	Diesel Range Hydrocarbons	510	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/2/96*
S-6	3/12/1996	4	Diesel Range Hydrocarbons	160	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/2/96*
S-6	3/12/1996	4	Heavy Oil Range Hydrocarbons	93	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/2/96*
S-7	3/12/1996	4	Diesel Range Hydrocarbons	29	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/2/96*
S-8	3/12/1996	4	Diesel Range Hydrocarbons	42	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/2/96*
S-12	3/12/1996	4	Diesel Range Hydrocarbons	11000 E	2000	A	Yes	5.5	NA	NA	NA	NA	SECOR 7/2/96*
S-12	3/12/1996	4	Gasoline Range Hydrocarbons	3100 E	30	A	Yes	103	NA	NA	NA	NA	SECOR 7/2/96*
S-12	3/12/1996	4	Diesel Range Hydrocarbons	9900	2000	A	Yes	5.0	NA	NA	NA	NA	SECOR 7/2/96*
S-12	3/12/1996	4	Gasoline Range Hydrocarbons	4700	30	A	Yes	157	NA	NA	NA	NA	SECOR 7/2/96*
S-12	3/12/1996	4	Total Petroleum Hydrocarbons	14000	2000	A	Yes	7.0	NA	NA	NA	NA	SECOR 7/2/96*
S-12	3/13/1996	4	Heavy Oil Range Hydrocarbons	310	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/2/96*
S-12	3/13/1996	4	Heavy Oil Range Hydrocarbons	2500 U	2000	A	RLE	1.3	NA	NA	NA	NA	SECOR 7/2/96*
S-12	3/13/1996	4	Gasoline Range Hydrocarbons	5300 E	30	A	Yes	177	NA	NA	NA	NA	SECOR 7/2/96*

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
S-12	3/13/1996	4	Diesel Range Hydrocarbons	13000	2000	A	Yes	6.5	NA	NA	NA	NA	SECOR 7/2/96*
S-12	3/13/1996	4	Gasoline Range Hydrocarbons	9000	30	A	Yes	300	NA	NA	NA	NA	SECOR 7/2/96*
3-333-15	9/12/1996	4	1,1,1-Trichloroethane	0.153	2	A	No	<1	NA	NA	NA	NA	Equipose 2/10/97*
3-333-18	9/12/1996	4	1,1,2-Trichloro-1,2,2-trifluoroethane	0.2936	2400000	B, NC	No	<1	NA	NA	NA	NA	Equipose 2/10/97*
3-333-19	9/12/1996	4	1,1,2-Trichloro-1,2,2-trifluoroethane	0.15	2400000	B, NC	No	<1	NA	NA	NA	NA	Equipose 2/10/97*
3-333-19	9/12/1996	4	Trichlorofluoromethane	0.003	24000	B, NC	No	<1	NA	NA	NA	NA	Equipose 2/10/97*
3-333-19	9/12/1996	4	Trichloroethene	0.2206	0.03	A	Yes	7.4	NA	NA	NA	NA	Equipose 2/10/97*
3-333-20	9/12/1996	4	PCB, total	16.6	0.5	B, Carc	Yes	33	1.3	V	Yes	13	Equipose 2/10/97*
3-333-23D	9/12/1996	6	PCB, total	77.0	0.5	B, Carc	Yes	154	0.065	S	Yes	1185	Equipose 2/10/97*
3-333-23S	9/12/1996	4	PCB, total	2.90	0.5	B, Carc	Yes	5.8	1.3	V	Yes	2	Equipose 2/10/97*
3-333-24D	9/12/1996	6	PCB, total	0.75	0.5	B, Carc	Yes	1.5	0.065	S	Yes	12	Equipose 2/10/97*
3-333-24S	9/12/1996	4	PCB, total	84.0	0.5	B, Carc	Yes	168	1.3	V	Yes	65	Equipose 2/10/97*
3-333-25D	9/12/1996	6	PCB, total	0.10	0.5	B, Carc	No	<1	0.065	S	Yes	1.5	Equipose 2/10/97*
3-333-30S	9/12/1996	4	PCB, total	10.0	0.5	B, Carc	Yes	20	1.3	V	Yes	8	Equipose 2/10/97*
P4/0.2-1.2	6/20/1997	1.2	Aroclor 1254	0.018 J	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 8/8/97*
P4/0.2-1.2	6/20/1997	1.2	PCB, total	0.018	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI 8/8/97*
P4/0.2-1.2	6/20/1997	1.2	Diesel Range Hydrocarbons	66	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P4/0.2-1.2	6/20/1997	1.2	Gasoline Range Hydrocarbons	22	30	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P4/0.2-1.2	6/20/1997	1.2	Heavy Oil Range Hydrocarbons	290	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P4/3.7-5.7	6/20/1997	5.6999998	Diesel Range Hydrocarbons	1600	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P4/3.7-5.7	6/20/1997	5.6999998	Heavy Oil Range Hydrocarbons	180	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P11/3.7-6.7	6/20/1997	6.6999998	Aroclor 1248	0.98 U	NA	NA	NA	NA	0.065	S	RLE	15	AGI 8/8/97*
P11/3.7-6.7	6/20/1997	6.6999998	Aroclor 1260	0.98 U	NA	NA	NA	NA	0.065	S	RLE	15	AGI 8/8/97*
P11/3.7-6.7	6/20/1997	6.6999998	Aroclor 1016	0.98 U	5.6	B, NC	No	<1	0.066	S	RLE	15	AGI 8/8/97*
P11/3.7-6.7	6/20/1997	6.6999998	Diesel Range Hydrocarbons	990	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P11/3.7-6.7	6/20/1997	6.6999998	Heavy Oil Range Hydrocarbons	84	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P11/3.7-6.7	6/20/1997	6.6999998	Aroclor 1254	22	1.6	B, NC	Yes	14	0.065	S	Yes	338	AGI 8/8/97*
P11/3.7-6.7	6/20/1997	6.6999998	PCB, total	22	0.5	B, Carc	Yes	44	0.065	S	Yes	338	AGI 8/8/97*
P11/3.7-6.7	6/20/1997	6.6999998	Gasoline Range Hydrocarbons	600	30	A	Yes	20	NA	NA	NA	NA	AGI 8/8/97*
P12/1.5-3.5	6/20/1997	3.5	PCB, total	3.6	0.5	B, Carc	Yes	7.2	1.3	V	Yes	2.8	AGI 8/8/97*
P12/3.5-6.5	6/20/1997	6.5	Aroclor 1248	0.96 U	NA	NA	NA	NA	0.065	S	RLE	15	AGI 8/8/97*
P12/3.5-6.5	6/20/1997	6.5	Aroclor 1260	0.96 U	NA	NA	NA	NA	0.065	S	RLE	15	AGI 8/8/97*
P12/3.5-6.5	6/20/1997	6.5	Aroclor 1016	0.96 U	5.6	B, NC	No	<1	0.066	S	RLE	15	AGI 8/8/97*
P12/3.5-6.5	6/20/1997	6.5	Heavy Oil Range Hydrocarbons	91	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P12/3.5-6.5	6/20/1997	6.5	Aroclor 1254	9.8	1.6	B, NC	Yes	6.1	0.065	S	Yes	151	AGI 8/8/97*
P12/3.5-6.5	6/20/1997	6.5	PCB, total	9.8	0.5	B, Carc	Yes	20	0.065	S	Yes	151	AGI 8/8/97*
P12/3.5-6.5	6/20/1997	6.5	Diesel Range Hydrocarbons	3900	2000	A	Yes	2.0	NA	NA	NA	NA	AGI 8/8/97*
P12/3.5-6.5	6/20/1997	6.5	Gasoline Range Hydrocarbons	820	30	A	Yes	27	NA	NA	NA	NA	AGI 8/8/97*
P13/3.7-6.7	6/20/1997	6.6999998	Aroclor 1248	3.2 U	NA	NA	NA	NA	0.065	S	RLE	49	AGI 8/8/97*
P13/3.7-6.7	6/20/1997	6.6999998	Aroclor 1260	0.95 U	NA	NA	NA	NA	0.065	S	RLE	15	AGI 8/8/97*
P13/3.7-6.7	6/20/1997	6.6999998	Aroclor 1016	0.95 U	5.6	B, NC	No	<1	0.066	S	RLE	14	AGI 8/8/97*
P13/3.7-6.7	6/20/1997	6.6999998	Heavy Oil Range Hydrocarbons	57	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P13/3.7-6.7	6/20/1997	6.6999998	Aroclor 1254	120	1.6	B, NC	Yes	75	0.065	S	Yes	1846	AGI 8/8/97*
P13/3.7-6.7	6/20/1997	6.6999998	PCB, total	120	0.5	B, Carc	Yes	240	0.065	S	Yes	1846	AGI 8/8/97*
P13/3.7-6.7	6/20/1997	6.6999998	Diesel Range Hydrocarbons	2600	2000	A	Yes	1.3	NA	NA	NA	NA	AGI 8/8/97*
P13/3.7-6.7	6/20/1997	6.6999998	Gasoline Range Hydrocarbons	430	30	A	Yes	14	NA	NA	NA	NA	AGI 8/8/97*
P14/3.1-5.6	6/20/1997	5.5999999	Aroclor 1260	1.1 U	NA	NA	NA	NA	0.065	S	RLE	17	AGI 8/8/97*
P14/3.1-5.6	6/20/1997	5.5999999	Aroclor 1248	90	NA	NA	NA	NA	0.065	S	Yes	1385	AGI 8/8/97*
P14/3.1-5.6	6/20/1997	5.5999999	Aroclor 1016	1.1 U	5.6	B, NC	No	<1	0.066	S	RLE	17	AGI 8/8/97*
P14/3.1-5.6	6/20/1997	5.5999999	Heavy Oil Range Hydrocarbons	16	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P14/3.1-5.6	6/20/1997	5.5999999	Aroclor 1254	94	1.6	B, NC	Yes	59	0.065	S	Yes	1446	AGI 8/8/97*
P14/3.1-5.6	6/20/1997	5.5999999	PCB, total	184	0.5	B, Carc	Yes	368	0.065	S	Yes	2831	AGI 8/8/97*

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
P14/3.1-5.6	6/20/1997	5.5999999	Diesel Range Hydrocarbons	2900	2000	A	Yes	1.5	NA	NA	NA	NA	AGI 8/8/97*
P14/3.1-5.6	6/20/1997	5.5999999	Gasoline Range Hydrocarbons	2000	30	A	Yes	67	NA	NA	NA	NA	AGI 8/8/97*
P15/3.6-6.6	6/20/1997	6.5999999	Aroclor 1248	7.6 U	NA	NA	NA	NA	0.065	S	RLE	117	AGI 8/8/97*
P15/3.6-6.6	6/20/1997	6.5999999	Aroclor 1260	0.94 U	NA	NA	NA	NA	0.065	S	RLE	14	AGI 8/8/97*
P15/3.6-6.6	6/20/1997	6.5999999	Aroclor 1016	0.94 U	5.6	B, NC	No	<1	0.066	S	RLE	14	AGI 8/8/97*
P15/3.6-6.6	6/20/1997	6.5999999	Heavy Oil Range Hydrocarbons	94	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P15/3.6-6.6	6/20/1997	6.5999999	Aroclor 1254	630	1.6	B, NC	Yes	394	0.065	S	Yes	9692	AGI 8/8/97*
P15/3.6-6.6	6/20/1997	6.5999999	PCB, total	630	0.5	B, Carc	Yes	1260	0.065	S	Yes	9692	AGI 8/8/97*
P15/3.6-6.6	6/20/1997	6.5999999	Diesel Range Hydrocarbons	4800	2000	A	Yes	2.4	NA	NA	NA	NA	AGI 8/8/97*
P15/3.6-6.6	6/20/1997	6.5999999	Gasoline Range Hydrocarbons	890	30	A	Yes	30	NA	NA	NA	NA	AGI 8/8/97*
P16/0.7-1.7	6/20/1997	1.7	PCB, total	1600	0.5	B, Carc	Yes	3200	1.3	V	Yes	1231	AGI 8/8/97*
P16/3.7-6.7	6/20/1997	6.6999998	Aroclor 1248	1.5 U	NA	NA	NA	NA	0.065	S	RLE	23	AGI 8/8/97*
P16/3.7-6.7	6/20/1997	6.6999998	Aroclor 1260	0.99 U	NA	NA	NA	NA	0.065	S	RLE	15	AGI 8/8/97*
P16/3.7-6.7	6/20/1997	6.6999998	Aroclor 1016	0.99 U	5.6	B, NC	No	<1	0.066	S	RLE	15	AGI 8/8/97*
P16/3.7-6.7	6/20/1997	6.6999998	Diesel Range Hydrocarbons	1200	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P16/3.7-6.7	6/20/1997	6.6999998	Heavy Oil Range Hydrocarbons	32	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P16/3.7-6.7	6/20/1997	6.6999998	Aroclor 1254	83	1.6	B, NC	Yes	52	0.065	S	Yes	1277	AGI 8/8/97*
P16/3.7-6.7	6/20/1997	6.6999998	PCB, total	83	0.5	B, Carc	Yes	166	0.065	S	Yes	1277	AGI 8/8/97*
P16/3.7-6.7	6/20/1997	6.6999998	Gasoline Range Hydrocarbons	7500	30	A	Yes	250	NA	NA	NA	NA	AGI 8/8/97*
P18/1.7-3.7	6/20/1997	3.7	PCB, total	420	0.5	B, Carc	Yes	840	1.3	V	Yes	323	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.6999998	Aroclor 1248	4.5 U	NA	NA	NA	NA	0.065	S	RLE	69	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.6999998	Aroclor 1248	4.6 U	NA	NA	NA	NA	0.065	S	RLE	71	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.6999998	Aroclor 1260	0.96 U	NA	NA	NA	NA	0.065	S	RLE	15	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.6999998	Aroclor 1260	0.97 U	NA	NA	NA	NA	0.065	S	RLE	15	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.6999998	Aroclor 1016	0.96 U	5.6	B, NC	No	<1	0.066	S	RLE	15	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.6999998	Aroclor 1016	0.97 U	5.6	B, NC	No	<1	0.066	S	RLE	15	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.6999998	Heavy Oil Range Hydrocarbons	140	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.6999998	Heavy Oil Range Hydrocarbons	140	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.6999998	Aroclor 1254	270	1.6	B, NC	Yes	169	0.065	S	Yes	4154	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.6999998	Aroclor 1254	280	1.6	B, NC	Yes	175	0.065	S	Yes	4308	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.6999998	PCB, total	275	0.5	B, Carc	Yes	550	0.065	S	Yes	4231	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.6999998	Diesel Range Hydrocarbons	7500	2000	A	Yes	3.8	NA	NA	NA	NA	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.6999998	Diesel Range Hydrocarbons	7600	2000	A	Yes	3.8	NA	NA	NA	NA	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.6999998	Gasoline Range Hydrocarbons	6000	30	A	Yes	200	NA	NA	NA	NA	AGI 8/8/97*
P18/3.7-6.7	6/20/1997	6.6999998	Gasoline Range Hydrocarbons	7800	30	A	Yes	260	NA	NA	NA	NA	AGI 8/8/97*
P19/4.0-6.0	6/20/1997	6	Aroclor 1248	0.44	NA	NA	NA	NA	0.065	S	Yes	6.8	AGI 8/8/97*
P19/4.0-6.0	6/20/1997	6	Aroclor 1254	0.09	1.6	B, NC	No	<1	0.065	S	Yes	1.4	AGI 8/8/97*
P19/4.0-6.0	6/20/1997	6	Diesel Range Hydrocarbons	40	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P19/4.0-6.0	6/20/1997	6	PCB, total	0.53	0.5	B, Carc	Yes	1.1	0.065	S	Yes	8.2	AGI 8/8/97*
P21/3.5-6.5	6/20/1997	6.5	Diesel Range Hydrocarbons	7	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P21/3.5-6.5	6/20/1997	6.5	Heavy Oil Range Hydrocarbons	17	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P22/3.6-6.6	6/20/1997	6.5999999	Heavy Oil Range Hydrocarbons	15	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P23/1.6-2.5	6/20/1997	2.5	Diesel Range Hydrocarbons	10	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P23/1.6-2.5	6/20/1997	2.5	Heavy Oil Range Hydrocarbons	24	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P24/0.5-1.5	6/20/1997	1.5	Aroclor 1254	0.02 J	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 8/8/97*
P24/0.5-1.5	6/20/1997	1.5	PCB, total	0.02	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI 8/8/97*
P24/3.5-6.5	6/20/1997	6.5	Diesel Range Hydrocarbons	9.5	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P24/3.5-6.5	6/20/1997	6.5	Heavy Oil Range Hydrocarbons	22	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P25/3.7-6.7	6/20/1997	6.6999998	Diesel Range Hydrocarbons	53	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P25/3.7-6.7	6/20/1997	6.6999998	Heavy Oil Range Hydrocarbons	45	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P1/3.2-4.2	6/21/1997	4.1999998	Aroclor 1260	0.033 J	NA	NA	NA	NA	1.3	V	No	<1	AGI 8/8/97*
P1/3.2-4.2	6/21/1997	4.1999998	Aroclor 1254	0.073	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 8/8/97*

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
P1/3.2-4.2	6/21/1997	4.1999998	PCB, total	0.106	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI 8/8/97*
P1/3.2-4.2	6/21/1997	4.1999998	Diesel Range Hydrocarbons	24	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P1/3.2-4.2	6/21/1997	4.1999998	Heavy Oil Range Hydrocarbons	69	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P10/0.5-1.5	6/21/1997	1.5	Diesel Range Hydrocarbons	23	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P10/0.5-1.5	6/21/1997	1.5	Heavy Oil Range Hydrocarbons	54	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
<b>P17/0.7-1.7</b>	<b>6/21/1997</b>	<b>1.7</b>	<b>PCB, total</b>	<b>2.25</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>4.5</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>1.7</b>	<b>AGI 8/8/97*</b>
P17/3.7-6.7	6/21/1997	6.6999998	Aroclor 1248	1 U	NA	NA	NA	NA	0.065	S	RLE	15	AGI 8/8/97*
P17/3.7-6.7	6/21/1997	6.6999998	Aroclor 1248	1 U	NA	NA	NA	NA	0.065	S	RLE	15	AGI 8/8/97*
P17/3.7-6.7	6/21/1997	6.6999998	Aroclor 1260	1 U	NA	NA	NA	NA	0.065	S	RLE	15	AGI 8/8/97*
P17/3.7-6.7	6/21/1997	6.6999998	Aroclor 1260	1 U	NA	NA	NA	NA	0.065	S	RLE	15	AGI 8/8/97*
P17/3.7-6.7	6/21/1997	6.6999998	Aroclor 1016	1 U	5.6	B, NC	No	<1	0.066	S	RLE	15	AGI 8/8/97*
P17/3.7-6.7	6/21/1997	6.6999998	Aroclor 1016	1 U	5.6	B, NC	No	<1	0.066	S	RLE	15	AGI 8/8/97*
P17/3.7-6.7	6/21/1997	6.6999998	Diesel Range Hydrocarbons	740	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P17/3.7-6.7	6/21/1997	6.6999998	Diesel Range Hydrocarbons	900	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P17/3.7-6.7	6/21/1997	6.6999998	Heavy Oil Range Hydrocarbons	31	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P17/3.7-6.7	6/21/1997	6.6999998	Heavy Oil Range Hydrocarbons	32	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P17/3.7-6.7	6/21/1997	6.6999998	Methylene Chloride	0.022 U	0.02	A	RLE	1.1	NA	NA	NA	NA	AGI 8/8/97*
<b>P17/3.7-6.7</b>	<b>6/21/1997</b>	<b>6.6999998</b>	<b>Aroclor 1254</b>	<b>3.7</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>2.3</b>	<b>0.065</b>	<b>S</b>	<b>Yes</b>	<b>57</b>	<b>AGI 8/8/97*</b>
<b>P17/3.7-6.7</b>	<b>6/21/1997</b>	<b>6.6999998</b>	<b>Aroclor 1254</b>	<b>3.4</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>2.1</b>	<b>0.065</b>	<b>S</b>	<b>Yes</b>	<b>52</b>	<b>AGI 8/8/97*</b>
<b>P17/3.7-6.7</b>	<b>6/21/1997</b>	<b>6.6999998</b>	<b>PCB, total</b>	<b>3.55</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>7.1</b>	<b>0.065</b>	<b>S</b>	<b>Yes</b>	<b>55</b>	<b>AGI 8/8/97*</b>
P17/3.7-6.7	6/21/1997	6.6999998	Gasoline Range Hydrocarbons	430	30	A	Yes	14	NA	NA	NA	NA	AGI 8/8/97*
P17/3.7-6.7	6/21/1997	6.6999998	Gasoline Range Hydrocarbons	4800	30	A	Yes	160	NA	NA	NA	NA	AGI 8/8/97*
P2/1.0-2.0	6/21/1997	2	Diesel Range Hydrocarbons	18	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P2/1.0-2.0	6/21/1997	2	Heavy Oil Range Hydrocarbons	65	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P2/2.0-4.0	6/21/1997	4	Heavy Oil Range Hydrocarbons	12	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P26/4.3-5.3	6/21/1997	5.3000002	Diesel Range Hydrocarbons	22	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P26/4.3-5.3	6/21/1997	5.3000002	Heavy Oil Range Hydrocarbons	140	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P27/3.5-6.5	6/21/1997	6.5	Diesel Range Hydrocarbons	6.9	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P27/3.5-6.5	6/21/1997	6.5	Heavy Oil Range Hydrocarbons	29	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P28/0.5-1.5	6/21/1997	1.5	Aroclor 1254	0.048	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 8/8/97*
P28/0.5-1.5	6/21/1997	1.5	PCB, total	0.048	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI 8/8/97*
P28/0.5-1.5	6/21/1997	1.5	Diesel Range Hydrocarbons	5.8	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P28/0.5-1.5	6/21/1997	1.5	Heavy Oil Range Hydrocarbons	12	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P28/1.5-3.0	6/21/1997	3	Aroclor 1254	0.16	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 8/8/97*
P28/1.5-3.0	6/21/1997	3	PCB, total	0.16	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI 8/8/97*
P28/1.5-3.0	6/21/1997	3	Diesel Range Hydrocarbons	7.1	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P28/1.5-3.0	6/21/1997	3	Heavy Oil Range Hydrocarbons	13	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P28/3.0-5.5	6/21/1997	5.5	Aroclor 1254	0.026 J	1.6	B, NC	No	<1	0.065	S	No	<1	AGI 8/8/97*
P28/3.0-5.5	6/21/1997	5.5	PCB, total	0.026 J	0.5	B, Carc	No	<1	0.065	S	No	<1	AGI 8/8/97*
P29/3.5-5.0	6/21/1997	5	Methylene Chloride	0.0063	0.02	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P3/4.1-7.1	6/21/1997	7.0999999	Heavy Oil Range Hydrocarbons	15	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P5/0.4-1.4	6/21/1997	1.4	Aroclor 1254	0.58	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 8/8/97*
P5/0.4-1.4	6/21/1997	1.4	Diesel Range Hydrocarbons	45	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P5/0.4-1.4	6/21/1997	1.4	Heavy Oil Range Hydrocarbons	150	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
<b>P5/0.4-1.4</b>	<b>6/21/1997</b>	<b>1.4</b>	<b>PCB, total</b>	<b>0.58</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>1.2</b>	<b>1.3</b>	<b>V</b>	<b>No</b>	<b>&lt;1</b>	<b>AGI 8/8/97*</b>
P5/1.4-3.4	6/21/1997	3.4000001	Aroclor 1254	0.052	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 8/8/97*
P5/1.4-3.4	6/21/1997	3.4000001	PCB, total	0.052	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI 8/8/97*
P5/1.4-3.4	6/21/1997	3.4000001	Diesel Range Hydrocarbons	6.9	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P5/1.4-3.4	6/21/1997	3.4000001	Heavy Oil Range Hydrocarbons	19	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P5/3.4-6.4	6/21/1997	6.4000001	Aroclor 1248	0.97 U	NA	NA	NA	NA	0.065	S	RLE	15	AGI 8/8/97*
P5/3.4-6.4	6/21/1997	6.4000001	Aroclor 1260	0.97 U	NA	NA	NA	NA	0.065	S	RLE	15	AGI 8/8/97*
P5/3.4-6.4	6/21/1997	6.4000001	Aroclor 1016	0.97 U	5.6	B, NC	No	<1	0.066	S	RLE	15	AGI 8/8/97*



**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
P5/3.4-6.4	6/21/1997	6.4000001	Diesel Range Hydrocarbons	190	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P5/3.4-6.4	6/21/1997	6.4000001	Heavy Oil Range Hydrocarbons	48	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
<b>P5/3.4-6.4</b>	<b>6/21/1997</b>	<b>6.4000001</b>	<b>Aroclor 1254</b>	<b>4</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>2.5</b>	<b>0.065</b>	<b>S</b>	<b>Yes</b>	<b>62</b>	<b>AGI 8/8/97*</b>
<b>P5/3.4-6.4</b>	<b>6/21/1997</b>	<b>6.4000001</b>	<b>PCB, total</b>	<b>4</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>8.0</b>	<b>0.065</b>	<b>S</b>	<b>Yes</b>	<b>62</b>	<b>AGI 8/8/97*</b>
P6/0.5-1.2	6/21/1997	1.2	Aroclor 1260	0.088	NA	NA	NA	NA	1.3	V	No	<1	AGI 8/8/97*
P6/0.5-1.2	6/21/1997	1.2	PCB, total	0.088	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI 8/8/97*
P6/0.5-1.2	6/21/1997	1.2	Diesel Range Hydrocarbons	17	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P6/0.5-1.2	6/21/1997	1.2	Heavy Oil Range Hydrocarbons	17	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P7/3.7-6.7	6/21/1997	6.6999998	Diesel Range Hydrocarbons	9.6	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P7/3.7-6.7	6/21/1997	6.6999998	Heavy Oil Range Hydrocarbons	58	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P9/3.6-6.6	6/21/1997	6.5999999	Diesel Range Hydrocarbons	20	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
P9/3.6-6.6	6/21/1997	6.5999999	Heavy Oil Range Hydrocarbons	57	2000	A	No	<1	NA	NA	NA	NA	AGI 8/8/97*
<b>D2-30-4.2</b>	<b>8/19/1997</b>	<b>4.1999998</b>	<b>Aroclor 1254</b>	<b>19.1</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>12</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>15</b>	<b>AGI 10/10/97*</b>
<b>D2-30-4.2</b>	<b>8/19/1997</b>	<b>4.1999998</b>	<b>PCB, total</b>	<b>19.1</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>38</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>15</b>	<b>AGI 10/10/97*</b>
D2-30-4.2	8/19/1997	4.1999998	Diesel Range Hydrocarbons	2630	2000	A	Yes	1.3	NA	NA	NA	NA	AGI 10/10/97*
<b>D2-43-4.5</b>	<b>8/19/1997</b>	<b>4.5</b>	<b>Aroclor 1254</b>	<b>15</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>9.4</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>12</b>	<b>AGI 10/10/97*</b>
<b>D2-43-4.5</b>	<b>8/19/1997</b>	<b>4.5</b>	<b>PCB, total</b>	<b>15</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>30</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>12</b>	<b>AGI 10/10/97*</b>
D2-43-4.5	8/19/1997	4.5	Diesel Range Hydrocarbons	4670	2000	A	Yes	2.3	NA	NA	NA	NA	AGI 10/10/97*
<b>E2-30-3.5</b>	<b>8/19/1997</b>	<b>3.5</b>	<b>Aroclor 1254</b>	<b>162</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>101</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>125</b>	<b>AGI 10/10/97*</b>
<b>E2-30-3.5</b>	<b>8/19/1997</b>	<b>3.5</b>	<b>Aroclor 1254</b>	<b>217</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>136</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>167</b>	<b>AGI 10/10/97*</b>
<b>E2-30-3.5</b>	<b>8/19/1997</b>	<b>3.5</b>	<b>PCB, total</b>	<b>189.5</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>379</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>146</b>	<b>AGI 10/10/97*</b>
E2-30-3.5	8/19/1997	3.5	Diesel Range Hydrocarbons	4820	2000	A	Yes	2.4	NA	NA	NA	NA	AGI 10/10/97*
E2-30-3.5	8/19/1997	3.5	Diesel Range Hydrocarbons	5250	2000	A	Yes	2.6	NA	NA	NA	NA	AGI 10/10/97*
<b>F0-70-4.5</b>	<b>8/19/1997</b>	<b>4.5</b>	<b>Aroclor 1254</b>	<b>23</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>14</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>18</b>	<b>AGI 10/10/97*</b>
<b>F0-70-4.5</b>	<b>8/19/1997</b>	<b>4.5</b>	<b>PCB, total</b>	<b>23</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>46</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>18</b>	<b>AGI 10/10/97*</b>
F0-70-4.5	8/19/1997	4.5	Diesel Range Hydrocarbons	7730	2000	A	Yes	3.9	NA	NA	NA	NA	AGI 10/10/97*
G0-40-5.2	8/19/1997	5.1999998	Aroclor 1248	0.5 U	NA	NA	NA	NA	0.065	S	RLE	7.7	AGI 10/10/97*
G0-40-5.2	8/19/1997	5.1999998	Aroclor 1260	0.5 U	NA	NA	NA	NA	0.065	S	RLE	7.7	AGI 10/10/97*
<b>G0-40-5.2</b>	<b>8/19/1997</b>	<b>5.1999998</b>	<b>Aroclor 1254</b>	<b>1.1</b>	<b>1.6</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>0.065</b>	<b>S</b>	<b>Yes</b>	<b>17</b>	<b>AGI 10/10/97*</b>
G0-40-5.2	8/19/1997	5.1999998	Diesel Range Hydrocarbons	54	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
<b>G0-40-5.2</b>	<b>8/19/1997</b>	<b>5.1999998</b>	<b>PCB, total</b>	<b>1.1</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>2.2</b>	<b>0.065</b>	<b>S</b>	<b>Yes</b>	<b>17</b>	<b>AGI 10/10/97*</b>
J2-42-4.3	8/19/1997	4.3000002	Diesel Range Hydrocarbons	1100	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
<b>J2-42-4.3</b>	<b>8/19/1997</b>	<b>4.3000002</b>	<b>Aroclor 1254</b>	<b>294</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>184</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>226</b>	<b>AGI 10/10/97*</b>
<b>J2-42-4.3</b>	<b>8/19/1997</b>	<b>4.3000002</b>	<b>PCB, total</b>	<b>294</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>588</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>226</b>	<b>AGI 10/10/97*</b>
A3-33-4.0	8/20/1997	4	Diesel Range Hydrocarbons	1930	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
<b>A3-33-4.0</b>	<b>8/20/1997</b>	<b>4</b>	<b>Aroclor 1254</b>	<b>20.2</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>13</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>16</b>	<b>AGI 10/10/97*</b>
<b>A3-33-4.0</b>	<b>8/20/1997</b>	<b>4</b>	<b>PCB, total</b>	<b>20.2</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>40</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>16</b>	<b>AGI 10/10/97*</b>
<b>F0-10-4.0</b>	<b>8/20/1997</b>	<b>4</b>	<b>Aroclor 1254</b>	<b>204</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>128</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>157</b>	<b>AGI 10/10/97*</b>
<b>F0-10-4.0</b>	<b>8/20/1997</b>	<b>4</b>	<b>Aroclor 1254</b>	<b>216</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>135</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>166</b>	<b>AGI 10/10/97*</b>
<b>F0-10-4.0</b>	<b>8/20/1997</b>	<b>4</b>	<b>PCB, total</b>	<b>210</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>420</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>162</b>	<b>AGI 10/10/97*</b>
H1-10-3.4	8/20/1997	3.4000001	Diesel Range Hydrocarbons	234	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
<b>H1-10-3.4</b>	<b>8/20/1997</b>	<b>3.4000001</b>	<b>Aroclor 1254</b>	<b>4150</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>2594</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>3192</b>	<b>AGI 10/10/97*</b>
<b>H1-10-3.4</b>	<b>8/20/1997</b>	<b>3.4000001</b>	<b>PCB, total</b>	<b>4150</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>8300</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>3192</b>	<b>AGI 10/10/97*</b>
<b>H1-10-4.9</b>	<b>8/20/1997</b>	<b>4.9000001</b>	<b>Aroclor 1254</b>	<b>1520</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>950</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>1169</b>	<b>AGI 10/10/97*</b>
<b>H1-10-4.9</b>	<b>8/20/1997</b>	<b>4.9000001</b>	<b>PCB, total</b>	<b>1520</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>3040</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>1169</b>	<b>AGI 10/10/97*</b>
H1-10-4.9	8/20/1997	4.9000001	Diesel Range Hydrocarbons	6390	2000	A	Yes	3.2	NA	NA	NA	NA	AGI 10/10/97*
<b>N. Pipe H1</b>	<b>8/20/1997</b>		<b>Aroclor 1254</b>	<b>25300</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>15813</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>19462</b>	<b>AGI 10/10/97*</b>
<b>N. Pipe H1</b>	<b>8/20/1997</b>		<b>PCB, total</b>	<b>25300</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>50600</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>19462</b>	<b>AGI 10/10/97*</b>
N. Pipe H1	8/20/1997		Diesel Range Hydrocarbons	25500	2000	A	Yes	13	NA	NA	NA	NA	AGI 10/10/97*
A4-60-2.4	8/21/1997	2.4000001	Aroclor 1254	0.6	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 10/10/97*
A4-60-2.4	8/21/1997	2.4000001	PCB, total	0.6	0.5	B, Carc	Yes	1.2	1.3	V	No	<1	AGI 10/10/97*
<b>A4-60-4.1</b>	<b>8/21/1997</b>	<b>4.0999999</b>	<b>Aroclor 1254</b>	<b>7</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>4.4</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>5.4</b>	<b>AGI 10/10/97*</b>

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
A4-60-4.1	8/21/1997	4.0999999	PCB, total	7	0.5	B, Carc	Yes	14	1.3	V	Yes	5.4	AGI 10/10/97*
AA0-44-3.9	8/21/1997	3.9000001	Aroclor 1254	12.4	1.6	B, NC	Yes	7.8	1.3	V	Yes	9.5	AGI 10/10/97*
AA0-44-3.9	8/21/1997	3.9000001	PCB, total	12.4	0.5	B, Carc	Yes	25	1.3	V	Yes	9.5	AGI 10/10/97*
B0-31-4.0	8/21/1997	4	Aroclor 1254	3.5	1.6	B, NC	Yes	2.2	1.3	V	Yes	2.7	AGI 10/10/97*
B0-31-4.0	8/21/1997	4	PCB, total	3.5	0.5	B, Carc	Yes	7.0	1.3	V	Yes	2.7	AGI 10/10/97*
B0-4.1-5.0	8/21/1997	5	Aroclor 1248	0.5 U	NA	NA	NA	NA	0.065	S	RLE	7.7	AGI 10/10/97*
B0-4.1-5.0	8/21/1997	5	Aroclor 1260	0.5 U	NA	NA	NA	NA	0.065	S	RLE	7.7	AGI 10/10/97*
B0-4.1-5.0	8/21/1997	5	Aroclor 1254	0.5 U	1.6	B, NC	No	<1	0.065	S	RLE	7.7	AGI 10/10/97*
C0-21-4.3	8/21/1997	4.3000002	Aroclor 1254	14.3	1.6	B, NC	Yes	8.9	1.3	V	Yes	11	AGI 10/10/97*
C0-21-4.3	8/21/1997	4.3000002	PCB, total	14.3	0.5	B, Carc	Yes	29	1.3	V	Yes	11	AGI 10/10/97*
D3-63-2.4	8/21/1997	2.4000001	Aroclor 1254	3.4	1.6	B, NC	Yes	2.1	1.3	V	Yes	2.6	AGI 10/10/97*
D3-63-2.4	8/21/1997	2.4000001	PCB, total	3.4	0.5	B, Carc	Yes	6.8	1.3	V	Yes	2.6	AGI 10/10/97*
E1-12-4.5	8/21/1997	4.5	Aroclor 1254	39.6	1.6	B, NC	Yes	25	1.3	V	Yes	30	AGI 10/10/97*
E1-12-4.5	8/21/1997	4.5	PCB, total	39.6	0.5	B, Carc	Yes	79	1.3	V	Yes	30	AGI 10/10/97*
B2-21-4.4	8/22/1997	4.4000001	Diesel Range Hydrocarbons	1560	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
B2-21-4.4	8/22/1997	4.4000001	Diesel Range Hydrocarbons	1510	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
G0-72-Sump	8/22/1997		Diesel Range Hydrocarbons	431	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
G0-72-Sump	8/22/1997		Aroclor 1254	5	1.6	B, NC	Yes	3.1	1.3	V	Yes	3.8	AGI 10/10/97*
G0-72-Sump	8/22/1997		PCB, total	5	0.5	B, Carc	Yes	10	1.3	V	Yes	3.8	AGI 10/10/97*
K2-(-2)-6.0	8/22/1997	6	Aroclor 1248	0.5 U	NA	NA	NA	NA	0.065	S	RLE	7.7	AGI 10/10/97*
K2-(-2)-6.0	8/22/1997	6	Aroclor 1260	0.5 U	NA	NA	NA	NA	0.065	S	RLE	7.7	AGI 10/10/97*
K2-(-2)-6.0	8/22/1997	6	Aroclor 1254	0.5 U	1.6	B, NC	No	<1	0.065	S	RLE	7.7	AGI 10/10/97*
A1-31-2.0	8/25/1997	2	Diesel Range Hydrocarbons	12	2000	A	No	<1	NA	NA	NA	NA	AGI*
A1-31-2.0	8/25/1997	2	Heavy Oil Range Hydrocarbons	15	2000	A	No	<1	NA	NA	NA	NA	AGI*
A1-31-2.0	8/25/1997	2	Aroclor 1254	2.4 E	1.6	B, NC	Yes	1.5	1.3	V	Yes	1.8	AGI*
A1-31-2.0	8/25/1997	2	Aroclor 1254	1.9	1.6	B, NC	Yes	1.2	1.3	V	Yes	1.5	AGI*
A1-31-2.0	8/25/1997	2	Aroclor 1254	3.3	1.6	B, NC	Yes	2.1	1.3	V	Yes	2.5	AGI 10/10/97*
A1-31-2.0	8/25/1997	2	PCB, total	2.6	0.5	B, Carc	Yes	5.2	1.3	V	Yes	2.0	AGI 10/10/97*
A2-82-2.5	8/25/1997	2.5	Aroclor 1254	0.022 J	1.6	B, NC	No	<1	1.3	V	No	<1	AGI*
A2-82-2.5	8/25/1997	2.5	Aroclor 1254	1.6	1.6	B, NC	No	1.0	1.3	V	Yes	1.2	AGI 10/10/97*
A2-82-2.5	8/25/1997	2.5	Diesel Range Hydrocarbons	19	2000	A	No	<1	NA	NA	NA	NA	AGI*
A2-82-2.5	8/25/1997	2.5	Heavy Oil Range Hydrocarbons	17	2000	A	No	<1	NA	NA	NA	NA	AGI*
A2-82-2.5	8/25/1997	2.5	Aroclor 1254	1.7	1.6	B, NC	Yes	1.1	1.3	V	Yes	1.3	AGI 10/10/97*
A2-82-2.5	8/25/1997	2.5	PCB, total	1.1	0.5	B, Carc	Yes	2.2	1.3	V	No	<1	AGI 10/10/97*
AA0-50-4.2	8/25/1997	4.1999998	Aroclor 1254	15.9	1.6	B, NC	Yes	9.9	1.3	V	Yes	12	AGI 10/10/97*
AA0-50-4.2	8/25/1997	4.1999998	PCB, total	15.9	0.5	B, Carc	Yes	32	1.3	V	Yes	12	AGI 10/10/97*
AA1-6200-3.7	8/25/1997	3.7	Aroclor 1248	3.7 U	NA	NA	NA	NA	1.3	V	RLE	2.8	AGI*
AA1-6200-3.7	8/25/1997	3.7	Aroclor 1260	3.7 U	NA	NA	NA	NA	1.3	V	RLE	2.8	AGI*
AA1-6200-3.7	8/25/1997	3.7	Aroclor 1016	3.7 U	5.6	B, NC	No	<1	1.3	V	RLE	2.8	AGI*
AA1-6200-3.7	8/25/1997	3.7	Heavy Oil Range Hydrocarbons	260	2000	A	No	<1	NA	NA	NA	NA	AGI*
AA1-6200-3.7	8/25/1997	3.7	Heavy Oil Range Hydrocarbons	190	2000	A	No	<1	NA	NA	NA	NA	AGI*
AA1-6200-3.7	8/25/1997	3.7	Diesel Range Hydrocarbons	4100 E	2000	A	Yes	2.1	NA	NA	NA	NA	AGI*
AA1-6200-3.7	8/25/1997	3.7	Aroclor 1254	46	1.6	B, NC	Yes	29	1.3	V	Yes	35	AGI*
AA1-6200-3.7	8/25/1997	3.7	PCB, total	46	0.5	B, Carc	Yes	92	1.3	V	Yes	35	AGI*
AA1-6200-3.7	8/25/1997	3.7	Diesel Range Hydrocarbons	4300	2000	A	Yes	2.2	NA	NA	NA	NA	AGI*
AA1-6200-3.7	8/25/1997	3.7	Gasoline Range Hydrocarbons	860	30	A	Yes	29	NA	NA	NA	NA	AGI*
AA1-62-3.7	8/25/1997	3.7	Aroclor 1248	3.6 U	NA	NA	NA	NA	1.3	V	RLE	2.8	AGI*
AA1-62-3.7	8/25/1997	3.7	Aroclor 1260	3.6 U	NA	NA	NA	NA	1.3	V	RLE	2.8	AGI*
AA1-62-3.7	8/25/1997	3.7	Aroclor 1016	3.6 U	5.6	B, NC	No	<1	1.3	V	RLE	2.8	AGI*
AA1-62-3.7	8/25/1997	3.7	Heavy Oil Range Hydrocarbons	240	2000	A	No	<1	NA	NA	NA	NA	AGI*
AA1-62-3.7	8/25/1997	3.7	Heavy Oil Range Hydrocarbons	170	2000	A	No	<1	NA	NA	NA	NA	AGI*
AA1-62-3.7	8/25/1997	3.7	Diesel Range Hydrocarbons	3900 E	2000	A	Yes	2.0	NA	NA	NA	NA	AGI*



**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
AA1-62-3.7	8/25/1997	3.7	Aroclor 1254	51	1.6	B, NC	Yes	32	1.3	V	Yes	39	AGI*
AA1-62-3.7	8/25/1997	3.7	PCB, total	55.3	0.5	B, Carc	Yes	111	1.3	V	Yes	43	AGI*
AA1-62-3.7	8/25/1997	3.7	Aroclor 1254	59.6	1.6	B, NC	Yes	37	1.3	V	Yes	46	AGI 10/10/97*
AA1-62-3.7	8/25/1997	3.7	Diesel Range Hydrocarbons	4000	2000	A	Yes	2.0	NA	NA	NA	NA	AGI*
AA1-62-3.7	8/25/1997	3.7	Gasoline Range Hydrocarbons	490	30	A	Yes	16	NA	NA	NA	NA	AGI*
AA1-62-3.7	8/25/1997	3.7	Diesel Range Hydrocarbons	5710	2000	A	Yes	2.9	NA	NA	NA	NA	AGI 10/10/97*
AA2-81-4.7	8/25/1997	4.6999998	Aroclor 1254	6.1	1.6	B, NC	Yes	3.8	1.3	V	Yes	4.7	AGI 10/10/97*
AA2-81-4.7	8/25/1997	4.6999998	Aroclor 1254	6.9	1.6	B, NC	Yes	4.3	1.3	V	Yes	5.3	AGI 10/10/97*
AA2-81-4.7	8/25/1997	4.6999998	PCB, total	6.5	0.5	B, Carc	Yes	13	1.3	V	Yes	5.0	AGI 10/10/97*
AA2-81-4.7	8/25/1997	4.6999998	Diesel Range Hydrocarbons	2940	2000	A	Yes	1.5	NA	NA	NA	NA	AGI 10/10/97*
AA2-81-4.7	8/25/1997	4.6999998	Diesel Range Hydrocarbons	3040	2000	A	Yes	1.5	NA	NA	NA	NA	AGI 10/10/97*
B0-54-4.6	8/25/1997	4.5999999	Heavy Oil Range Hydrocarbons	190	2000	A	No	<1	NA	NA	NA	NA	AGI*
B0-54-4.6	8/25/1997	4.5999999	Heavy Oil Range Hydrocarbons	90	2000	A	No	<1	NA	NA	NA	NA	AGI*
B0-54-4.6	8/25/1997	4.5999999	Aroclor 1254	8.1 E	1.6	B, NC	Yes	5.1	1.3	V	Yes	6.2	AGI*
B0-54-4.6	8/25/1997	4.5999999	Diesel Range Hydrocarbons	3800 E	2000	A	Yes	1.9	NA	NA	NA	NA	AGI*
B0-54-4.6	8/25/1997	4.5999999	Aroclor 1254	6.3	1.6	B, NC	Yes	3.9	1.3	V	Yes	4.8	AGI*
B0-54-4.6	8/25/1997	4.5999999	Aroclor 1254	8	1.6	B, NC	Yes	5.0	1.3	V	Yes	6.2	AGI 10/10/97*
B0-54-4.6	8/25/1997	4.5999999	PCB, total	7.15	0.5	B, Carc	Yes	14	1.3	V	Yes	5.5	AGI 10/10/97*
B0-54-4.6	8/25/1997	4.5999999	Diesel Range Hydrocarbons	3900	2000	A	Yes	2.0	NA	NA	NA	NA	AGI*
B0-54-4.6	8/25/1997	4.5999999	Gasoline Range Hydrocarbons	1200	30	A	Yes	40	NA	NA	NA	NA	AGI*
B0-54-4.6	8/25/1997	4.5999999	Diesel Range Hydrocarbons	6400	2000	A	Yes	3.2	NA	NA	NA	NA	AGI 10/10/97*
B2-10-3.3	8/25/1997	3.3	Aroclor 1254	0.02 J	1.6	B, NC	No	<1	1.3	V	No	<1	AGI*
B2-10-3.3	8/25/1997	3.3	PCB, total	0.02 J	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI*
B2-10-3.3	8/25/1997	3.3	Diesel Range Hydrocarbons	6	2000	A	No	<1	NA	NA	NA	NA	AGI*
B2-10-3.3	8/25/1997	3.3	Gasoline Range Hydrocarbons	18	30	A	No	<1	NA	NA	NA	NA	AGI*
B2-10-3.3	8/25/1997	3.3	Heavy Oil Range Hydrocarbons	15	2000	A	No	<1	NA	NA	NA	NA	AGI*
C1-90-2.8	8/25/1997	2.8	Diesel Range Hydrocarbons	25	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
C1-90-2.8	8/25/1997	2.8	Heavy Oil Range Hydrocarbons	49	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
D1-70-3.7	8/25/1997	3.7	Aroclor 1260	0.063	NA	NA	NA	NA	1.3	V	No	<1	AGI*
D1-70-3.7	8/25/1997	3.7	Aroclor 1254	1.3	1.6	B, NC	No	<1	1.3	V	No	1.0	AGI 10/10/97*
D1-70-3.7	8/25/1997	3.7	Diesel Range Hydrocarbons	86	2000	A	No	<1	NA	NA	NA	NA	AGI*
D1-70-3.7	8/25/1997	3.7	Heavy Oil Range Hydrocarbons	91	2000	A	No	<1	NA	NA	NA	NA	AGI*
D1-70-3.7	8/25/1997	3.7	PCB, total	1.4	0.5	B, Carc	Yes	2.7	1.3	V	No	1.0	AGI 10/10/97*
D4-21-5.0	8/25/1997	5	Aroclor 1248	0.5 U	NA	NA	NA	NA	0.065	S	RLE	7.7	AGI 10/10/97*
D4-21-5.0	8/25/1997	5	Aroclor 1260	0.5 U	NA	NA	NA	NA	0.065	S	RLE	7.7	AGI 10/10/97*
D4-21-5.0	8/25/1997	5	Diesel Range Hydrocarbons	15	2000	A	No	<1	NA	NA	NA	NA	AGI*
D4-21-5.0	8/25/1997	5	Aroclor 1254	2.2	1.6	B, NC	Yes	1.4	0.065	S	Yes	34	AGI*
D4-21-5.0	8/25/1997	5	PCB, total	3.3	0.5	B, Carc	Yes	6.6	0.065	S	Yes	51	AGI*
D4-21-5.0	8/25/1997	5	Aroclor 1254	4.4	1.6	B, NC	Yes	2.8	0.065	S	Yes	68	AGI 10/10/97*
F0-01-5.0	8/25/1997	5	Aroclor 1248	0.5 U	NA	NA	NA	NA	0.065	S	RLE	7.7	AGI 10/10/97*
F0-01-5.0	8/25/1997	5	Aroclor 1248	0.5 U	NA	NA	NA	NA	0.065	S	RLE	7.7	AGI 10/10/97*
F0-01-5.0	8/25/1997	5	Aroclor 1260	0.5 U	NA	NA	NA	NA	0.065	S	RLE	7.7	AGI 10/10/97*
F0-01-5.0	8/25/1997	5	Aroclor 1260	0.5 U	NA	NA	NA	NA	0.065	S	RLE	7.7	AGI 10/10/97*
F0-01-5.0	8/25/1997	5	Aroclor 1254	0.5 U	1.6	B, NC	No	<1	0.065	S	RLE	7.7	AGI 10/10/97*
F0-01-5.0	8/25/1997	5	Aroclor 1254	0.5 U	1.6	B, NC	No	<1	0.065	S	RLE	7.7	AGI 10/10/97*
F0-01-5.0	8/25/1997	5	Diesel Range Hydrocarbons	7.6	2000	A	No	<1	NA	NA	NA	NA	AGI*
F0-01-5.0	8/25/1997	5	Gasoline Range Hydrocarbons	15	30	A	No	<1	NA	NA	NA	NA	AGI*
I4-220-4.7	8/25/1997	4.6999998	Diesel Range Hydrocarbons	7	2000	A	No	<1	NA	NA	NA	NA	AGI*
I4-220-4.7	8/25/1997	4.6999998	Heavy Oil Range Hydrocarbons	12	2000	A	No	<1	NA	NA	NA	NA	AGI*
K2-113-3.9	8/25/1997	3.9000001	Diesel Range Hydrocarbons	90	2000	A	No	<1	NA	NA	NA	NA	AGI*
K2-113-3.9	8/25/1997	3.9000001	Heavy Oil Range Hydrocarbons	56	2000	A	No	<1	NA	NA	NA	NA	AGI*
K2-113-3.9	8/25/1997	3.9000001	Aroclor 1254	7.9 E	1.6	B, NC	Yes	4.9	1.3	V	Yes	6.1	AGI*

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
K2-113-3.9	8/25/1997	3.9000001	Aroclor 1254	4.7	1.6	B, NC	Yes	2.9	1.3	V	Yes	3.6	AGI*
K2-113-3.9	8/25/1997	3.9000001	Aroclor 1254	5.2	1.6	B, NC	Yes	3.3	1.3	V	Yes	4.0	AGI 10/10/97*
K2-113-3.9	8/25/1997	3.9000001	PCB, total	4.95	0.5	B, Carc	Yes	9.9	1.3	V	Yes	3.8	AGI 10/10/97*
K4-30-4.7	8/25/1997	4.6999998	Aroclor 1254	0.5	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 10/10/97*
K4-30-4.7	8/25/1997	4.6999998	PCB, total	0.5	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI 10/10/97*
NE3-321/CB	8/25/1997		Diesel Range Hydrocarbons	380	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
NE3-321/CB	8/25/1997		Heavy Oil Range Hydrocarbons	35	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
PCB Pipe W.	8/25/1997		Diesel Range Hydrocarbons	400	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
PCB Pipe W.	8/25/1997		Aroclor 1254	5020	1.6	B, NC	Yes	3138	1.3	V	Yes	3862	AGI 10/10/97*
PCB Pipe W.	8/25/1997		PCB, total	5020	0.5	B, Carc	Yes	10040	1.3	V	Yes	3862	AGI 10/10/97*
Trough Drain	8/25/1997		Aroclor 1260	3.2	NA	NA	NA	NA	1.3	V	Yes	2.5	AGI 10/10/97*
Trough Drain	8/25/1997		PCB, total	3.2	0.5	B, Carc	Yes	6.4	1.3	V	Yes	2.5	AGI 10/10/97*
G1-111-2.0	8/26/1997	2	Aroclor 1254	0.025 J	1.6	B, NC	No	<1	1.3	V	No	<1	AGI*
G1-111-2.0	8/26/1997	2	PCB, total	0.025 J	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI*
G1-111-2.0	8/26/1997	2	Gasoline Range Hydrocarbons	5.6	30	A	No	<1	NA	NA	NA	NA	AGI*
H2-1200-5.2	8/26/1997	5.1999998	Aroclor 1248	83 U	NA	NA	NA	NA	0.065	S	RLE	1277	AGI*
H2-1200-5.2	8/26/1997	5.1999998	Aroclor 1260	83 U	NA	NA	NA	NA	0.065	S	RLE	1277	AGI*
H2-1200-5.2	8/26/1997	5.1999998	Heavy Oil Range Hydrocarbons	160	2000	A	No	<1	NA	NA	NA	NA	AGI*
H2-1200-5.2	8/26/1997	5.1999998	Heavy Oil Range Hydrocarbons	69	2000	A	No	<1	NA	NA	NA	NA	AGI*
H2-1200-5.2	8/26/1997	5.1999998	Aroclor 1016	83 U	5.6	B, NC	RLE	15	0.066	S	RLE	1258	AGI*
H2-1200-5.2	8/26/1997	5.1999998	Diesel Range Hydrocarbons	3100 E	2000	A	Yes	1.6	NA	NA	NA	NA	AGI*
H2-1200-5.2	8/26/1997	5.1999998	Aroclor 1254	340	1.6	B, NC	Yes	213	0.065	S	Yes	5231	AGI*
H2-1200-5.2	8/26/1997	5.1999998	PCB, total	340	0.5	B, Carc	Yes	680	0.065	S	Yes	5231	AGI*
H2-1200-5.2	8/26/1997	5.1999998	Diesel Range Hydrocarbons	3100	2000	A	Yes	1.6	NA	NA	NA	NA	AGI*
H2-1200-5.2	8/26/1997	5.1999998	Gasoline Range Hydrocarbons	1200	30	A	Yes	40	NA	NA	NA	NA	AGI*
H2-12-5.2	8/26/1997	5.1999998	Aroclor 1248	82 U	NA	NA	NA	NA	0.065	S	RLE	1262	AGI*
H2-12-5.2	8/26/1997	5.1999998	Aroclor 1260	82 U	NA	NA	NA	NA	0.065	S	RLE	1262	AGI*
H2-12-5.2	8/26/1997	5.1999998	Aroclor 1248	0.5 U	NA	NA	NA	NA	0.065	S	RLE	7.7	AGI 10/10/97*
H2-12-5.2	8/26/1997	5.1999998	Aroclor 1260	0.5 U	NA	NA	NA	NA	0.065	S	RLE	7.7	AGI 10/10/97*
H2-12-5.2	8/26/1997	5.1999998	Heavy Oil Range Hydrocarbons	160	2000	A	No	<1	NA	NA	NA	NA	AGI*
H2-12-5.2	8/26/1997	5.1999998	Heavy Oil Range Hydrocarbons	70	2000	A	No	<1	NA	NA	NA	NA	AGI*
H2-12-5.2	8/26/1997	5.1999998	Aroclor 1016	82 U	5.6	B, NC	RLE	15	0.066	S	RLE	1242	AGI*
H2-12-5.2	8/26/1997	5.1999998	Diesel Range Hydrocarbons	3000 E	2000	A	Yes	1.5	NA	NA	NA	NA	AGI*
H2-12-5.2	8/26/1997	5.1999998	Aroclor 1254	380	1.6	B, NC	Yes	238	0.065	S	Yes	5846	AGI*
H2-12-5.2	8/26/1997	5.1999998	PCB, total	380	0.5	B, Carc	Yes	760	0.065	S	Yes	5846	AGI*
H2-12-5.2	8/26/1997	5.1999998	Aroclor 1254	530	1.6	B, NC	Yes	331	0.065	S	Yes	8154	AGI 10/10/97*
H2-12-5.2	8/26/1997	5.1999998	PCB, total	530	0.5	B, Carc	Yes	1060	0.065	S	Yes	8154	AGI 10/10/97*
H2-12-5.2	8/26/1997	5.1999998	Diesel Range Hydrocarbons	3000	2000	A	Yes	1.5	NA	NA	NA	NA	AGI*
H2-12-5.2	8/26/1997	5.1999998	Gasoline Range Hydrocarbons	1100	30	A	Yes	37	NA	NA	NA	NA	AGI*
H2-12-5.2	8/26/1997	5.1999998	Diesel Range Hydrocarbons	4220	2000	A	Yes	2.1	NA	NA	NA	NA	AGI 10/10/97*
I3-70-5.2	8/26/1997	5.1999998	Diesel Range Hydrocarbons	12	2000	A	No	<1	NA	NA	NA	NA	AGI*
I3-70-5.2	8/26/1997	5.1999998	Heavy Oil Range Hydrocarbons	22	2000	A	No	<1	NA	NA	NA	NA	AGI*
PCBPC-Back	8/26/1997		Aroclor 1254	6.2	1.6	B, NC	Yes	3.9	1.3	V	Yes	4.8	AGI 10/10/97*
PCBPC-Back	8/26/1997		PCB, total	6.2	0.5	B, Carc	Yes	12	1.3	V	Yes	4.8	AGI 10/10/97*
PCBPC-Int	8/26/1997		Aroclor 1254	4.5	1.6	B, NC	Yes	2.8	1.3	V	Yes	3.5	AGI 10/10/97*
PCBPC-Int	8/26/1997		PCB, total	4.5	0.5	B, Carc	Yes	9.0	1.3	V	Yes	3.5	AGI 10/10/97*
H4-51-4.6	8/27/1997	4.5999999	Aroclor 1248	21 U	NA	NA	NA	NA	1.3	V	RLE	16	AGI*
H4-51-4.6	8/27/1997	4.5999999	Aroclor 1260	21 U	NA	NA	NA	NA	1.3	V	RLE	16	AGI*
H4-51-4.6	8/27/1997	4.5999999	Diesel Range Hydrocarbons	1000	2000	A	No	<1	NA	NA	NA	NA	AGI*
H4-51-4.6	8/27/1997	4.5999999	Heavy Oil Range Hydrocarbons	66	2000	A	No	<1	NA	NA	NA	NA	AGI*
H4-51-4.6	8/27/1997	4.5999999	Aroclor 1016	21 U	5.6	B, NC	RLE	3.8	1.3	V	RLE	16	AGI*
H4-51-4.6	8/27/1997	4.5999999	Aroclor 1254	100	1.6	B, NC	Yes	63	1.3	V	Yes	77	AGI*

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
H4-51-4.6	8/27/1997	4.5999999	PCB, total	100	0.5	B, Carc	Yes	200	1.3	V	Yes	77	AGI*
H4-51-4.6	8/27/1997	4.5999999	Gasoline Range Hydrocarbons	96	30	A	Yes	3.2	NA	NA	NA	NA	AGI*
L1-40-1.8	8/27/1997	1.8	Aroclor 1254	0.12	1.6	B, NC	No	<1	1.3	V	No	<1	AGI*
L1-40-1.8	8/27/1997	1.8	PCB, total	0.12	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI*
M3-33-4.0	8/27/1997	4	Heavy Oil Range Hydrocarbons	7.7 J	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
M4-33-5.0	8/27/1997	5	Diesel Range Hydrocarbons	6.4	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
M4-33-5.0	8/27/1997	5	Heavy Oil Range Hydrocarbons	12	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
N0-30-4.0	8/27/1997	4	Heavy Oil Range Hydrocarbons	14	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
N3-33-3.5	8/27/1997	3.5	Heavy Oil Range Hydrocarbons	12	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
M3-33-4.0	8/28/1997	4	Heavy Oil Range Hydrocarbons	7.7 J	2000	A	No	<1	NA	NA	NA	NA	AGI*
M4-33-5.0	8/28/1997	5	Diesel Range Hydrocarbons	6.4	2000	A	No	<1	NA	NA	NA	NA	AGI*
M4-33-5.0	8/28/1997	5	Heavy Oil Range Hydrocarbons	12	2000	A	No	<1	NA	NA	NA	NA	AGI*
N3-30-4.0	8/28/1997	4	Heavy Oil Range Hydrocarbons	14	2000	A	No	<1	NA	NA	NA	NA	AGI*
N3-33-3.5	8/28/1997	3.5	Heavy Oil Range Hydrocarbons	12	2000	A	No	<1	NA	NA	NA	NA	AGI*
N3-33-3.5	8/28/1997	3.5	Heavy Oil Range Hydrocarbons	12	2000	A	No	<1	NA	NA	NA	NA	AGI*
3-333-23D	9/16/1997		PCB, total	77	0.5	B, Carc	Yes	154	1.3	V	Yes	59	Equipose 2/10/97*
3-333-23S	9/16/1997		PCB, total	2.9	0.5	B, Carc	Yes	5.8	1.3	V	Yes	2.2	Equipose 2/10/97*
3-333-24D	9/16/1997		PCB, total	0.75	0.5	B, Carc	Yes	1.5	1.3	V	No	<1	Equipose 2/10/97*
3-333-24S	9/16/1997		PCB, total	84	0.5	B, Carc	Yes	168	1.3	V	Yes	65	Equipose 2/10/97*
3-333-25D	9/16/1997		PCB, total	0.1	0.5	B, Carc	No	<1	1.3	V	No	<1	Equipose 2/10/97*
3-333-30S	9/16/1997		PCB, total	10	0.5	B, Carc	Yes	20	1.3	V	Yes	7.7	Equipose 2/10/97*
3-333-23A	9/23/1997		Aroclor 1254	67	1.6	B, NC	Yes	42	1.3	V	Yes	52	Equipose 2/10/97*
3-333-23A	9/23/1997		PCB, total	67	0.5	B, Carc	Yes	134	1.3	V	Yes	52	Equipose 2/10/97*
3-333-23B	9/23/1997		Aroclor 1254	3.9	1.6	B, NC	Yes	2.4	1.3	V	Yes	3.0	Equipose 2/10/97*
3-333-23B	9/23/1997		PCB, total	3.9	0.5	B, Carc	Yes	7.8	1.3	V	Yes	3.0	Equipose 2/10/97*
3-333-24A	9/23/1997		Aroclor 1254	3.1	1.6	B, NC	Yes	1.9	1.3	V	Yes	2.4	Equipose 2/10/97*
3-333-24A	9/23/1997		PCB, total	3.1	0.5	B, Carc	Yes	6.2	1.3	V	Yes	2.4	Equipose 2/10/97*
<b>Building 3-335</b>													
TP1/2.5	9/22/1998	2.5	Diesel Range Hydrocarbons	22	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
TP1/2.5	9/22/1998	2.5	Heavy Oil Range Hydrocarbons	69	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
TP13/2.0	9/22/1998	2.0	Diesel Range Hydrocarbons	14	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
TP13/2.0	9/22/1998	2.0	Heavy Oil Range Hydrocarbons	26	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
TP5/2.5	9/22/1998	2.5	Diesel Range Hydrocarbons	13	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
TP5/2.5	9/22/1998	2.5	Heavy Oil Range Hydrocarbons	43	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
TP6/2.5	9/22/1998	2.5	Diesel Range Hydrocarbons	8.2	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
TP6/2.5	9/22/1998	2.5	Heavy Oil Range Hydrocarbons	18	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
TP7/4.9	9/22/1998	4.9	Diesel Range Hydrocarbons	13	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
TP7/4.9	9/22/1998	4.9	Gasoline Range Hydrocarbons	16	30	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
TP8/4.7	9/22/1998	4.7	Diesel Range Hydrocarbons	1200	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
TP8/4.7	9/22/1998	4.7	Aroclor 1254	7.7	1.6	B, NC	Yes	4.8	1.3	V	Yes	5.9	AGI 1/15/99
TP8/4.7	9/22/1998	4.7	PCB, total	7.7	0.5	B, Carc	Yes	15	1.3	V	Yes	5.9	AGI 1/15/99
TP8/4.7	9/22/1998	4.7	Gasoline Range Hydrocarbons	560	30	A	Yes	19	NA	NA	NA	NA	AGI 1/15/99
TP9/4.3	9/22/1998	4.3	Aroclor 1254	0.96	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 1/15/99
TP9/4.3	9/22/1998	4.3	Diesel Range Hydrocarbons	9.9	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
TP9/4.3	9/22/1998	4.3	PCB, total	0.96	0.5	B, Carc	Yes	1.9	1.3	V	No	<1	AGI 1/15/99
3-335-SS1-100598	10/5/1998	1.0	Aluminum	7936	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS1-100598	10/5/1998	1.0	Calcium	4708	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS1-100598	10/5/1998	1.0	Iron	12710	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS1-100598	10/5/1998	1.0	Magnesium	2389	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS1-100598	10/5/1998	1.0	Nickel	9.6	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS1-100598	10/5/1998	1.0	Sodium	1027	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS1-100598	10/5/1998	1.0	Aroclor 1254	0.61 J	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 1/15/99

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
3-335-SS1-100598	10/5/1998	1.0	Chromium	18.68	19	A, Chromium VI	No	<1	5400	V	No	<1	AGI 1/15/99
3-335-SS1-100598	10/5/1998	1.0	Copper	12.3	3000	B, NC	No	<1	780	V	No	<1	AGI 1/15/99
3-335-SS1-100598	10/5/1998	1.0	Lead	12.65	1000	A	No	<1	1300	V	No	<1	AGI 1/15/99
3-335-SS1-100598	10/5/1998	1.0	Zinc	106.8	24000	B, NC	No	<1	770	V	No	<1	AGI 1/15/99
3-335-SS1-100598	10/5/1998	1.0	Barium	83.58	16000	B, NC	No	<1	NA	NA	NA	NA	AGI 1/15/99
3-335-SS1-100598	10/5/1998	1.0	Diesel Range Hydrocarbons	37	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
3-335-SS1-100598	10/5/1998	1.0	Heavy Oil Range Hydrocarbons	87	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
3-335-SS1-100598	10/5/1998	1.0	PCB, total	0.61 J	0.5	B, Carc	Yes	1.2	1.3	V	No	<1	AGI 1/15/99
3-335-SS2-100598	10/5/1998	1.0	Aluminum	11540	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS2-100598	10/5/1998	1.0	Calcium	11950	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS2-100598	10/5/1998	1.0	Iron	17230	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS2-100598	10/5/1998	1.0	Magnesium	3789	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS2-100598	10/5/1998	1.0	Nickel	18.32	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS2-100598	10/5/1998	1.0	Sodium	1037	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS2-100598	10/5/1998	1.0	Aroclor 1254	0.37 J	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 1/15/99
3-335-SS2-100598	10/5/1998	1.0	PCB, total	0.37 J	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI 1/15/99
3-335-SS2-100598	10/5/1998	1.0	Copper	20.98	3000	B, NC	No	<1	780	V	No	<1	AGI 1/15/99
3-335-SS2-100598	10/5/1998	1.0	Lead	21.93	1000	A	No	<1	1300	V	No	<1	AGI 1/15/99
3-335-SS2-100598	10/5/1998	1.0	Zinc	120.8	24000	B, NC	No	<1	770	V	No	<1	AGI 1/15/99
3-335-SS2-100598	10/5/1998	1.0	Barium	80.98	16000	B, NC	No	<1	NA	NA	NA	NA	AGI 1/15/99
3-335-SS2-100598	10/5/1998	1.0	Diesel Range Hydrocarbons	210	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
3-335-SS2-100598	10/5/1998	1.0	Heavy Oil Range Hydrocarbons	1000	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
3-335-SS2-100598	10/5/1998	1.0	Gasoline Range Hydrocarbons	40 U	30	A	RLE	1.3	NA	NA	NA	NA	AGI 1/15/99
3-335-SS2-100598	10/5/1998	1.0	Arsenic	5.43	0.67	B, Carc	Yes	8.1	12000	V	No	<1	AGI 1/15/99
3-335-SS2-100598	10/5/1998	1.0	Chromium	27.95	19	A, Chromium VI	Yes	<1	5400	V	No	<1	AGI 1/15/99
3-335-SS3-100598	10/5/1998	1.0	Aluminum	10060	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS3-100598	10/5/1998	1.0	Calcium	6373	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS3-100598	10/5/1998	1.0	Iron	15030	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS3-100598	10/5/1998	1.0	Magnesium	3079	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS3-100598	10/5/1998	1.0	Nickel	14.05	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS3-100598	10/5/1998	1.0	Sodium	1039	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS3-100598	10/5/1998	1.0	Aroclor 1254	0.56 J	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 1/15/99
3-335-SS3-100598	10/5/1998	1.0	Copper	19.99	3000	B, NC	No	<1	780	V	No	<1	AGI 1/15/99
3-335-SS3-100598	10/5/1998	1.0	Lead	17	1000	A	No	<1	1300	V	No	<1	AGI 1/15/99
3-335-SS3-100598	10/5/1998	1.0	Zinc	96.96	24000	B, NC	No	<1	770	V	No	<1	AGI 1/15/99
3-335-SS3-100598	10/5/1998	1.0	Barium	98.5	16000	B, NC	No	<1	NA	NA	NA	NA	AGI 1/15/99
3-335-SS3-100598	10/5/1998	1.0	Diesel Range Hydrocarbons	75	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
3-335-SS3-100598	10/5/1998	1.0	Heavy Oil Range Hydrocarbons	160	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
3-335-SS3-100598	10/5/1998	1.0	PCB, total	0.56 J	0.5	B, Carc	Yes	1.1	1.3	V	No	<1	AGI 1/15/99
3-335-SS3-100598	10/5/1998	1.0	Chromium	21.72	19	A, Chromium VI	Yes	<1	5400	V	No	<1	AGI 1/15/99
3-335-SS3-100598	10/5/1998	1.0	Gasoline Range Hydrocarbons	53	30	A	Yes	1.8	NA	NA	NA	NA	AGI 1/15/99
3-335-SS4-100598	10/5/1998	1.0	Aluminum	10400	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS4-100598	10/5/1998	1.0	Calcium	7325	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS4-100598	10/5/1998	1.0	Iron	16470	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS4-100598	10/5/1998	1.0	Magnesium	3362	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS4-100598	10/5/1998	1.0	Nickel	14.38	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS4-100598	10/5/1998	1.0	Sodium	1062	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS4-100598	10/5/1998	1.0	Aroclor 1254	0.56 J	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 1/15/99
3-335-SS4-100598	10/5/1998	1.0	Copper	19.36	3000	B, NC	No	<1	780	V	No	<1	AGI 1/15/99
3-335-SS4-100598	10/5/1998	1.0	Lead	17.42	1000	A	No	<1	1300	V	No	<1	AGI 1/15/99
3-335-SS4-100598	10/5/1998	1.0	Zinc	99.27	24000	B, NC	No	<1	770	V	No	<1	AGI 1/15/99
3-335-SS4-100598	10/5/1998	1.0	Barium	89.79	16000	B, NC	No	<1	NA	NA	NA	NA	AGI 1/15/99

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
3-335-SS4-100598	10/5/1998	1.0	Diesel Range Hydrocarbons	41	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
3-335-SS4-100598	10/5/1998	1.0	Heavy Oil Range Hydrocarbons	240	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
3-335-SS4-100598	10/5/1998	1.0	PCB, total	0.56 J	0.5	B, Carc	Yes	1.1	1.3	V	No	<1	AGI 1/15/99
3-335-SS4-100598	10/5/1998	1.0	Chromium	22.69	19	A, Chromium VI	Yes	1.2	5400	V	No	<1	AGI 1/15/99
3-335-SS-101398	10/13/1998	1.0	Aluminum	5860	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS-101398	10/13/1998	1.0	Calcium	2841	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS-101398	10/13/1998	1.0	Iron	9558	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS-101398	10/13/1998	1.0	Magnesium	1815	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS-101398	10/13/1998	1.0	Nickel	7.7	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS-101398	10/13/1998	1.0	Sodium	1006	NA	NA	NA	NA	NA	NA	NA	NA	AGI 1/15/99
3-335-SS-101398	10/13/1998	1.0	Cadmium	1.01	2	A	No	<1	34	V	No	<1	AGI 1/15/99
3-335-SS-101398	10/13/1998	1.0	Chromium	8.38	19	A, Chromium VI	No	<1	5400	V	No	<1	AGI 1/15/99
3-335-SS-101398	10/13/1998	1.0	Copper	20.07	3000	B, NC	No	<1	780	V	No	<1	AGI 1/15/99
3-335-SS-101398	10/13/1998	1.0	Lead	4.36	1000	A	No	<1	1300	V	No	<1	AGI 1/15/99
3-335-SS-101398	10/13/1998	1.0	Zinc	88.29	24000	B, NC	No	<1	770	V	No	<1	AGI 1/15/99
3-335-SS-101398	10/13/1998	1.0	Barium	114.5	16000	B, NC	No	<1	NA	NA	NA	NA	AGI 1/15/99
3-335-SS-101398	10/13/1998	1.0	PCB, total	0.63	0.5	B, Carc	Yes	1.3	1.3	V	No	<1	AGI 1/15/99
A(1)-93-7.0	10/22/1998	7.0	Aroclor 1254	0.25	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 1/15/99
A(1)-93-7.0	10/22/1998	7.0	PCB, total	0.25	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI 1/15/99
A(1)-93-7.0	10/22/1998	7.0	Diesel Range Hydrocarbons	27	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
A(1)-93-7.0	10/22/1998	7.0	Heavy Oil Range Hydrocarbons	60	2000	A	No	<1	NA	NA	NA	NA	AGI 1/15/99
<b>F&amp;G Facility</b>													
NBF-FG-9	5/7/1986	5.5	Total Petroleum Hydrocarbons	500	2000	A	No	<1	NA	NA	NA	NA	Landau 9/9/86
SB16@6.5-7	11/30/1993	6.5	Heavy Oil Range Hydrocarbons	85	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/13/94*
SB16@6.5-7	11/30/1993	6.5	Total Petroleum Hydrocarbons	110	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/13/94*
G-E-C@5.0'	6/1/1994	5	Diesel Range Hydrocarbons	1300	2000	A	No	<1	NA	NA	NA	NA	Not Recorded*
G-E-C@5.0'	6/1/1994	5	Diesel Range Hydrocarbons	800	2000	A	No	<1	NA	NA	NA	NA	Not Recorded*
G-N-EC@5.5'	6/1/1994	5.5	Diesel Range Hydrocarbons	240	2000	A	No	<1	NA	NA	NA	NA	Not Recorded*
G-N-EC@5.5'	6/1/1994	5.5	Diesel Range Hydrocarbons	58	2000	A	No	<1	NA	NA	NA	NA	Not Recorded*
G-S-WC@3.5'	6/1/1994	3.5	Diesel Range Hydrocarbons	100	2000	A	No	<1	NA	NA	NA	NA	Not Recorded*
G-S-WC@3.5'	6/1/1994	3.5	Diesel Range Hydrocarbons	58	2000	A	No	<1	NA	NA	NA	NA	Not Recorded*
Stockpile-7	6/2/1994		Benzene	0.055 U	0.03	A	RLE	1.8	NA	NA	NA	NA	Not Recorded*
PP-W-N	6/3/1994		Diesel Range Hydrocarbons	88	2000	A	No	<1	NA	NA	NA	NA	Not Recorded*
PP-W-N	6/3/1994		Heavy Oil Range Hydrocarbons	150	2000	A	No	<1	NA	NA	NA	NA	Not Recorded*
PP-W-N	6/3/1994		Total Petroleum Hydrocarbons	170	2000	A	No	<1	NA	NA	NA	NA	Not Recorded*
PP-W-N	6/3/1994		Total Petroleum Hydrocarbons	57	2000	A	No	<1	NA	NA	NA	NA	Not Recorded*
<b>Building 3-304</b>													
SS-304-1(1')	10/31/2000	1	MBK (2-Hexanone)	7.7 B	NA	NA	NA	NA	NA	NA	NA	NA	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Aroclor 1260	0.65	NA	NA	NA	NA	1.3	V	No	<1	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	1,2,4-Trichlorobenzene	5.8 U	800	B, NC	No	<1	0.046	V	RLE	126	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	1,2-Dichlorobenzene	1.2 U	7200	B, NC	No	<1	0.068	V	RLE	18	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	1,4-Dichlorobenzene	1.2 U	42	B, Carc	No	<1	0.27	V	RLE	4.4	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Hexachlorobutadiene	5.8 U	13	B, Carc	No	<1	0.15	V	RLE	39	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Aroclor 1254	0.65	1.6	B, NC	No	<1	1.3	V	No	<1	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Cadmium	1.6	2	A	No	<1	34	V	No	<1	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Lead	81	1000	A	No	<1	1300	V	No	<1	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Barium	56.4	16000	B, NC	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Diesel Range Hydrocarbons	48	2000	A	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Heavy Oil Range Hydrocarbons	160	2000	A	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Xylenes, m&p-	1.5	9	A	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Naphthalene	5.8 U	5	A	RLE	1.2	3.8	V	RLE	1.5	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Arsenic	5 U	0.67	B, Carc	RLE	7.5	12000	V	No	<1	CDM 12/27/00

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
SS-304-1(1')	10/31/2000	1	1,2,3-Trichloropropane	2.3 U	0.14	B, Carc	RLE	16	NA	NA	NA	NA	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	1,2-Dibromo-3-chloropropane	5.8 U	0.71	B, Carc	RLE	8.2	NA	NA	NA	NA	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Acrylonitrile	5.8 U	1.9	B, Carc	RLE	3.1	NA	NA	NA	NA	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Benzene	1.2 U	0.03	A	RLE	40	NA	NA	NA	NA	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Ethylene Dibromide	1.2 U	0.005	A	RLE	240	NA	NA	NA	NA	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Methylene Chloride	3.5 U	0.02	A	RLE	175	NA	NA	NA	NA	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Tetrachloroethene	1.2 U	0.05	A	RLE	24	NA	NA	NA	NA	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Trichloroethene	1.2 U	0.03	A	RLE	40	NA	NA	NA	NA	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Vinyl Chloride	1.2 U	0.67	B, Carc	RLE	1.8	NA	NA	NA	NA	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Mercury	5.1	2	A	Yes	2.6	0.59	V	Yes	8.6	CDM 12/27/00
SS-304-1(1')	10/31/2000	1	Chromium	34.6	19	A, Chromium VI	Yes	1.8	5400	V	No	<1	CDM 12/27/00
SS-304-1D(1')	10/31/2000	1	Diesel Range Hydrocarbons	47	2000	A	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-1D(1')	10/31/2000	1	Heavy Oil Range Hydrocarbons	140	2000	A	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	1,2,4-Trichlorobenzene	6.8 U	800	B, NC	No	<1	0.046	V	RLE	148	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	1,2-Dichlorobenzene	1.4 U	7200	B, NC	No	<1	0.068	V	RLE	21	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	1,4-Dichlorobenzene	1.4 U	42	B, Carc	No	<1	0.27	V	RLE	5.2	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	Hexachlorobutadiene	6.8 U	13	B, Carc	No	<1	0.15	V	RLE	45	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	Lead	8	1000	A	No	<1	1300	V	No	<1	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	Mercury	0.05	2	A	No	<1	0.59	V	No	<1	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	Silver	0.5	400	B, NC	No	<1	12	V	No	<1	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	Barium	65.4	16000	B, NC	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	Diesel Range Hydrocarbons	300	2000	A	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	Heavy Oil Range Hydrocarbons	730	2000	A	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	Naphthalene	6.8 U	5	A	RLE	1.4	3.8	V	RLE	1.8	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	Arsenic	6 U	0.67	B, Carc	RLE	9.0	12000	V	No	<1	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	1,2,3-Trichloropropane	2.7 U	0.14	B, Carc	RLE	19	NA	NA	NA	NA	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	1,2-Dibromo-3-chloropropane	6.8 U	0.71	B, Carc	RLE	9.6	NA	NA	NA	NA	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	Acrylonitrile	6.8 U	1.9	B, Carc	RLE	3.6	NA	NA	NA	NA	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	Benzene	1.4 U	0.03	A	RLE	47	NA	NA	NA	NA	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	Ethylene Dibromide	1.4 U	0.005	A	RLE	280	NA	NA	NA	NA	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	Methylene Chloride	4.1 U	0.02	A	RLE	205	NA	NA	NA	NA	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	Tetrachloroethene	1.4 U	0.05	A	RLE	28	NA	NA	NA	NA	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	Trichloroethene	1.4 U	0.03	A	RLE	47	NA	NA	NA	NA	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	Vinyl Chloride	1.4 U	0.67	B, Carc	RLE	2.1	NA	NA	NA	NA	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	Chromium	20.3	19	A, Chromium VI	Yes	1.1	5400	V	No	<1	CDM 12/27/00
SS-304-2(1')	10/31/2000	1	PCB, total	1.3	0.5	B, Carc	Yes	2.6	1.3	V	No	1.0	CDM 12/27/00
SS-304-3(3')	10/31/2000	3	1,2,4-Trichlorobenzene	5.2 U	800	B, NC	No	<1	0.046	V	RLE	113	CDM 12/27/00
SS-304-3(3')	10/31/2000	3	1,2-Dichlorobenzene	1.0 U	7200	B, NC	No	<1	0.068	V	RLE	15	CDM 12/27/00
SS-304-3(3')	10/31/2000	3	1,4-Dichlorobenzene	1.0 U	42	B, Carc	No	<1	0.27	V	RLE	3.7	CDM 12/27/00
SS-304-3(3')	10/31/2000	3	Hexachlorobutadiene	5.2 U	13	B, Carc	No	<1	0.15	V	RLE	35	CDM 12/27/00
SS-304-3(3')	10/31/2000	3	Naphthalene	5.2 U	5	A	No	1.0	3.8	V	RLE	1.4	CDM 12/27/00
SS-304-3(3')	10/31/2000	3	Chromium	12.7	19	A, Chromium VI	No	<1	5400	V	No	<1	CDM 12/27/00
SS-304-3(3')	10/31/2000	3	Lead	3	1000	A	No	<1	1300	V	No	<1	CDM 12/27/00
SS-304-3(3')	10/31/2000	3	Barium	21.7	16000	B, NC	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-3(3')	10/31/2000	3	Arsenic	5 U	0.67	B, Carc	RLE	7.5	12000	V	No	<1	CDM 12/27/00
SS-304-3(3')	10/31/2000	3	1,2,3-Trichloropropane	2.1 U	0.14	B, Carc	RLE	15	NA	NA	NA	NA	CDM 12/27/00
SS-304-3(3')	10/31/2000	3	1,2-Dibromo-3-chloropropane	5.2 U	0.71	B, Carc	RLE	7.3	NA	NA	NA	NA	CDM 12/27/00
SS-304-3(3')	10/31/2000	3	Acrylonitrile	5.2 U	1.9	B, Carc	RLE	2.7	NA	NA	NA	NA	CDM 12/27/00
SS-304-3(3')	10/31/2000	3	Benzene	1.0 U	0.03	A	RLE	33	NA	NA	NA	NA	CDM 12/27/00
SS-304-3(3')	10/31/2000	3	Ethylene Dibromide	1.0 U	0.005	A	RLE	200	NA	NA	NA	NA	CDM 12/27/00
SS-304-3(3')	10/31/2000	3	Methylene Chloride	3.1 U	0.02	A	RLE	155	NA	NA	NA	NA	CDM 12/27/00
SS-304-3(3')	10/31/2000	3	Tetrachloroethene	1.0 U	0.05	A	RLE	20	NA	NA	NA	NA	CDM 12/27/00



**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
SS-304-3(3')	10/31/2000	3	Trichloroethene	1.0 U	0.03	A	RLE	33	NA	NA	NA	NA	CDM 12/27/00
SS-304-3(3')	10/31/2000	3	Vinyl Chloride	1.0 U	0.67	B, Carc	RLE	1.5	NA	NA	NA	NA	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	1,2,4-Trichlorobenzene	5.4 U	800	B, NC	No	<1	0.046	V	RLE	117	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	1,2-Dichlorobenzene	1.1 U	7200	B, NC	No	<1	0.068	V	RLE	16	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	1,4-Dichlorobenzene	1.1 U	42	B, Carc	No	<1	0.27	V	RLE	4.1	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	Hexachlorobutadiene	5.4 U	13	B, Carc	No	<1	0.15	V	RLE	36	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	Chromium	12.1	19	A, Chromium VI	No	<1	5400	V	No	<1	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	Lead	3	1000	A	No	<1	1300	V	No	<1	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	Barium	22.4	16000	B, NC	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	Diesel Range Hydrocarbons	22	2000	A	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	Heavy Oil Range Hydrocarbons	41	2000	A	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	Naphthalene	5.4 U	5	A	RLE	1.1	3.8	V	RLE	1.4	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	Arsenic	5 U	0.67	B, Carc	RLE	7.5	12000	V	No	<1	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	1,2,3-Trichloropropane	2.2 U	0.14	B, Carc	RLE	16	NA	NA	NA	NA	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	1,2-Dibromo-3-chloropropane	5.4 U	0.71	B, Carc	RLE	7.6	NA	NA	NA	NA	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	Acrylonitrile	5.4 U	1.9	B, Carc	RLE	2.8	NA	NA	NA	NA	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	Benzene	1.1 U	0.03	A	RLE	37	NA	NA	NA	NA	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	Ethylene Dibromide	1.1 U	0.005	A	RLE	220	NA	NA	NA	NA	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	Methylene Chloride	3.2 U	0.02	A	RLE	160	NA	NA	NA	NA	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	Tetrachloroethene	1.1 U	0.05	A	RLE	22	NA	NA	NA	NA	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	Trichloroethene	1.1 U	0.03	A	RLE	37	NA	NA	NA	NA	CDM 12/27/00
SS-304-4(4')	10/31/2000	4	Vinyl Chloride	1.1 U	0.67	B, Carc	RLE	1.6	NA	NA	NA	NA	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	1,2,4-Trichlorobenzene	5.3 U	800	B, NC	No	<1	0.046	V	RLE	115	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	1,2-Dichlorobenzene	1.1 U	7200	B, NC	No	<1	0.068	V	RLE	16	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	1,4-Dichlorobenzene	1.1 U	42	B, Carc	No	<1	0.27	V	RLE	4.1	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	Hexachlorobutadiene	5.3 U	13	B, Carc	No	<1	0.15	V	RLE	35	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	Chromium	12.8	19	A, Chromium VI	No	<1	5400	V	No	<1	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	Lead	3	1000	A	No	<1	1300	V	No	<1	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	Barium	19.7	16000	B, NC	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	Diesel Range Hydrocarbons	16	2000	A	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	Heavy Oil Range Hydrocarbons	48	2000	A	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	Naphthalene	5.3 U	5	A	RLE	1.1	3.8	V	RLE	1.4	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	Arsenic	5 U	0.67	B, Carc	RLE	7.5	12000	V	No	<1	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	1,2,3-Trichloropropane	2.1 U	0.14	B, Carc	RLE	15	NA	NA	NA	NA	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	1,2-Dibromo-3-chloropropane	5.3 U	0.71	B, Carc	RLE	7.5	NA	NA	NA	NA	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	Acrylonitrile	5.3 U	1.9	B, Carc	RLE	2.8	NA	NA	NA	NA	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	Benzene	1.1 U	0.03	A	RLE	37	NA	NA	NA	NA	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	Ethylene Dibromide	1.1 U	0.005	A	RLE	220	NA	NA	NA	NA	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	Methylene Chloride	3.2 U	0.02	A	RLE	160	NA	NA	NA	NA	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	Tetrachloroethene	1.1 U	0.05	A	RLE	22	NA	NA	NA	NA	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	Trichloroethene	1.1 U	0.03	A	RLE	37	NA	NA	NA	NA	CDM 12/27/00
SS-304-5(3')	10/31/2000	3	Vinyl Chloride	1.1 U	0.67	B, Carc	RLE	1.6	NA	NA	NA	NA	CDM 12/27/00
SS-304-6(4')	10/31/2000	4	1,2,4-Trichlorobenzene	5.4 U	800	B, NC	No	<1	0.046	V	RLE	117	CDM 12/27/00
SS-304-6(4')	10/31/2000	4	1,2-Dichlorobenzene	1.1 U	7200	B, NC	No	<1	0.068	V	RLE	16	CDM 12/27/00
SS-304-6(4')	10/31/2000	4	1,4-Dichlorobenzene	1.1 U	42	B, Carc	No	<1	0.27	V	RLE	4.1	CDM 12/27/00
SS-304-6(4')	10/31/2000	4	Hexachlorobutadiene	5.4 U	13	B, Carc	No	<1	0.15	V	RLE	36	CDM 12/27/00
SS-304-6(4')	10/31/2000	4	Chromium	12.5	19	A, Chromium VI	No	<1	5400	V	No	<1	CDM 12/27/00
SS-304-6(4')	10/31/2000	4	Lead	3	1000	A	No	<1	1300	V	No	<1	CDM 12/27/00
SS-304-6(4')	10/31/2000	4	Barium	21.1	16000	B, NC	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-6(4')	10/31/2000	4	Naphthalene	5.4 U	5	A	RLE	1.1	3.8	V	RLE	1.4	CDM 12/27/00
SS-304-6(4')	10/31/2000	4	Arsenic	5 U	0.67	B, Carc	RLE	7.5	12000	V	No	<1	CDM 12/27/00
SS-304-6(4')	10/31/2000	4	1,2,3-Trichloropropane	2.2 U	0.14	B, Carc	RLE	16	NA	NA	NA	NA	CDM 12/27/00



**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
SS-304-6(4')	10/31/2000	4	1,2-Dibromo-3-chloropropane	5.4 U	0.71	B, Carc	RLE	7.6	NA	NA	NA	NA	CDM 12/27/00
SS-304-6(4')	10/31/2000	4	Acrylonitrile	5.4 U	1.9	B, Carc	RLE	2.8	NA	NA	NA	NA	CDM 12/27/00
SS-304-6(4')	10/31/2000	4	Benzene	1.1 U	0.03	A	RLE	37	NA	NA	NA	NA	CDM 12/27/00
SS-304-6(4')	10/31/2000	4	Ethylene Dibromide	1.1 U	0.005	A	RLE	220	NA	NA	NA	NA	CDM 12/27/00
SS-304-6(4')	10/31/2000	4	Methylene Chloride	3.2 U	0.02	A	RLE	160	NA	NA	NA	NA	CDM 12/27/00
SS-304-6(4')	10/31/2000	4	Tetrachloroethene	1.1 U	0.05	A	RLE	22	NA	NA	NA	NA	CDM 12/27/00
SS-304-6(4')	10/31/2000	4	Trichloroethene	1.1 U	0.03	A	RLE	37	NA	NA	NA	NA	CDM 12/27/00
SS-304-6(4')	10/31/2000	4	Vinyl Chloride	1.1 U	0.67	B, Carc	RLE	1.6	NA	NA	NA	NA	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	1,2,4-Trichlorobenzene	5.4 U	800	B, NC	No	<1	0.046	V	RLE	117	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	1,2-Dichlorobenzene	1.1 U	7200	B, NC	No	<1	0.068	V	RLE	16	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	1,4-Dichlorobenzene	1.1 U	42	B, Carc	No	<1	0.27	V	RLE	4.1	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	Hexachlorobutadiene	5.4 U	13	B, Carc	No	<1	0.15	V	RLE	36	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	Chromium	12.1	19	A, Chromium VI	No	<1	5400	V	No	<1	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	Lead	3	1000	A	No	<1	1300	V	No	<1	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	Barium	22.1	16000	B, NC	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	Diesel Range Hydrocarbons	11	2000	A	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	Heavy Oil Range Hydrocarbons	16	2000	A	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	Naphthalene	5.4 U	5	A	RLE	1.1	3.8	V	RLE	1.4	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	Arsenic	5 U	0.67	B, Carc	RLE	7.5	12000	V	No	<1	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	1,2,3-Trichloropropane	2.2 U	0.14	B, Carc	RLE	16	NA	NA	NA	NA	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	1,2-Dibromo-3-chloropropane	5.4 U	0.71	B, Carc	RLE	7.6	NA	NA	NA	NA	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	Acrylonitrile	5.4 U	1.9	B, Carc	RLE	2.8	NA	NA	NA	NA	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	Benzene	1.1 U	0.03	A	RLE	37	NA	NA	NA	NA	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	Ethylene Dibromide	1.1 U	0.005	A	RLE	220	NA	NA	NA	NA	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	Methylene Chloride	3.2 U	0.02	A	RLE	160	NA	NA	NA	NA	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	Tetrachloroethene	1.1 U	0.05	A	RLE	22	NA	NA	NA	NA	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	Trichloroethene	1.1 U	0.03	A	RLE	37	NA	NA	NA	NA	CDM 12/27/00
SS-304-6D(4')	10/31/2000	4	Vinyl Chloride	1.1 U	0.67	B, Carc	RLE	1.6	NA	NA	NA	NA	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	1,2,4-Trichlorobenzene	5.8 U	800	B, NC	No	<1	0.046	V	RLE	126	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	1,2-Dichlorobenzene	1.2 U	7200	B, NC	No	<1	0.068	V	RLE	18	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	1,4-Dichlorobenzene	1.2 U	42	B, Carc	No	<1	0.27	V	RLE	4.4	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	Hexachlorobutadiene	5.8 U	13	B, Carc	No	<1	0.15	V	RLE	39	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	Chromium	17.7	19	A, Chromium VI	No	<1	5400	V	No	<1	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	Lead	5	1000	A	No	<1	1300	V	No	<1	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	Mercury	0.05	2	A	No	<1	0.59	V	No	<1	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	Barium	51.7	16000	B, NC	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	Heavy Oil Range Hydrocarbons	11	2000	A	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	Toluene	1.4	7	A	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	Naphthalene	5.8 U	5	A	RLE	1.2	3.8	V	RLE	1.5	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	Arsenic	6 U	0.67	B, Carc	RLE	9.0	12000	V	No	<1	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	1,2,3-Trichloropropane	2.3 U	0.14	B, Carc	RLE	16	NA	NA	NA	NA	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	1,2-Dibromo-3-chloropropane	5.8 U	0.71	B, Carc	RLE	8.2	NA	NA	NA	NA	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	Acrylonitrile	5.8 U	1.9	B, Carc	RLE	3.1	NA	NA	NA	NA	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	Benzene	1.2 U	0.03	A	RLE	40	NA	NA	NA	NA	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	Ethylene Dibromide	1.2 U	0.005	A	RLE	240	NA	NA	NA	NA	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	Methylene Chloride	3.5 U	0.02	A	RLE	175	NA	NA	NA	NA	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	Tetrachloroethene	1.2 U	0.05	A	RLE	24	NA	NA	NA	NA	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	Trichloroethene	1.2 U	0.03	A	RLE	40	NA	NA	NA	NA	CDM 12/27/00
SS-304-7(1.8')	10/31/2000	1.8	Vinyl Chloride	1.2 U	0.67	B, Carc	RLE	1.8	NA	NA	NA	NA	CDM 12/27/00
SS-304-8(3')	10/31/2000	3	1,2,4-Trichlorobenzene	5.2 U	800	B, NC	No	<1	0.046	V	RLE	113	CDM 12/27/00
SS-304-8(3')	10/31/2000	3	1,2-Dichlorobenzene	1.0 U	7200	B, NC	No	<1	0.068	V	RLE	15	CDM 12/27/00
SS-304-8(3')	10/31/2000	3	1,4-Dichlorobenzene	1.0 U	42	B, Carc	No	<1	0.27	V	RLE	3.7	CDM 12/27/00

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
SS-304-8(3')	10/31/2000	3	Hexachlorobutadiene	5.2 U	13	B, Carc	No	<1	0.15	V	RLE	35	CDM 12/27/00
SS-304-8(3')	10/31/2000	3	Naphthalene	5.2 U	5	A	No	1.0	3.8	V	RLE	1.4	CDM 12/27/00
SS-304-8(3')	10/31/2000	3	Chromium	11.8	19	A, Chromium VI	No	<1	5400	V	No	<1	CDM 12/27/00
SS-304-8(3')	10/31/2000	3	Lead	4	1000	A	No	<1	1300	V	No	<1	CDM 12/27/00
SS-304-8(3')	10/31/2000	3	Barium	61.5	16000	B, NC	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-8(3')	10/31/2000	3	Diesel Range Hydrocarbons	20	2000	A	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-8(3')	10/31/2000	3	Heavy Oil Range Hydrocarbons	100	2000	A	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-8(3')	10/31/2000	3	Arsenic	5 U	0.67	B, Carc	RLE	7.5	12000	V	No	<1	CDM 12/27/00
SS-304-8(3')	10/31/2000	3	1,2,3-Trichloropropane	2.1 U	0.14	B, Carc	RLE	15	NA	NA	NA	NA	CDM 12/27/00
SS-304-8(3')	10/31/2000	3	1,2-Dibromo-3-chloropropane	5.2 U	0.71	B, Carc	RLE	7.3	NA	NA	NA	NA	CDM 12/27/00
SS-304-8(3')	10/31/2000	3	Acrylonitrile	5.2 U	1.9	B, Carc	RLE	2.7	NA	NA	NA	NA	CDM 12/27/00
SS-304-8(3')	10/31/2000	3	Benzene	1.0 U	0.03	A	RLE	33	NA	NA	NA	NA	CDM 12/27/00
SS-304-8(3')	10/31/2000	3	Ethylene Dibromide	1.0 U	0.005	A	RLE	200	NA	NA	NA	NA	CDM 12/27/00
SS-304-8(3')	10/31/2000	3	Methylene Chloride	3.1 U	0.02	A	RLE	155	NA	NA	NA	NA	CDM 12/27/00
SS-304-8(3')	10/31/2000	3	Tetrachloroethene	1.0 U	0.05	A	RLE	20	NA	NA	NA	NA	CDM 12/27/00
SS-304-8(3')	10/31/2000	3	Trichloroethene	1.0 U	0.03	A	RLE	33	NA	NA	NA	NA	CDM 12/27/00
SS-304-8(3')	10/31/2000	3	Vinyl Chloride	1.0 U	0.67	B, Carc	RLE	1.5	NA	NA	NA	NA	CDM 12/27/00
SS-304-9(4')	10/31/2000	4	1,2,4-Trichlorobenzene	5.1 U	800	B, NC	No	<1	0.046	V	RLE	111	CDM 12/27/00
SS-304-9(4')	10/31/2000	4	1,2-Dichlorobenzene	1.0 U	7200	B, NC	No	<1	0.068	V	RLE	15	CDM 12/27/00
SS-304-9(4')	10/31/2000	4	1,4-Dichlorobenzene	1.0 U	42	B, Carc	No	<1	0.27	V	RLE	3.7	CDM 12/27/00
SS-304-9(4')	10/31/2000	4	Hexachlorobutadiene	5.1 U	13	B, Carc	No	<1	0.15	V	RLE	34	CDM 12/27/00
SS-304-9(4')	10/31/2000	4	Naphthalene	5.1 U	5	A	No	1.0	3.8	V	RLE	1.3	CDM 12/27/00
SS-304-9(4')	10/31/2000	4	Chromium	13.1	19	A, Chromium VI	No	<1	5400	V	No	<1	CDM 12/27/00
SS-304-9(4')	10/31/2000	4	Lead	3	1000	A	No	<1	1300	V	No	<1	CDM 12/27/00
SS-304-9(4')	10/31/2000	4	Barium	20.3	16000	B, NC	No	<1	NA	NA	NA	NA	CDM 12/27/00
SS-304-9(4')	10/31/2000	4	Arsenic	5 U	0.67	B, Carc	RLE	7.5	12000	V	No	<1	CDM 12/27/00
SS-304-9(4')	10/31/2000	4	1,2,3-Trichloropropane	2.0 U	0.14	B, Carc	RLE	14	NA	NA	NA	NA	CDM 12/27/00
SS-304-9(4')	10/31/2000	4	1,2-Dibromo-3-chloropropane	5.1 U	0.71	B, Carc	RLE	7.2	NA	NA	NA	NA	CDM 12/27/00
SS-304-9(4')	10/31/2000	4	Acrylonitrile	5.1 U	1.9	B, Carc	RLE	2.7	NA	NA	NA	NA	CDM 12/27/00
SS-304-9(4')	10/31/2000	4	Benzene	1.0 U	0.03	A	RLE	33	NA	NA	NA	NA	CDM 12/27/00
SS-304-9(4')	10/31/2000	4	Ethylene Dibromide	1.0 U	0.005	A	RLE	200	NA	NA	NA	NA	CDM 12/27/00
SS-304-9(4')	10/31/2000	4	Methylene Chloride	3.1 U	0.02	A	RLE	155	NA	NA	NA	NA	CDM 12/27/00
SS-304-9(4')	10/31/2000	4	Tetrachloroethene	1.0 U	0.05	A	RLE	20	NA	NA	NA	NA	CDM 12/27/00
SS-304-9(4')	10/31/2000	4	Trichloroethene	1.0 U	0.03	A	RLE	33	NA	NA	NA	NA	CDM 12/27/00
SS-304-9(4')	10/31/2000	4	Vinyl Chloride	1.0 U	0.67	B, Carc	RLE	1.5	NA	NA	NA	NA	CDM 12/27/00
S4	11/5/2001	5.0	1,2,4-Trichlorobenzene	0.061 U	800	B, NC	No	<1	0.046	V	RLE	1.3	CDM 12/14/01
S4	11/5/2001	5.0	Chromium	12.4	19	A, Chromium VI	No	<1	5400	V	No	<1	CDM 12/14/01
S4	11/5/2001	5.0	Lead	5	1000	A	No	<1	1300	V	No	<1	CDM 12/14/01
S4	11/5/2001	5.0	Diesel Range Hydrocarbons	300	2000	A	No	<1	NA	NA	NA	NA	CDM 12/14/01
S4	11/5/2001	5.0	Diesel Range Hydrocarbons	280	2000	A	No	<1	NA	NA	NA	NA	CDM 12/14/01
S4	11/5/2001	5.0	Heavy Oil Range Hydrocarbons	100	2000	A	No	<1	NA	NA	NA	NA	CDM 12/14/01
S4	11/5/2001	5.0	Heavy Oil Range Hydrocarbons	81	2000	A	No	<1	NA	NA	NA	NA	CDM 12/14/01
S4	11/5/2001	5.0	Ethylene Dibromide	0.012 U	0.005	A	RLE	2.4	NA	NA	NA	NA	CDM 12/14/01
S4	11/5/2001	5.0	Methylene Chloride	0.037 U	0.02	A	RLE	1.9	NA	NA	NA	NA	CDM 12/14/01
S4	11/5/2001	5.0	Aroclor 1254	1.8	1.6	B, NC	Yes	1.1	1.3	V	Yes	1.4	CDM 12/14/01
S4	11/5/2001	5.0	PCB, total	1.8	0.5	B, Carc	Yes	3.6	1.3	V	Yes	1.38	CDM 12/14/01
S4	11/5/2001	5.0	Arsenic	8	0.67	B, Carc	Yes	12	12000	V	No	<1	CDM 12/14/01
S4	11/5/2001	5.0	Gasoline Range Hydrocarbons	67	30	A	Yes	2.2	NA	NA	NA	NA	CDM 12/14/01
S4	11/5/2001	5.0	Gasoline Range Hydrocarbons	92	30	A	Yes	3.1	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	Dibenz(a,h)anthracene	0.081 U	NA	NA	NA	NA	0.033	S	RLE	2.5	CDM 12/14/01
S5	11/5/2001	6.0	4-Isopropyltoluene	0.92	NA	NA	NA	NA	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	n-Butylbenzene	1.5	NA	NA	NA	NA	NA	NA	NA	NA	CDM 12/14/01

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
S5	11/5/2001	6.0	n-Propylbenzene	0.940	NA	NA	NA	NA	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	sec-Butylbenzene	0.83	NA	NA	NA	NA	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	Chromium VI	0.14 J	19	A, Chromium VI	No	<1	270	S	No	<1	CDM 12/14/01
S5	11/5/2001	6.0	1,2,4-Trichlorobenzene	1.6 U	800	B, NC	No	<1	0.0025	S	RLE	640	CDM 12/14/01
S5	11/5/2001	6.0	1,2-Dichlorobenzene	0.320 U	7200	B, NC	No	<1	0.0038	S	RLE	84	CDM 12/14/01
S5	11/5/2001	6.0	1,4-Dichlorobenzene	0.320 U	42	B, Carc	No	<1	0.015	S	RLE	21	CDM 12/14/01
S5	11/5/2001	6.0	Naphthalene	1.6 U	5	A	No	<1	0.20	S	RLE	8.0	CDM 12/14/01
S5	11/5/2001	6.0	Hexachlorobutadiene	1.6	13	B, Carc	No	<1	0.0080	S	Yes	200	CDM 12/14/01
S5	11/5/2001	6.0	Chromium	11.7	19	A, Chromium VI	No	<1	270	S	No	<1	CDM 12/14/01
S5	11/5/2001	6.0	Lead	19	1000	A	No	<1	67	S	No	<1	CDM 12/14/01
S5	11/5/2001	6.0	1,2,4-Trimethylbenzene	6.3	4000	B, NC	No	<1	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	1,3,5-Trimethylbenzene	1.4	4000	B, NC	No	<1	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	Diesel Range Hydrocarbons	160	2000	A	No	<1	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	Diesel Range Hydrocarbons	140	2000	A	No	<1	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	Ethylbenzene	0.35	6	A	No	<1	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	Heavy Oil Range Hydrocarbons	130	2000	A	No	<1	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	Isopropylbenzene (Cumene)	0.330	8000	B, NC	No	<1	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	Xylenes, m&p-	0.35	9	A	No	<1	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	1,2,3-Trichloropropane	0.630 U	0.14	B, Carc	RLE	4.5	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	1,2-Dibromo-3-chloropropane	1.6 U	0.71	B, Carc	RLE	2.3	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	Benzene	0.32 U	0.03	A	RLE	11	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	Ethylene Dibromide	0.320 U	0.005	A	RLE	64	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	Methylene Chloride	0.95 U	0.02	A	RLE	48	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	Metyl tert-Butyl Ether	0.320 U	0.10	A	RLE	3.2	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	Tetrachloroethene	0.32 U	0.05	A	RLE	6.4	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	Trichloroethene	0.32 U	0.03	A	RLE	11	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	Mercury	2.68	2	A	Yes	1.3	0.030	S	Yes	89	CDM 12/14/01
S5	11/5/2001	6.0	Arsenic	11	0.67	B, Carc	Yes	16	590	S	No	<1	CDM 12/14/01
S5	11/5/2001	6.0	Gasoline Range Hydrocarbons	660	30	A	Yes	22	NA	NA	NA	NA	CDM 12/14/01
S5	11/5/2001	6.0	Gasoline Range Hydrocarbons	1100	30	A	Yes	37	NA	NA	NA	NA	CDM 12/14/01
<b>Tanks BF-4, BF-5, &amp; BF-6</b>													
B-1	10/20/2006	9.0	Heavy Oil Range Hydrocarbons	1300	2000	A	No	<1	NA	NA	NA	NA	EFI Global 11/12/06
B-10	10/20/2006	4.0	Heavy Oil Range Hydrocarbons	200	2000	A	No	<1	NA	NA	NA	NA	EFI Global 11/12/06
B-2	10/20/2006	9.0	Heavy Oil Range Hydrocarbons	1200	2000	A	No	<1	NA	NA	NA	NA	EFI Global 11/12/06
B-3	10/20/2006	9.0	Heavy Oil Range Hydrocarbons	1500	2000	A	No	<1	NA	NA	NA	NA	EFI Global 11/12/06
B-5	10/20/2006	7.0	Heavy Oil Range Hydrocarbons	80	2000	A	No	<1	NA	NA	NA	NA	EFI Global 11/12/06
B-11	10/23/2006	4.5	Diesel Range Hydrocarbons	34	2000	A	No	<1	NA	NA	NA	NA	EFI Global 11/12/06
B-11	10/23/2006	4.5	Heavy Oil Range Hydrocarbons	180	2000	A	No	<1	NA	NA	NA	NA	EFI Global 11/12/06
<b>Building 3-353</b>													
SB-1	9/21/1989	2.5	Nickel	13.0	NA	NA	NA	NA	NA	NA	NA	NA	GTI 3/1990
SB-1	9/21/1989	2.5	Cadmium	0.091	2	A	No	<1	34	V	No	<1	GTI 3/1990
SB-1	9/21/1989	2.5	Copper	22.0	3000	B, NC	No	<1	780	V	No	<1	GTI 3/1990
SB-1	9/21/1989	2.5	Lead	20.3	1000	A	No	<1	1300	V	No	<1	GTI 3/1990
SB-1	9/21/1989	2.5	Mercury	0.0049	2	A	No	<1	0.59	V	No	<1	GTI 3/1990
SB-1	9/21/1989	2.5	Silver	0.042	400	B, NC	No	<1	12	V	No	<1	GTI 3/1990
SB-1	9/21/1989	2.5	Zinc	51.0	24000	B, NC	No	<1	770	V	No	<1	GTI 3/1990
SB-1	9/21/1989	2.5	Barium	340	16000	B, NC	No	<1	NA	NA	NA	NA	GTI 3/1990
SB-1	9/21/1989	2.5	Selenium	0.20	400	B, NC	No	<1	NA	NA	NA	NA	GTI 3/1990
SB-1	9/21/1989	2.5	Total Petroleum Hydrocarbons	102	2000	A	No	<1	NA	NA	NA	NA	GTI 3/1990
SB-1	9/21/1989	10.5	Total Petroleum Hydrocarbons	13.1	2000	A	No	<1	NA	NA	NA	NA	GTI 3/1990
SB-1	9/21/1989	2.5	PCB, total	1.0 U	0.5	B, Carc	RLE	2.0	1.3	V	No	<1	GTI 3/1990
SB-1	9/21/1989	2.5	Arsenic	11.0	0.67	B, Carc	Yes	16	12000	V	No	<1	GTI 3/1990

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
SB-1	9/21/1989	2.5	Chromium	290	19	A, Chromium VI	Yes	15	5400	V	No	<1	GTI 3/1990
SB-2	9/21/1989	2.5	Nickel	21.0	NA	NA	NA	NA	NA	NA	NA	NA	GTI 3/1990
SB-2	9/21/1989	2.5	Cadmium	0.37	2	A	No	<1	34	V	No	<1	GTI 3/1990
SB-2	9/21/1989	2.5	Copper	63.0	3000	B, NC	No	<1	780	V	No	<1	GTI 3/1990
SB-2	9/21/1989	2.5	Lead	22.9	1000	A	No	<1	1300	V	No	<1	GTI 3/1990
SB-2	9/21/1989	2.5	Silver	0.086	400	B, NC	No	<1	12	V	No	<1	GTI 3/1990
SB-2	9/21/1989	2.5	Zinc	90.0	24000	B, NC	No	<1	770	V	No	<1	GTI 3/1990
SB-2	9/21/1989	2.5	Barium	220	16000	B, NC	No	<1	NA	NA	NA	NA	GTI 3/1990
SB-2	9/21/1989	2.5	Selenium	0.40	400	B, NC	No	<1	NA	NA	NA	NA	GTI 3/1990
SB-2	9/21/1989	2.5	Total Petroleum Hydrocarbons	121	2000	A	No	<1	NA	NA	NA	NA	GTI 3/1990
SB-2	9/21/1989	5.5	Total Petroleum Hydrocarbons	8.4	2000	A	No	<1	NA	NA	NA	NA	GTI 3/1990
SB-2	9/21/1989	2.5	PCB, total	1.0 U	0.5	B, Carc	RLE	2.0	1.3	V	No	<1	GTI 3/1990
SB-2	9/21/1989	2.5	Arsenic	28.0	0.67	B, Carc	Yes	42	12000	V	No	<1	GTI 3/1990
SB-2	9/21/1989	2.5	Chromium	560	19	A, Chromium VI	Yes	29	5400	V	No	<1	GTI 3/1990
SB-3	9/21/1989	2.5	Nickel	8.8	NA	NA	NA	NA	NA	NA	NA	NA	GTI 3/1990
SB-3	9/21/1989	2.5	Cadmium	0.038	2	A	No	<1	34	V	No	<1	GTI 3/1990
SB-3	9/21/1989	2.5	Chromium	11.0	19	A, Chromium VI	No	<1	5400	V	No	<1	GTI 3/1990
SB-3	9/21/1989	2.5	Copper	11.0	3000	B, NC	No	<1	780	V	No	<1	GTI 3/1990
SB-3	9/21/1989	2.5	Lead	3.6	1000	A	No	<1	1300	V	No	<1	GTI 3/1990
SB-3	9/21/1989	2.5	Silver	0.03	400	B, NC	No	<1	12	V	No	<1	GTI 3/1990
SB-3	9/21/1989	2.5	Zinc	28.0	24000	B, NC	No	<1	770	V	No	<1	GTI 3/1990
SB-3	9/21/1989	2.5	Barium	88	16000	B, NC	No	<1	NA	NA	NA	NA	GTI 3/1990
SB-3	9/21/1989	5.5	Total Petroleum Hydrocarbons	109	2000	A	No	<1	NA	NA	NA	NA	GTI 3/1990
SB-3	9/21/1989	10.5	Total Petroleum Hydrocarbons	35.1	2000	A	No	<1	NA	NA	NA	NA	GTI 3/1990
SB-3	9/21/1989	2.5	PCB, total	1.0 U	0.5	B, Carc	RLE	2.0	1.3	V	No	<1	GTI 3/1990
SB-3	9/21/1989	5.5	PCB, total	2.9	0.5	B, Carc	Yes	5.8	1.3	V	Yes	2.2	GTI 3/1990
SB-3	9/21/1989	2.5	Arsenic	2.9	0.67	B, Carc	Yes	4.3	12000	V	No	<1	GTI 3/1990
SB-3 (dup)	9/21/1989	5.5	PCB, total	1.0 U	0.5	B, Carc	RLE	2.0	1.3	V	No	<1	GTI 3/1990
SB-4	9/21/1989	2.5	Nickel	5.5	NA	NA	NA	NA	NA	NA	NA	NA	GTI 3/1990
SB-4	9/21/1989	2.5	Cadmium	0.026	2	A	No	<1	34	V	No	<1	GTI 3/1990
SB-4	9/21/1989	2.5	Chromium	6.7	19	A, Chromium VI	No	<1	5400	V	No	<1	GTI 3/1990
SB-4	9/21/1989	2.5	Copper	8.1	3000	B, NC	No	<1	780	V	No	<1	GTI 3/1990
SB-4	9/21/1989	2.5	Lead	2.5	1000	A	No	<1	1300	V	No	<1	GTI 3/1990
SB-4	9/21/1989	2.5	Silver	0.02	400	B, NC	No	<1	12	V	No	<1	GTI 3/1990
SB-4	9/21/1989	2.5	Zinc	23.0	24000	B, NC	No	<1	770	V	No	<1	GTI 3/1990
SB-4	9/21/1989	2.5	Barium	73	16000	B, NC	No	<1	NA	NA	NA	NA	GTI 3/1990
SB-4	9/21/1989	5.5	Total Petroleum Hydrocarbons	8.8	2000	A	No	<1	NA	NA	NA	NA	GTI 3/1990
SB-4	9/21/1989	2.5	PCB, total	1.0 U	0.5	B, Carc	RLE	2.0	1.3	V	No	<1	GTI 3/1990
SB-4	9/21/1989	2.5	Arsenic	3.2	0.67	B, Carc	Yes	4.8	12000	V	No	<1	GTI 3/1990
SB-5	9/21/1989	2.5	Nickel	5.8	NA	NA	NA	NA	NA	NA	NA	NA	GTI 3/1990
SB-5	9/21/1989	2.5	Cadmium	0.021	2	A	No	<1	34	V	No	<1	GTI 3/1990
SB-5	9/21/1989	2.5	Chromium	11.0	19	A, Chromium VI	No	<1	5400	V	No	<1	GTI 3/1990
SB-5	9/21/1989	2.5	Copper	13.0	3000	B, NC	No	<1	780	V	No	<1	GTI 3/1990
SB-5	9/21/1989	2.5	Lead	2.2	1000	A	No	<1	1300	V	No	<1	GTI 3/1990
SB-5	9/21/1989	2.5	Silver	0.028	400	B, NC	No	<1	12	V	No	<1	GTI 3/1990
SB-5	9/21/1989	2.5	Zinc	16.0	24000	B, NC	No	<1	770	V	No	<1	GTI 3/1990
SB-5	9/21/1989	2.5	Barium	110	16000	B, NC	No	<1	NA	NA	NA	NA	GTI 3/1990
SB-5	9/21/1989	2.5	Total Petroleum Hydrocarbons	1180	2000	A	No	<1	NA	NA	NA	NA	GTI 3/1990
SB-5	9/21/1989	2.5	PCB, total	1.0 U	0.5	B, Carc	RLE	2.0	1.3	V	No	<1	GTI 3/1990
SB-5	9/21/1989	2.5	Arsenic	8.9	0.67	B, Carc	Yes	13	12000	V	No	<1	GTI 3/1990
GT-1114-1A	11/14/1989	3.0	Total Petroleum Hydrocarbons	128	2000	A	No	<1	NA	NA	NA	NA	GTI 3/1990
GT-1114-1A	11/14/1989	3.0	PCB, total	1 U	0.5	B, Carc	RLE	2.0	1.3	V	No	<1	GTI 3/1990

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
GT-1114-1B	11/14/1989	8.0	Total Petroleum Hydrocarbons	6.4	2000	A	No	<1	NA	NA	NA	NA	GTI 3/1990
GT-1114-1B	11/14/1989	8.0	PCB, total	1 U	0.5	B, Carc	RLE	2.0	0.065	S	RLE	15	GTI 3/1990
GT-1114-2A	11/14/1989	3.0	Total Petroleum Hydrocarbons	192	2000	A	No	<1	NA	NA	NA	NA	GTI 3/1990
GT-1114-2A	11/14/1989	3.0	PCB, total	1 U	0.5	B, Carc	RLE	2.0	1.3	V	No	<1	GTI 3/1990
GT-1114-2B	11/14/1989	8.0	Total Petroleum Hydrocarbons	29.1	2000	A	No	<1	NA	NA	NA	NA	GTI 3/1990
GT-1114-2B	11/14/1989	8.0	PCB, total	1 U	0.5	B, Carc	RLE	2.0	0.065	S	RLE	15	GTI 3/1990
GT-1114-3A	11/14/1989	3.0	Total Petroleum Hydrocarbons	97.4	2000	A	No	<1	NA	NA	NA	NA	GTI 3/1990
GT-1114-3A	11/14/1989	3.0	PCB, total	1 U	0.5	B, Carc	RLE	2.0	1.3	V	No	<1	GTI 3/1990
GT-1114-3B	11/14/1989	8.0	Total Petroleum Hydrocarbons	491	2000	A	No	<1	NA	NA	NA	NA	GTI 3/1990
GT-1114-3B	11/14/1989	8.0	PCB, total	1 U	0.5	B, Carc	RLE	2.0	0.065	S	RLE	15	GTI 3/1990
KH706A	7/6/1990		Total Petroleum Hydrocarbons	77	2000	A	No	<1	NA	NA	NA	NA	GTI 11/1990
KH706B	7/6/1990		Total Petroleum Hydrocarbons	66	2000	A	No	<1	NA	NA	NA	NA	GTI 11/1990
KH710A	7/6/1990		Total Petroleum Hydrocarbons	30	2000	A	No	<1	NA	NA	NA	NA	GTI 11/1990
KH710B	7/6/1990		Total Petroleum Hydrocarbons	77	2000	A	No	<1	NA	NA	NA	NA	GTI 11/1990
KH710C	7/6/1990		Total Petroleum Hydrocarbons	22	2000	A	No	<1	NA	NA	NA	NA	GTI 11/1990
KH710E	7/6/1990		Total Petroleum Hydrocarbons	68	2000	A	No	<1	NA	NA	NA	NA	GTI 11/1990
KH720D	7/6/1990		Total Petroleum Hydrocarbons	60	2000	A	No	<1	NA	NA	NA	NA	GTI 11/1990
<b>Green Hornet Area</b>													
EX1	2/10/1993	3	Diesel Range Hydrocarbons	370	2000	A	No	<1	NA	NA	NA	NA	SECOR 6/28/93*
EX1	2/10/1993	3	Xylenes, total	0.43	9	A	No	<1	NA	NA	NA	NA	SECOR 6/28/93*
EX1	2/10/1993	3	Benzene	0.06 U	0.03	A	RLE	2.0	NA	NA	NA	NA	SECOR 6/28/93*
EX3	2/10/1993	3.5	Benzene	0.063 U	0.03	A	RLE	2.1	NA	NA	NA	NA	SECOR 6/28/93*
EX4	2/10/1993	2.5	Diesel Range Hydrocarbons	11	2000	A	No	<1	NA	NA	NA	NA	SECOR 6/28/93*
EX4	2/10/1993	2.5	Benzene	0.054 U	0.03	A	RLE	1.8	NA	NA	NA	NA	SECOR 6/28/93*
EX7	2/10/1993	4.5	Benzene	0.064 U	0.03	A	RLE	2.1	NA	NA	NA	NA	SECOR 6/28/93*
AT1-1	9/1/1993		Diesel Range Hydrocarbons	49	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/15/94*
AT1-1	9/1/1993		Benzene	0.053 U	0.03	A	RLE	1.8	NA	NA	NA	NA	SECOR 4/15/94*
AT2-1	9/1/1993		Diesel Range Hydrocarbons	3.1 J	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/15/94*
AT2-1	9/1/1993		Benzene	0.051 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SECOR 4/15/94*
AT2-2	9/1/1993		Diesel Range Hydrocarbons	13	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/15/94*
AT2-2	9/1/1993		Benzene	0.051 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SECOR 4/15/94*
EX-1-0/W	9/7/1993	6	Aroclor 1248	0.085 U	NA	NA	NA	NA	0.065	S	RLE	1.3	SECOR 4/15/94*
EX-1-0/W	9/7/1993	6	Aroclor 1260	0.085 U	NA	NA	NA	NA	0.065	S	RLE	1.3	SECOR 4/15/94*
EX-1-0/W	9/7/1993	6	Aroclor 1254	0.085 U	1.6	B, NC	No	<1	0.065	S	RLE	1.3	SECOR 4/15/94*
EX-1-0/W	9/7/1993	6	Mercury	0.08 U	2	A	No	<1	0.030	S	RLE	2.7	SECOR 4/15/94*
EX-1-0/W	9/7/1993	6	Xylenes, total	0.21	9	A	No	<1	NA	NA	NA	NA	SECOR 4/15/94*
EX-1-0/W	9/7/1993	6	Benzene	0.073 U	0.03	A	RLE	2.4	NA	NA	NA	NA	SECOR 4/15/94*
EX-2-NE	9/7/1993	9	Aroclor 1248	0.085 U	NA	NA	NA	NA	0.065	S	RLE	1.3	SECOR 4/15/94*
EX-2-NE	9/7/1993	9	Aroclor 1260	0.085 U	NA	NA	NA	NA	0.065	S	RLE	1.3	SECOR 4/15/94*
EX-2-NE	9/7/1993	9	Aroclor 1254	0.085 U	1.6	B, NC	No	<1	0.065	S	RLE	1.3	SECOR 4/15/94*
EX-2-NE	9/7/1993	9	Mercury	0.06 U	2	A	No	<1	0.030	S	RLE	2.0	SECOR 4/15/94*
EX-2-NE	9/7/1993	9	Diesel Range Hydrocarbons	180	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/15/94*
EX-2-NE	9/7/1993	9	Xylenes, total	0.14	9	A	No	<1	NA	NA	NA	NA	SECOR 4/15/94*
EX-2-NE	9/7/1993	9	Benzene	0.066 U	0.03	A	RLE	2.2	NA	NA	NA	NA	SECOR 4/15/94*
EX-2-NE	9/7/1993	9	Gasoline Range Hydrocarbons	180	30	A	Yes	6.0	NA	NA	NA	NA	SECOR 4/15/94*
EX-2-NE	9/7/1993	9	Gasoline Range Hydrocarbons	210	30	A	Yes	7.0	NA	NA	NA	NA	SECOR 4/15/94*
PIT-1-SE	9/7/1993		Aroclor 1248	0.085 U	NA	NA	NA	NA	0.065	S	RLE	1.3	SECOR 4/15/94*
PIT-1-SE	9/7/1993		Aroclor 1260	0.085 U	NA	NA	NA	NA	0.065	S	RLE	1.3	SECOR 4/15/94*
PIT-1-SE	9/7/1993		Aroclor 1254	0.085 U	1.6	B, NC	No	<1	0.065	S	RLE	1.3	SECOR 4/15/94*
PIT-1-SE	9/7/1993		Benzene	0.064 U	0.03	A	RLE	2.1	NA	NA	NA	NA	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Phenanthrene	0.083 J	NA	NA	NA	NA	0.49	S	No	<1	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Acenaphthylene	0.16 U	NA	NA	NA	NA	0.069	S	RLE	2.3	SECOR 4/15/94*

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
EX-DWW-8	9/10/1993	8	Benzo(g,h,i)perylene	0.16 U	NA	NA	NA	NA	0.078	S	RLE	2.1	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Dibenz(a,h)anthracene	0.16 U	NA	NA	NA	NA	0.033	S	RLE	4.8	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Indeno(1,2,3-cd)pyrene	0.16 U	NA	NA	NA	NA	0.088	S	RLE	1.8	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Fluoranthene	0.12 J	3200	B, NC	No	<1	1.2	S	No	<1	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Pyrene	0.087 J	2400	B, NC	No	<1	1.4	S	No	<1	SECOR 4/15/94*
<b>EX-DWW-8</b>	<b>9/10/1993</b>	<b>8</b>	<b>2-Methyl naphthalene</b>	<b>0.33 M</b>	<b>320</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>0.073</b>	<b>S</b>	<b>Yes</b>	<b>4.5</b>	<b>SECOR 4/15/94*</b>
EX-DWW-8	9/10/1993	8	1,2,4-Trichlorobenzene	0.16 U	800	B, NC	No	<1	0.0025	S	RLE	64	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	1,2-Dichlorobenzene	0.16 U	7200	B, NC	No	<1	0.0038	S	RLE	42	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	1,4-Dichlorobenzene	0.16 U	42	B, Carc	No	<1	0.015	S	RLE	11	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	2,4-Dimethylphenol	0.31 U	1600	B, NC	No	<1	0.0020	S	RLE	155	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	2-Methylphenol (o-cresol)	0.16 U	4000	B, NC	No	<1	0.0052	S	RLE	31	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	4-Methylphenol (p-cresol)	0.16 U	400	B, NC	No	<1	0.056	S	RLE	2.9	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Acenaphthene	0.16 U	4800	B, NC	No	<1	0.060	S	RLE	2.7	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Benzoic Acid	1.6 U	320000	B, NC	No	<1	0.68	S	RLE	2.4	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Benzyl Alcohol	0.78 U	24000	B, NC	No	<1	0.070	S	RLE	11	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	bis(2-Ethylhexyl)phthalate	0.16 U	71	B, Carc	No	<1	0.078	S	RLE	2.1	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Butylbenzylphthalate	0.16 U	16000	B, NC	No	<1	0.066	S	RLE	2.4	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Dibenzofuran	0.16 U	160	B, NC	No	<1	0.059	S	RLE	2.7	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Dimethylphthalate	0.16 U	80000	B, NC	No	<1	0.094	S	RLE	1.7	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Fluorene	0.16 U	3200	B, NC	No	<1	0.081	S	RLE	2.0	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Hexachlorobenzene	0.16 U	0.63	B, Carc	No	<1	0.0023	S	RLE	70	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Hexachlorobutadiene	0.31 U	13	B, Carc	No	<1	0.0080	S	RLE	39	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Mercury	0.05 U	2	A	No	<1	0.030	S	RLE	1.7	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	N-Nitrosodiphenylamine	0.16 U	200	B, Carc	No	<1	0.012	S	RLE	13	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Pentachlorophenol	0.78 U	8.3	B, Carc	No	<1	0.037	S	RLE	21	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Phenol	0.31 U	48000	B, NC	No	<1	0.12	S	RLE	2.6	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Diesel Range Hydrocarbons	1000	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Heavy Oil Range Hydrocarbons	160	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Xylenes, total	0.17	9	A	No	<1	NA	NA	NA	NA	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Benzo(a)pyrene	0.16 U	0.137	B, Carc	RLE	1.2	0.21	S	No	<1	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Benzene	0.065 U	0.03	A	RLE	2.2	NA	NA	NA	NA	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	N-nitroso-di-n-propylamine	0.16 U	0.14	B, Carc	RLE	1.1	NA	NA	NA	NA	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Gasoline Range Hydrocarbons	260	30	A	Yes	8.7	NA	NA	NA	NA	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Gasoline Range Hydrocarbons	2500	30	A	Yes	83	NA	NA	NA	NA	SECOR 4/15/94*
EX-DWW-8	9/10/1993	8	Total Petroleum Hydrocarbons	3600	2000	A	Yes	1.8	NA	NA	NA	NA	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	Phenanthrene	0.049 J	NA	NA	NA	NA	0.49	S	No	<1	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	Acenaphthylene	0.086 U	NA	NA	NA	NA	0.069	S	RLE	1.2	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	Benzo(g,h,i)perylene	0.086 U	NA	NA	NA	NA	0.078	S	RLE	1.1	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	Dibenz(a,h)anthracene	0.086 U	NA	NA	NA	NA	0.033	S	RLE	2.6	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	Fluoranthene	0.061 J	3200	B, NC	No	<1	1.2	S	No	<1	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	Pyrene	0.049 J	2400	B, NC	No	<1	1.4	S	No	<1	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	1,2,4-Trichlorobenzene	0.086 U	800	B, NC	No	<1	0.0025	S	RLE	34	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	1,2-Dichlorobenzene	0.086 U	7200	B, NC	No	<1	0.0038	S	RLE	23	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	1,4-Dichlorobenzene	0.086 U	42	B, Carc	No	<1	0.015	S	RLE	5.7	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	2,4-Dimethylphenol	0.17 U	1600	B, NC	No	<1	0.0020	S	RLE	85	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	2-Methyl naphthalene	0.086 U	320	B, NC	No	<1	0.073	S	RLE	1.2	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	2-Methylphenol (o-cresol)	0.086 U	4000	B, NC	No	<1	0.0052	S	RLE	17	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	4-Methylphenol (p-cresol)	0.086 U	400	B, NC	No	<1	0.056	S	RLE	1.5	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	Acenaphthene	0.086 U	4800	B, NC	No	<1	0.060	S	RLE	1.4	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	Benzoic Acid	0.86 U	320000	B, NC	No	<1	0.68	S	RLE	1.3	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	Benzyl Alcohol	0.43 U	24000	B, NC	No	<1	0.070	S	RLE	6.1	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	bis(2-Ethylhexyl)phthalate	0.086 U	71	B, Carc	No	<1	0.078	S	RLE	1.1	SECOR 4/15/94*

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
EX-SWW-4	9/10/1993	4	Butylbenzylphthalate	0.086 U	16000	B, NC	No	<1	0.066	S	RLE	1.3	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	Dibenzofuran	0.086 U	160	B, NC	No	<1	0.059	S	RLE	1.5	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	Fluorene	0.086 U	3200	B, NC	No	<1	0.081	S	RLE	1.1	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	Hexachlorobenzene	0.086 U	0.63	B, Carc	No	<1	0.0023	S	RLE	37	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	Hexachlorobutadiene	0.17 U	13	B, Carc	No	<1	0.0080	S	RLE	21	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	N-Nitrosodiphenylamine	0.086 U	200	B, Carc	No	<1	0.012	S	RLE	7.2	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	Pentachlorophenol	0.43 U	8.3	B, Carc	No	<1	0.037	S	RLE	12	SECOR 4/15/94*
EX-SWW-4	9/10/1993	4	Phenol	0.17 U	48000	B, NC	No	<1	0.12	S	RLE	1.4	SECOR 4/15/94*
<b>EX-SWW-4</b>	<b>9/10/1993</b>	<b>4</b>	<b>Mercury</b>	<b>0.11</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.030</b>	<b>S</b>	<b>Yes</b>	<b>3.7</b>	<b>SECOR 4/15/94*</b>
EX-SWW-4	9/10/1993	4	Benzene	0.075 U	0.03	A	RLE	2.5	NA	NA	NA	NA	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	Acenaphthylene	0.081 U	NA	NA	NA	NA	0.069	S	RLE	1.2	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	Dibenz(a,h)anthracene	0.081 U	NA	NA	NA	NA	0.033	S	RLE	2.5	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	Pyrene	0.057 J	2400	B, NC	No	<1	1.4	S	No	<1	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	1,2,4-Trichlorobenzene	0.081 U	800	B, NC	No	<1	0.0025	S	RLE	32	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	1,2-Dichlorobenzene	0.081 U	7200	B, NC	No	<1	0.0038	S	RLE	21	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	1,4-Dichlorobenzene	0.081 U	42	B, Carc	No	<1	0.015	S	RLE	5.4	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	2,4-Dimethylphenol	0.16 U	1600	B, NC	No	<1	0.0020	S	RLE	80	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	2-Methyl naphthalene	0.081 U	320	B, NC	No	<1	0.073	S	RLE	1.1	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	2-Methylphenol (o-cresol)	0.081 U	4000	B, NC	No	<1	0.0052	S	RLE	16	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	4-Methylphenol (p-cresol)	0.081 U	400	B, NC	No	<1	0.056	S	RLE	1.4	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	Acenaphthene	0.081 U	4800	B, NC	No	<1	0.060	S	RLE	1.4	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	Benzoic Acid	0.81 U	320000	B, NC	No	<1	0.68	S	RLE	1.2	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	Benzyl Alcohol	0.4 U	24000	B, NC	No	<1	0.070	S	RLE	5.7	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	Butylbenzylphthalate	0.081 U	16000	B, NC	No	<1	0.066	S	RLE	1.2	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	Dibenzofuran	0.081 U	160	B, NC	No	<1	0.059	S	RLE	1.4	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	Hexachlorobenzene	0.081 U	0.63	B, Carc	No	<1	0.0023	S	RLE	35	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	Hexachlorobutadiene	0.16 U	13	B, Carc	No	<1	0.0080	S	RLE	20	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	N-Nitrosodiphenylamine	0.081 U	200	B, Carc	No	<1	0.012	S	RLE	6.8	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	Pentachlorophenol	0.4 U	8.3	B, Carc	No	<1	0.037	S	RLE	11	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	Phenol	0.16 U	48000	B, NC	No	<1	0.12	S	RLE	1.3	SECOR 4/15/94*
<b>EX-DMW-8</b>	<b>9/13/1993</b>	<b>8</b>	<b>Mercury</b>	<b>0.09</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.030</b>	<b>S</b>	<b>Yes</b>	<b>3.0</b>	<b>SECOR 4/15/94*</b>
EX-DMW-8	9/13/1993	8	Fluoranthene	0.086	3200	B, NC	No	<1	1.2	S	No	<1	SECOR 4/15/94*
EX-DMW-8	9/13/1993	8	Benzene	0.08 U	0.03	A	RLE	2.7	NA	NA	NA	NA	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	Dibenz(a,h)anthracene	0.07 U	NA	NA	NA	NA	0.033	S	RLE	2.1	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	Dibenz(a,h)anthracene	0.07 U	NA	NA	NA	NA	0.033	S	RLE	2.1	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	1,2,4-Trichlorobenzene	0.07 U	800	B, NC	No	<1	0.0025	S	RLE	28	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	1,2,4-Trichlorobenzene	0.07 U	800	B, NC	No	<1	0.0025	S	RLE	28	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	1,2-Dichlorobenzene	0.07 U	7200	B, NC	No	<1	0.0038	S	RLE	18	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	1,2-Dichlorobenzene	0.07 U	7200	B, NC	No	<1	0.0038	S	RLE	18	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	1,4-Dichlorobenzene	0.07 U	42	B, Carc	No	<1	0.015	S	RLE	4.7	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	1,4-Dichlorobenzene	0.07 U	42	B, Carc	No	<1	0.015	S	RLE	4.7	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	2,4-Dimethylphenol	0.14 U	1600	B, NC	No	<1	0.0020	S	RLE	70	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	2,4-Dimethylphenol	0.14 U	1600	B, NC	No	<1	0.0020	S	RLE	70	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	2-Methylphenol (o-cresol)	0.07 U	4000	B, NC	No	<1	0.0052	S	RLE	13	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	2-Methylphenol (o-cresol)	0.07 U	4000	B, NC	No	<1	0.0052	S	RLE	13	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	4-Methylphenol (p-cresol)	0.07 U	400	B, NC	No	<1	0.056	S	RLE	1.3	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	4-Methylphenol (p-cresol)	0.07 U	400	B, NC	No	<1	0.056	S	RLE	1.3	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	Acenaphthene	0.07 U	4800	B, NC	No	<1	0.060	S	RLE	1.2	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	Acenaphthene	0.07 U	4800	B, NC	No	<1	0.060	S	RLE	1.2	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	Benzyl Alcohol	0.35 U	24000	B, NC	No	<1	0.070	S	RLE	5.0	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	Benzyl Alcohol	0.35 U	24000	B, NC	No	<1	0.070	S	RLE	5.0	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	Butylbenzylphthalate	0.07 U	16000	B, NC	No	<1	0.066	S	RLE	1.1	SECOR 4/15/94*



**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
EX-DSE-8	9/13/1993	8	Butylbenzylphthalate	0.07 U	16000	B, NC	No	<1	0.066	S	RLE	1.1	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	Dibenzofuran	0.07 U	160	B, NC	No	<1	0.059	S	RLE	1.2	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	Dibenzofuran	0.07 U	160	B, NC	No	<1	0.059	S	RLE	1.2	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	Hexachlorobenzene	0.07 U	0.63	B, Carc	No	<1	0.0023	S	RLE	30	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	Hexachlorobenzene	0.07 U	0.63	B, Carc	No	<1	0.0023	S	RLE	30	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	Hexachlorobutadiene	0.14 U	13	B, Carc	No	<1	0.0080	S	RLE	18	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	Hexachlorobutadiene	0.14 U	13	B, Carc	No	<1	0.0080	S	RLE	18	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	Mercury	0.07 U	2	A	No	<1	0.030	S	RLE	2.3	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	N-Nitrosodiphenylamine	0.07 U	200	B, Carc	No	<1	0.012	S	RLE	5.8	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	N-Nitrosodiphenylamine	0.07 U	200	B, Carc	No	<1	0.012	S	RLE	5.8	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	Pentachlorophenol	0.35 U	8.3	B, Carc	No	<1	0.037	S	RLE	9.5	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	Pentachlorophenol	0.35 U	8.3	B, Carc	No	<1	0.037	S	RLE	9.5	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	Phenol	0.14 U	48000	B, NC	No	<1	0.12	S	RLE	1.2	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	Phenol	0.14 U	48000	B, NC	No	<1	0.12	S	RLE	1.2	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	bis(2-Ethylhexyl)phthalate	3.7	71	B, Carc	No	<1	0.078	S	Yes	47	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	bis(2-Ethylhexyl)phthalate	3.8	71	B, Carc	No	<1	0.078	S	Yes	49	SECOR 4/15/94*
EX-DSE-8	9/13/1993	8	Benzene	0.071 U	0.03	A	RLE	2.4	NA	NA	NA	NA	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Dibenz(a,h)anthracene	0.065 U	NA	NA	NA	NA	0.033	S	RLE	2.0	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Fluorene	0.05 J	3200	B, NC	No	<1	0.081	S	No	<1	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Ethylbenzene	0.06 J	6	A	No	<1	NA	NA	NA	NA	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Heavy Oil Range Hydrocarbons	44 J	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	1,2,4-Trichlorobenzene	0.065 U	800	B, NC	No	<1	0.0025	S	RLE	26	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	1,2-Dichlorobenzene	0.065 U	7200	B, NC	No	<1	0.0038	S	RLE	17	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	1,4-Dichlorobenzene	0.065 U	42	B, Carc	No	<1	0.015	S	RLE	4.3	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	2,4-Dimethylphenol	0.13 U	1600	B, NC	No	<1	0.0020	S	RLE	65	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	2-Methylphenol (o-cresol)	0.065 U	4000	B, NC	No	<1	0.0052	S	RLE	13	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	4-Methylphenol (p-cresol)	0.065 U	400	B, NC	No	<1	0.056	S	RLE	1.2	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Acenaphthene	0.065 U	4800	B, NC	No	<1	0.060	S	RLE	1.1	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Benzyl Alcohol	0.32 U	24000	B, NC	No	<1	0.070	S	RLE	4.6	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Dibenzofuran	0.065 U	160	B, NC	No	<1	0.059	S	RLE	1.1	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Hexachlorobenzene	0.065 U	0.63	B, Carc	No	<1	0.0023	S	RLE	28	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Hexachlorobutadiene	0.13 U	13	B, Carc	No	<1	0.0080	S	RLE	16	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Mercury	0.05 U	2	A	No	<1	0.030	S	RLE	1.7	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	N-Nitrosodiphenylamine	0.065 U	200	B, Carc	No	<1	0.012	S	RLE	5.4	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Pentachlorophenol	0.32 U	8.3	B, Carc	No	<1	0.037	S	RLE	8.6	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Phenol	0.13 U	48000	B, NC	No	<1	0.12	S	RLE	1.1	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	2-Methyl naphthalene	4.9	320	B, NC	No	<1	0.073	S	Yes	67	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Naphthalene	2.2	5	A	No	<1	0.20	S	Yes	11	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Diesel Range Hydrocarbons	940	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Xylenes, total	0.19	9	A	No	<1	NA	NA	NA	NA	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Benzene	0.063 U	0.03	A	RLE	2.1	NA	NA	NA	NA	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Gasoline Range Hydrocarbons	150	30	A	Yes	5.0	NA	NA	NA	NA	SECOR 4/15/94*
EX-SMW-4	9/13/1993	4	Gasoline Range Hydrocarbons	1300	30	A	Yes	43	NA	NA	NA	NA	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Phenanthrene	0.098 J	NA	NA	NA	NA	0.49	S	No	<1	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Phenanthrene	0.098 J	NA	NA	NA	NA	0.49	S	No	<1	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Acenaphthylene	0.11 U	NA	NA	NA	NA	0.069	S	RLE	1.6	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Acenaphthylene	0.11 U	NA	NA	NA	NA	0.069	S	RLE	1.6	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Benzo(g,h,i)perylene	0.11 U	NA	NA	NA	NA	0.078	S	RLE	1.4	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Benzo(g,h,i)perylene	0.11 U	NA	NA	NA	NA	0.078	S	RLE	1.4	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Dibenz(a,h)anthracene	0.11 U	NA	NA	NA	NA	0.033	S	RLE	3.3	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Dibenz(a,h)anthracene	0.11 U	NA	NA	NA	NA	0.033	S	RLE	3.3	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Indeno(1,2,3-cd)pyrene	0.11 U	NA	NA	NA	NA	0.088	S	RLE	1.3	SECOR 4/15/94*

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
EX-SSE-4	9/13/1993	4	Indeno(1,2,3-cd)pyrene	0.11 U	NA	NA	NA	NA	0.088	S	RLE	1.3	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Benzo(a)anthracene	0.29	NA	NA	NA	NA	0.27	S	Yes	1.1	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Benzo(a)anthracene	0.29	NA	NA	NA	NA	0.27	S	Yes	1.1	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Benzo(b)fluoranthene	0.28	NA	NA	NA	NA	0.45	S	No	<1	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Benzo(b)fluoranthene	0.26	NA	NA	NA	NA	0.45	S	No	<1	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Benzo(k)fluoranthene	0.15	NA	NA	NA	NA	0.45	S	No	<1	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Benzo(k)fluoranthene	0.13	NA	NA	NA	NA	0.45	S	No	<1	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Chrysene	0.32	NA	NA	NA	NA	0.46	S	No	<1	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Chrysene	0.31	NA	NA	NA	NA	0.46	S	No	<1	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	1,2,4-Trichlorobenzene	0.11 U	800	B, NC	No	<1	0.0025	S	RLE	44	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	1,2,4-Trichlorobenzene	0.11 U	800	B, NC	No	<1	0.0025	S	RLE	44	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	1,2-Dichlorobenzene	0.11 U	7200	B, NC	No	<1	0.0038	S	RLE	29	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	1,2-Dichlorobenzene	0.11 U	7200	B, NC	No	<1	0.0038	S	RLE	29	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	1,4-Dichlorobenzene	0.11 U	42	B, Carc	No	<1	0.015	S	RLE	7.3	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	1,4-Dichlorobenzene	0.11 U	42	B, Carc	No	<1	0.015	S	RLE	7.3	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	2,4-Dimethylphenol	0.22 U	1600	B, NC	No	<1	0.0020	S	RLE	110	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	2,4-Dimethylphenol	0.22 U	1600	B, NC	No	<1	0.0020	S	RLE	110	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	2-Methyl naphthalene	0.11 U	320	B, NC	No	<1	0.073	S	RLE	1.5	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	2-Methyl naphthalene	0.11 U	320	B, NC	No	<1	0.073	S	RLE	1.5	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	2-Methylphenol (o-cresol)	0.11 U	4000	B, NC	No	<1	0.0052	S	RLE	21	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	2-Methylphenol (o-cresol)	0.11 U	4000	B, NC	No	<1	0.0052	S	RLE	21	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	4-Methylphenol (p-cresol)	0.11 U	400	B, NC	No	<1	0.056	S	RLE	2.0	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	4-Methylphenol (p-cresol)	0.11 U	400	B, NC	No	<1	0.056	S	RLE	2.0	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Acenaphthene	0.11 U	4800	B, NC	No	<1	0.060	S	RLE	1.8	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Acenaphthene	0.11 U	4800	B, NC	No	<1	0.060	S	RLE	1.8	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Benzoic Acid	1.1 U	320000	B, NC	No	<1	0.68	S	RLE	1.6	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Benzoic Acid	1.1 U	320000	B, NC	No	<1	0.68	S	RLE	1.6	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Benzyl Alcohol	0.55 U	24000	B, NC	No	<1	0.070	S	RLE	7.9	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Benzyl Alcohol	0.55 U	24000	B, NC	No	<1	0.070	S	RLE	7.9	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	bis(2-Ethylhexyl)phthalate	0.11 U	71	B, Carc	No	<1	0.078	S	RLE	1.4	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	bis(2-Ethylhexyl)phthalate	0.11 U	71	B, Carc	No	<1	0.078	S	RLE	1.4	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Butylbenzylphthalate	0.11 U	16000	B, NC	No	<1	0.066	S	RLE	1.7	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Butylbenzylphthalate	0.11 U	16000	B, NC	No	<1	0.066	S	RLE	1.7	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Dibenzofuran	0.11 U	160	B, NC	No	<1	0.059	S	RLE	1.9	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Dibenzofuran	0.11 U	160	B, NC	No	<1	0.059	S	RLE	1.9	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Dimethylphthalate	0.11 U	80000	B, NC	No	<1	0.094	S	RLE	1.2	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Dimethylphthalate	0.11 U	80000	B, NC	No	<1	0.094	S	RLE	1.2	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Fluorene	0.11 U	3200	B, NC	No	<1	0.081	S	RLE	1.4	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Fluorene	0.11 U	3200	B, NC	No	<1	0.081	S	RLE	1.4	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Hexachlorobenzene	0.11 U	0.63	B, Carc	No	<1	0.0023	S	RLE	48	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Hexachlorobenzene	0.11 U	0.63	B, Carc	No	<1	0.0023	S	RLE	48	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Hexachlorobutadiene	0.22 U	13	B, Carc	No	<1	0.0080	S	RLE	28	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Hexachlorobutadiene	0.22 U	13	B, Carc	No	<1	0.0080	S	RLE	28	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	N-Nitrosodiphenylamine	0.11 U	200	B, Carc	No	<1	0.012	S	RLE	9.2	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	N-Nitrosodiphenylamine	0.11 U	200	B, Carc	No	<1	0.012	S	RLE	9.2	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Pentachlorophenol	0.55 U	8.3	B, Carc	No	<1	0.037	S	RLE	15	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Pentachlorophenol	0.55 U	8.3	B, Carc	No	<1	0.037	S	RLE	15	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Phenol	0.22 U	48000	B, NC	No	<1	0.12	S	RLE	1.8	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Phenol	0.22 U	48000	B, NC	No	<1	0.12	S	RLE	1.8	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Mercury	0.38	2	A	No	<1	0.030	S	Yes	13	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Fluoranthene	0.63	3200	B, NC	No	<1	1.2	S	No	<1	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Fluoranthene	0.57	3200	B, NC	No	<1	1.2	S	No	<1	SECOR 4/15/94*

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
EX-SSE-4	9/13/1993	4	Pyrene	1	2400	B, NC	No	<1	1.4	S	No	<1	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Pyrene	0.86	2400	B, NC	No	<1	1.4	S	No	<1	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Heavy Oil Range Hydrocarbons	87	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Total Petroleum Hydrocarbons	350	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Benzene	0.055 U	0.03	A	RLE	1.8	NA	NA	NA	NA	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Benzo(a)pyrene	0.17	0.137	B, Carc	Yes	1.2	0.21	S	No	<1	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	Benzo(a)pyrene	0.18	0.137	B, Carc	Yes	1.3	0.21	S	No	<1	SECOR 4/15/94*
EX-SSE-4	9/13/1993	4	PAHs, total carcinogenic	0.50915	0.14	B, Carc	Yes	3.6	NA	NA	NA	NA	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Dibenz(a,h)anthracene	0.072 U	NA	NA	NA	NA	0.033	S	RLE	2.2	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	1,2,4-Trichlorobenzene	0.072 U	800	B, NC	No	<1	0.0025	S	RLE	29	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	1,2-Dichlorobenzene	0.072 U	7200	B, NC	No	<1	0.0038	S	RLE	19	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	1,4-Dichlorobenzene	0.072 U	42	B, Carc	No	<1	0.015	S	RLE	4.8	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	2,4-Dimethylphenol	0.14 U	1600	B, NC	No	<1	0.0020	S	RLE	70	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	2-Methylphenol (o-cresol)	0.072 U	4000	B, NC	No	<1	0.0052	S	RLE	14	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	4-Methylphenol (p-cresol)	0.072 U	400	B, NC	No	<1	0.056	S	RLE	1.3	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Acenaphthene	0.072 U	4800	B, NC	No	<1	0.060	S	RLE	1.2	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Benzoic Acid	0.72 U	320000	B, NC	No	<1	0.68	S	RLE	1.1	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Benzyl Alcohol	0.36 U	24000	B, NC	No	<1	0.070	S	RLE	5.1	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Butylbenzylphthalate	0.072 U	16000	B, NC	No	<1	0.066	S	RLE	1.1	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Hexachlorobenzene	0.072 U	0.63	B, Carc	No	<1	0.0023	S	RLE	31	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Hexachlorobutadiene	0.14 U	13	B, Carc	No	<1	0.0080	S	RLE	18	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Mercury	0.06 U	2	A	No	<1	0.030	S	RLE	2.0	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	N-Nitrosodiphenylamine	0.072 U	200	B, Carc	No	<1	0.012	S	RLE	6.0	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Pentachlorophenol	0.36 U	8.3	B, Carc	No	<1	0.037	S	RLE	9.7	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Phenol	0.14 U	48000	B, NC	No	<1	0.12	S	RLE	1.2	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	2-Methyl naphthalene	26	320	B, NC	No	<1	0.073	S	Yes	356	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Dibenzofuran	0.3	160	B, NC	No	<1	0.059	S	Yes	5.1	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Fluorene	0.21	3200	B, NC	No	<1	0.081	S	Yes	2.6	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Benzene	0.15 U	0.03	A	RLE	5.0	NA	NA	NA	NA	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Naphthalene	14	5	A	Yes	2.8	0.20	S	Yes	70	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Diesel Range Hydrocarbons	3900	2000	A	Yes	2.0	NA	NA	NA	NA	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Gasoline Range Hydrocarbons	1400	30	A	Yes	47	NA	NA	NA	NA	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Gasoline Range Hydrocarbons	2500	30	A	Yes	83	NA	NA	NA	NA	SECOR 4/15/94*
EX-DE2-8.5	9/14/1993	8.5	Xylenes, total	15	9	A	Yes	1.7	NA	NA	NA	NA	SECOR 4/15/94*
EX-DNW-8	9/14/1993	8	Dibenz(a,h)anthracene	0.07 U	NA	NA	NA	NA	0.033	S	RLE	2.1	SECOR 4/15/94*
EX-DNW-8	9/14/1993	8	1,2,4-Trichlorobenzene	0.07 U	800	B, NC	No	<1	0.0025	S	RLE	28	SECOR 4/15/94*
EX-DNW-8	9/14/1993	8	1,2-Dichlorobenzene	0.07 U	7200	B, NC	No	<1	0.0038	S	RLE	18	SECOR 4/15/94*
EX-DNW-8	9/14/1993	8	1,4-Dichlorobenzene	0.07 U	42	B, Carc	No	<1	0.015	S	RLE	4.7	SECOR 4/15/94*
EX-DNW-8	9/14/1993	8	2,4-Dimethylphenol	0.14 U	1600	B, NC	No	<1	0.0020	S	RLE	70	SECOR 4/15/94*
EX-DNW-8	9/14/1993	8	2-Methylphenol (o-cresol)	0.07 U	4000	B, NC	No	<1	0.0052	S	RLE	13	SECOR 4/15/94*
EX-DNW-8	9/14/1993	8	4-Methylphenol (p-cresol)	0.07 U	400	B, NC	No	<1	0.056	S	RLE	1.3	SECOR 4/15/94*
EX-DNW-8	9/14/1993	8	Acenaphthene	0.07 U	4800	B, NC	No	<1	0.060	S	RLE	1.2	SECOR 4/15/94*
EX-DNW-8	9/14/1993	8	Benzyl Alcohol	0.35 U	24000	B, NC	No	<1	0.070	S	RLE	5.0	SECOR 4/15/94*
EX-DNW-8	9/14/1993	8	Butylbenzylphthalate	0.07 U	16000	B, NC	No	<1	0.066	S	RLE	1.1	SECOR 4/15/94*
EX-DNW-8	9/14/1993	8	Dibenzofuran	0.07 U	160	B, NC	No	<1	0.059	S	RLE	1.2	SECOR 4/15/94*
EX-DNW-8	9/14/1993	8	Hexachlorobenzene	0.07 U	0.63	B, Carc	No	<1	0.0023	S	RLE	30	SECOR 4/15/94*
EX-DNW-8	9/14/1993	8	Hexachlorobutadiene	0.14 U	13	B, Carc	No	<1	0.0080	S	RLE	18	SECOR 4/15/94*
EX-DNW-8	9/14/1993	8	N-Nitrosodiphenylamine	0.07 U	200	B, Carc	No	<1	0.012	S	RLE	5.8	SECOR 4/15/94*
EX-DNW-8	9/14/1993	8	Pentachlorophenol	0.35 U	8.3	B, Carc	No	<1	0.037	S	RLE	9.5	SECOR 4/15/94*
EX-DNW-8	9/14/1993	8	Phenol	0.14 U	48000	B, NC	No	<1	0.12	S	RLE	1.2	SECOR 4/15/94*
EX-DNW-8	9/14/1993	8	Mercury	0.07	2	A	No	<1	0.030	S	Yes	2.3	SECOR 4/15/94*
EX-DSWCR-8	9/14/1993	8	Acenaphthylene	0.073 U	NA	NA	NA	NA	0.069	S	RLE	1.1	SECOR 4/15/94*

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
EX-DSWCR-8	9/14/1993	8	Dibenz(a,h)anthracene	0.073 U	NA	NA	NA	NA	0.033	S	RLE	2.2	SECOR 4/15/94*
EX-DSWCR-8	9/14/1993	8	1,2,4-Trichlorobenzene	0.073 U	800	B, NC	No	<1	0.0025	S	RLE	29	SECOR 4/15/94*
EX-DSWCR-8	9/14/1993	8	1,2-Dichlorobenzene	0.073 U	7200	B, NC	No	<1	0.0038	S	RLE	19	SECOR 4/15/94*
EX-DSWCR-8	9/14/1993	8	1,4-Dichlorobenzene	0.073 U	42	B, Carc	No	<1	0.015	S	RLE	4.9	SECOR 4/15/94*
EX-DSWCR-8	9/14/1993	8	2,4-Dimethylphenol	0.14 U	1600	B, NC	No	<1	0.0020	S	RLE	70	SECOR 4/15/94*
EX-DSWCR-8	9/14/1993	8	2-Methylphenol (o-cresol)	0.073 U	4000	B, NC	No	<1	0.0052	S	RLE	14	SECOR 4/15/94*
EX-DSWCR-8	9/14/1993	8	4-Methylphenol (p-cresol)	0.073 U	400	B, NC	No	<1	0.056	S	RLE	1.3	SECOR 4/15/94*
EX-DSWCR-8	9/14/1993	8	Acenaphthene	0.073 U	4800	B, NC	No	<1	0.060	S	RLE	1.2	SECOR 4/15/94*
EX-DSWCR-8	9/14/1993	8	Benzoic Acid	0.72 U	320000	B, NC	No	<1	0.68	S	RLE	1.1	SECOR 4/15/94*
EX-DSWCR-8	9/14/1993	8	Benzyl Alcohol	0.36 U	24000	B, NC	No	<1	0.070	S	RLE	5.1	SECOR 4/15/94*
EX-DSWCR-8	9/14/1993	8	Butylbenzylphthalate	0.073 U	16000	B, NC	No	<1	0.066	S	RLE	1.1	SECOR 4/15/94*
EX-DSWCR-8	9/14/1993	8	Dibenzofuran	0.073 U	160	B, NC	No	<1	0.059	S	RLE	1.2	SECOR 4/15/94*
EX-DSWCR-8	9/14/1993	8	Hexachlorobenzene	0.073 U	0.63	B, Carc	No	<1	0.0023	S	RLE	32	SECOR 4/15/94*
EX-DSWCR-8	9/14/1993	8	Hexachlorobutadiene	0.14 U	13	B, Carc	No	<1	0.0080	S	RLE	18	SECOR 4/15/94*
EX-DSWCR-8	9/14/1993	8	Mercury	0.06 U	2	A	No	<1	0.030	S	RLE	2.0	SECOR 4/15/94*
EX-DSWCR-8	9/14/1993	8	N-Nitrosodiphenylamine	0.073 U	200	B, Carc	No	<1	0.012	S	RLE	6.1	SECOR 4/15/94*
EX-DSWCR-8	9/14/1993	8	Pentachlorophenol	0.36 U	8.3	B, Carc	No	<1	0.037	S	RLE	9.7	SECOR 4/15/94*
EX-DSWCR-8	9/14/1993	8	Phenol	0.14 U	48000	B, NC	No	<1	0.12	S	RLE	1.2	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	Acenaphthylene	0.089 U	NA	NA	NA	NA	0.069	S	RLE	1.3	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	Benzo(g,h,i)perylene	0.089 U	NA	NA	NA	NA	0.078	S	RLE	1.1	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	Dibenz(a,h)anthracene	0.089 U	NA	NA	NA	NA	0.033	S	RLE	2.7	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	1,2,4-Trichlorobenzene	0.089 U	800	B, NC	No	<1	0.0025	S	RLE	36	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	1,2-Dichlorobenzene	0.089 U	7200	B, NC	No	<1	0.0038	S	RLE	23	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	1,4-Dichlorobenzene	0.089 U	42	B, Carc	No	<1	0.015	S	RLE	5.9	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	2,4-Dimethylphenol	0.18 U	1600	B, NC	No	<1	0.0020	S	RLE	90	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	2-Methyl naphthalene	0.089 U	320	B, NC	No	<1	0.073	S	RLE	1.2	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	2-Methylphenol (o-cresol)	0.089 U	4000	B, NC	No	<1	0.0052	S	RLE	17	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	4-Methylphenol (p-cresol)	0.089 U	400	B, NC	No	<1	0.056	S	RLE	1.6	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	Acenaphthene	0.089 U	4800	B, NC	No	<1	0.060	S	RLE	1.5	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	Benzoic Acid	0.89 U	320000	B, NC	No	<1	0.68	S	RLE	1.3	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	Benzyl Alcohol	0.44 U	24000	B, NC	No	<1	0.070	S	RLE	6.3	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	bis(2-Ethylhexyl)phthalate	0.089 U	71	B, Carc	No	<1	0.078	S	RLE	1.1	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	Butylbenzylphthalate	0.089 U	16000	B, NC	No	<1	0.066	S	RLE	1.3	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	Dibenzofuran	0.089 U	160	B, NC	No	<1	0.059	S	RLE	1.5	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	Fluorene	0.089 U	3200	B, NC	No	<1	0.081	S	RLE	1.1	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	Hexachlorobenzene	0.089 U	0.63	B, Carc	No	<1	0.0023	S	RLE	39	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	Hexachlorobutadiene	0.18 U	13	B, Carc	No	<1	0.0080	S	RLE	23	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	Mercury	0.06 U	2	A	No	<1	0.030	S	RLE	2.0	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	N-Nitrosodiphenylamine	0.089 U	200	B, Carc	No	<1	0.012	S	RLE	7.4	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	Pentachlorophenol	0.44 U	8.3	B, Carc	No	<1	0.037	S	RLE	12	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	Phenol	0.18 U	48000	B, NC	No	<1	0.12	S	RLE	1.5	SECOR 4/15/94*
EX-SE2-4	9/14/1993	4	Toluene	0.0017	7	A	No	<1	NA	NA	NA	NA	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	Acenaphthylene	0.078 U	NA	NA	NA	NA	0.069	S	RLE	1.1	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	Dibenz(a,h)anthracene	0.078 U	NA	NA	NA	NA	0.033	S	RLE	2.4	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	Fluoranthene	0.06 J	3200	B, NC	No	<1	1.2	S	No	<1	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	Toluene	0.0012 J	7	A	No	<1	NA	NA	NA	NA	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	1,2,4-Trichlorobenzene	0.078 U	800	B, NC	No	<1	0.0025	S	RLE	31	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	1,2-Dichlorobenzene	0.078 U	7200	B, Carc	No	<1	0.0038	S	RLE	21	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	1,4-Dichlorobenzene	0.078 U	42	B, Carc	No	<1	0.015	S	RLE	5.2	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	2,4-Dimethylphenol	0.16 U	1600	B, NC	No	<1	0.0020	S	RLE	80	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	2-Methyl naphthalene	0.078 U	320	B, NC	No	<1	0.073	S	RLE	1.1	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	2-Methylphenol (o-cresol)	0.078 U	4000	B, NC	No	<1	0.0052	S	RLE	15	SECOR 4/15/94*

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
EX-SNW-4	9/14/1993	4	4-Methylphenol (p-cresol)	0.078 U	400	B, NC	No	<1	0.056	S	RLE	1.4	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	Acenaphthene	0.078 U	4800	B, NC	No	<1	0.060	S	RLE	1.3	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	Benzoic Acid	0.78 U	320000	B, NC	No	<1	0.68	S	RLE	1.1	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	Benzyl Alcohol	0.39 U	24000	B, NC	No	<1	0.070	S	RLE	5.6	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	Butylbenzylphthalate	0.078 U	16000	B, NC	No	<1	0.066	S	RLE	1.2	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	Dibenzofuran	0.078 U	160	B, NC	No	<1	0.059	S	RLE	1.3	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	Hexachlorobenzene	0.078 U	0.63	B, Carc	No	<1	0.0023	S	RLE	34	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	Hexachlorobutadiene	0.16 U	13	B, Carc	No	<1	0.0080	S	RLE	20	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	Mercury	0.06 U	2	A	No	<1	0.030	S	RLE	2.0	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	N-Nitrosodiphenylamine	0.078 U	200	B, Carc	No	<1	0.012	S	RLE	6.5	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	Pentachlorophenol	0.39 U	8.3	B, Carc	No	<1	0.037	S	RLE	11	SECOR 4/15/94*
EX-SNW-4	9/14/1993	4	Phenol	0.16 U	48000	B, NC	No	<1	0.12	S	RLE	1.3	SECOR 4/15/94*
EX-SSWCR-4	9/14/1993	4	Dibenz(a,h)anthracene	0.07 U	NA	NA	NA	NA	0.033	S	RLE	2.1	SECOR 4/15/94*
EX-SSWCR-4	9/14/1993	4	1,2,4-Trichlorobenzene	0.07 U	800	B, NC	No	<1	0.0025	S	RLE	28	SECOR 4/15/94*
EX-SSWCR-4	9/14/1993	4	1,2-Dichlorobenzene	0.07 U	7200	B, NC	No	<1	0.0038	S	RLE	18	SECOR 4/15/94*
EX-SSWCR-4	9/14/1993	4	1,4-Dichlorobenzene	0.07 U	42	B, Carc	No	<1	0.015	S	RLE	4.7	SECOR 4/15/94*
EX-SSWCR-4	9/14/1993	4	2,4-Dimethylphenol	0.14 U	1600	B, NC	No	<1	0.0020	S	RLE	70	SECOR 4/15/94*
EX-SSWCR-4	9/14/1993	4	2-Methylphenol (o-cresol)	0.07 U	4000	B, NC	No	<1	0.0052	S	RLE	13	SECOR 4/15/94*
EX-SSWCR-4	9/14/1993	4	4-Methylphenol (p-cresol)	0.07 U	400	B, NC	No	<1	0.056	S	RLE	1.3	SECOR 4/15/94*
EX-SSWCR-4	9/14/1993	4	Acenaphthene	0.07 U	4800	B, NC	No	<1	0.060	S	RLE	1.2	SECOR 4/15/94*
EX-SSWCR-4	9/14/1993	4	Benzyl Alcohol	0.35 U	24000	B, NC	No	<1	0.070	S	RLE	5.0	SECOR 4/15/94*
EX-SSWCR-4	9/14/1993	4	Butylbenzylphthalate	0.07 U	16000	B, NC	No	<1	0.066	S	RLE	1.1	SECOR 4/15/94*
EX-SSWCR-4	9/14/1993	4	Dibenzofuran	0.07 U	160	B, NC	No	<1	0.059	S	RLE	1.2	SECOR 4/15/94*
EX-SSWCR-4	9/14/1993	4	Hexachlorobenzene	0.07 U	0.63	B, Carc	No	<1	0.0023	S	RLE	30	SECOR 4/15/94*
EX-SSWCR-4	9/14/1993	4	Hexachlorobutadiene	0.14 U	13	B, Carc	No	<1	0.0080	S	RLE	18	SECOR 4/15/94*
EX-SSWCR-4	9/14/1993	4	Mercury	0.06 U	2	A	No	<1	0.030	S	RLE	2.0	SECOR 4/15/94*
EX-SSWCR-4	9/14/1993	4	N-Nitrosodiphenylamine	0.07 U	200	B, Carc	No	<1	0.012	S	RLE	5.8	SECOR 4/15/94*
EX-SSWCR-4	9/14/1993	4	Pentachlorophenol	0.35 U	8.3	B, Carc	No	<1	0.037	S	RLE	9.5	SECOR 4/15/94*
EX-SSWCR-4	9/14/1993	4	Phenol	0.14 U	48000	B, NC	No	<1	0.12	S	RLE	1.2	SECOR 4/15/94*
MW2@6-6.5	11/29/1993	6	Diesel Range Hydrocarbons	1500	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/13/94*
MW2@6-6.5	11/29/1993	6	Diesel Range Hydrocarbons	810	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/13/94*
MW2@6-6.5	11/29/1993	6	Benzene	0.06 U	0.03	A	RLE	2.0	NA	NA	NA	NA	SECOR 4/13/94*
MW2@6-6.5	11/29/1993	6	Gasoline Range Hydrocarbons	210	30	A	Yes	7.0	NA	NA	NA	NA	SECOR 4/13/94*
MW2@6-6.5	11/29/1993	6	Gasoline Range Hydrocarbons	2000	30	A	Yes	67	NA	NA	NA	NA	SECOR 4/13/94*
MW4@10.5-11	11/29/1993	10.5	Diesel Range Hydrocarbons	82	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/13/94*
MW4@10.5-11	11/29/1993	10.5	Diesel Range Hydrocarbons	75	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/13/94*
MW4@10.5-11	11/29/1993	10.5	Gasoline Range Hydrocarbons	12	30	A	No	<1	NA	NA	NA	NA	SECOR 4/13/94*
MW4@10.5-11	11/29/1993	10.5	Benzene	0.061 U	0.03	A	RLE	2.0	NA	NA	NA	NA	SECOR 4/13/94*
MW4@10.5-11	11/29/1993	10.5	Gasoline Range Hydrocarbons	52	30	A	Yes	1.7	NA	NA	NA	NA	SECOR 4/13/94*
MW4@15.5-16	11/29/1993	15.5	Diesel Range Hydrocarbons	46	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/13/94*
MW4@15.5-16	11/29/1993	15.5	Diesel Range Hydrocarbons	22	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/13/94*
MW4@15.5-16	11/29/1993	15.5	Gasoline Range Hydrocarbons	26	30	A	No	<1	NA	NA	NA	NA	SECOR 4/13/94*
MW4@15.5-16	11/29/1993	15.5	Gasoline Range Hydrocarbons	24	30	A	No	<1	NA	NA	NA	NA	SECOR 4/13/94*
MW4@15.5-16	11/29/1993	15.5	Benzene	0.064 U	0.03	A	RLE	2.1	NA	NA	NA	NA	SECOR 4/13/94*
MW4@6.5-7	11/29/1993	6.5	Diesel Range Hydrocarbons	1600	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/13/94*
MW4@6.5-7	11/29/1993	6.5	Diesel Range Hydrocarbons	600	2000	A	No	<1	NA	NA	NA	NA	SECOR 4/13/94*
MW4@6.5-7	11/29/1993	6.5	Xylenes, total	0.27	9	A	No	<1	NA	NA	NA	NA	SECOR 4/13/94*
MW4@6.5-7	11/29/1993	6.5	Benzene	0.064 U	0.03	A	RLE	2.1	NA	NA	NA	NA	SECOR 4/13/94*
MW4@6.5-7	11/29/1993	6.5	Gasoline Range Hydrocarbons	500	30	A	Yes	17	NA	NA	NA	NA	SECOR 4/13/94*
MW4@6.5-7	11/29/1993	6.5	Gasoline Range Hydrocarbons	560	30	A	Yes	19	NA	NA	NA	NA	SECOR 4/13/94*
<b>Building 3-354</b>													
SB-1A-1B	10/30/1991		Aroclor 1260	0.0003	NA	NA	NA	NA	1.3	V	No	<1	GTI 11/11/91*

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
SB-1A-1B	10/30/1991		PCB, total	0.0003	0.5	B, Carc	No	<1	1.3	V	No	<1	GTI 11/11/91*
SB-1A-1B	10/30/1991		Total Petroleum Hydrocarbons	15	2000	A	No	<1	NA	NA	NA	NA	GTI 11/11/91*
SB-2B-2C	10/30/1991		Total Petroleum Hydrocarbons	10	2000	A	No	<1	NA	NA	NA	NA	GTI 11/11/91*
SB-6B-6C	10/30/1991		Total Petroleum Hydrocarbons	64	2000	A	No	<1	NA	NA	NA	NA	GTI 11/11/91*
SB-7A-7B	10/30/1991		Total Petroleum Hydrocarbons	180	2000	A	No	<1	NA	NA	NA	NA	GTI 11/11/91*
SB-8A-8B	10/30/1991		Total Petroleum Hydrocarbons	140	2000	A	No	<1	NA	NA	NA	NA	GTI 11/11/91*
<b>North Boeing Field-Georgetown Steam Plant Fence Line Area</b>													
<b>UBF-25</b>													
E-Side	9/13/1989	4.0	Total Petroleum Hydrocarbons	20	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
N-Side	9/13/1989	4.0	Toluene	0.092	7	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
N-Side	9/13/1989	4.0	Total Petroleum Hydrocarbons	35	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
N-Side	9/13/1989	4.0	Xylenes, total	0.035	9	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
S-Side	9/13/1989	4.0	Total Petroleum Hydrocarbons	32	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
W-Side	9/13/1989	4.0	Total Petroleum Hydrocarbons	73	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
<b>Oil/Water Separator UBF-55 and Tank UBF-27</b>													
P1/3.4-5.9	9/15/1997	3.4000001	Aroclor 1248	0.22	NA	NA	NA	NA	1.3	V	No	<1	AGI 10/10/97*
P1/3.4-5.9	9/15/1997	3.4000001	Aroclor 1254	0.063	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 10/10/97*
P1/3.4-5.9	9/15/1997	3.4000001	PCB, total	0.283	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI 10/10/97*
P2/2.2-4.1	9/15/1997	2.2	<b>Aroclor 1248</b>	<b>20 E</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>15</b>	<b>AGI 10/10/97*</b>
P2/2.2-4.1	9/15/1997	2.2	Aroclor 1260	4.5 U	NA	NA	NA	NA	1.3	V	RLE	3.5	AGI 10/10/97*
P2/2.2-4.1	9/15/1997	2.2	<b>Aroclor 1248</b>	<b>27</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>21</b>	<b>AGI 10/10/97*</b>
P2/2.2-4.1	9/15/1997	2.2	Aroclor 1016	4.5 U	5.6	B, NC	No	<1	1.3	V	RLE	3.5	AGI 10/10/97*
P2/2.2-4.1	9/15/1997	2.2	Diesel Range Hydrocarbons	34	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P2/2.2-4.1	9/15/1997	2.2	Heavy Oil Range Hydrocarbons	93	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P2/2.2-4.1	9/15/1997	2.2	<b>Aroclor 1254</b>	<b>8</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>5.0</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>6.2</b>	<b>AGI 10/10/97*</b>
P2/2.2-4.1	9/15/1997	2.2	<b>Aroclor 1254</b>	<b>9.4</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>5.9</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>7.2</b>	<b>AGI 10/10/97*</b>
P2/2.2-4.1	9/15/1997	2.2	<b>PCB, total</b>	<b>35.7</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>71</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>27</b>	<b>AGI 10/10/97*</b>
P3/2.2-4.1	9/15/1997	2.2	Aroclor 1260	1.9 U	NA	NA	NA	NA	1.3	V	RLE	1.5	AGI 10/10/97*
P3/2.2-4.1	9/15/1997	2.2	<b>Aroclor 1248</b>	<b>14</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>11</b>	<b>AGI 10/10/97*</b>
P3/2.2-4.1	9/15/1997	2.2	Chrysene	0.11	NA	NA	NA	NA	9.2	V	No	<1	AGI 10/10/97*
P3/2.2-4.1	9/15/1997	2.2	Phenanthrene	0.11	NA	NA	NA	NA	9.7	V	No	<1	AGI 10/10/97*
P3/2.2-4.1	9/15/1997	2.2	1,2,4-Trichlorobenzene	0.073 U	800	B, NC	No	<1	0.046	V	RLE	1.6	AGI 10/10/97*
P3/2.2-4.1	9/15/1997	2.2	1,2-Dichlorobenzene	0.073 U	7200	B, NC	No	<1	0.068	V	RLE	1.1	AGI 10/10/97*
P3/2.2-4.1	9/15/1997	2.2	2,4-Dimethylphenol	0.22 U	1600	B, NC	No	<1	0.037	V	RLE	5.9	AGI 10/10/97*
P3/2.2-4.1	9/15/1997	2.2	2-Methylphenol (o-cresol)	0.15 U	4000	B, NC	No	<1	0.091	V	RLE	1.6	AGI 10/10/97*
P3/2.2-4.1	9/15/1997	2.2	Aroclor 1016	1.9 U	5.6	B, NC	No	<1	1.3	V	RLE	1.5	AGI 10/10/97*
P3/2.2-4.1	9/15/1997	2.2	Hexachlorobenzene	0.073 U	0.63	B, Carc	No	<1	0.046	V	RLE	1.6	AGI 10/10/97*
P3/2.2-4.1	9/15/1997	2.2	bis(2-Ethylhexyl)phthalate	0.24	71	B, Carc	No	<1	1.6	V	No	<1	AGI 10/10/97*
P3/2.2-4.1	9/15/1997	2.2	Pyrene	0.2	2400	B, NC	No	<1	28	V	No	<1	AGI 10/10/97*
P3/2.2-4.1	9/15/1997	2.2	Diesel Range Hydrocarbons	1300	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P3/2.2-4.1	9/15/1997	2.2	Heavy Oil Range Hydrocarbons	550	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P3/2.2-4.1	9/15/1997	2.2	PAHs, total carcinogenic	0.0011	0.14	B, Carc	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P3/2.2-4.1	9/15/1997	2.2	N-nitroso-di-n-propylamine	0.15 U	0.14	B, Carc	RLE	1.1	NA	NA	NA	NA	AGI 10/10/97*
P3/2.2-4.1	9/15/1997	2.2	<b>Aroclor 1254</b>	<b>3.7</b>	<b>1.6</b>	<b>B, NC</b>	<b>Yes</b>	<b>2.3</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>2.8</b>	<b>AGI 10/10/97*</b>
P3/2.2-4.1	9/15/1997	2.2	<b>PCB, total</b>	<b>17.7</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>35</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>14</b>	<b>AGI 10/10/97*</b>
P3/2.2-4.1	9/15/1997	2.2	Gasoline Range Hydrocarbons	150	30	A	Yes	5.0	NA	NA	NA	NA	AGI 10/10/97*
P4/2.2-4.1	9/15/1997	2.2	<b>Aroclor 1248</b>	<b>26 E</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>20</b>	<b>AGI 10/10/97*</b>
P4/2.2-4.1	9/15/1997	2.2	Aroclor 1260	4.5 U	NA	NA	NA	NA	1.3	V	RLE	3.5	AGI 10/10/97*
P4/2.2-4.1	9/15/1997	2.2	<b>Aroclor 1248</b>	<b>37</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>28</b>	<b>AGI 10/10/97*</b>
P4/2.2-4.1	9/15/1997	2.2	Aroclor 1016	4.5 U	5.6	B, NC	No	<1	1.3	V	RLE	3.5	AGI 10/10/97*
P4/2.2-4.1	9/15/1997	2.2	Diesel Range Hydrocarbons	100	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P4/2.2-4.1	9/15/1997	2.2	Heavy Oil Range Hydrocarbons	67	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*



**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
P4/2.2-4.1	9/15/1997	2.2	Aroclor 1254	7.9	1.6	B, NC	Yes	4.9	1.3	V	Yes	6.1	AGI 10/10/97*
P4/2.2-4.1	9/15/1997	2.2	Aroclor 1254	9.3	1.6	B, NC	Yes	5.8	1.3	V	Yes	7.2	AGI 10/10/97*
P4/2.2-4.1	9/15/1997	2.2	PCB, total	45.6	0.5	B, Carc	Yes	91	1.3	V	Yes	35	AGI 10/10/97*
P5/2.9-4.1	9/15/1997	2.9000001	Aroclor 1262	0.015 J	NA	NA	NA	NA	NA	NA	NA	NA	AGI 10/10/97*
P5/2.9-4.1	9/15/1997	2.9000001	Aroclor 1262	0.013 J	NA	NA	NA	NA	NA	NA	NA	NA	AGI 10/10/97*
P5/2.9-4.1	9/15/1997	2.9000001	Aroclor 1254	0.022 J	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 10/10/97*
P5/2.9-4.1	9/15/1997	2.9000001	Aroclor 1254	0.016 J	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 10/10/97*
P5/2.9-4.1	9/15/1997	2.9000001	PCB, total	0.033	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI 10/10/97*
P5/2.9-4.1	9/15/1997	2.9000001	Heavy Oil Range Hydrocarbons	16	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P6/0.3-2.2	9/15/1997	0.3	Aroclor 1262	0.048	NA	NA	NA	NA	NA	NA	NA	NA	AGI 10/10/97*
P6/0.3-2.2	9/15/1997	0.3	PCB, total	0.048	0.5	B, Carc	No	<1	1	V	No	<1	AGI 10/10/97*
P6/0.3-2.2	9/15/1997	0.3	Diesel Range Hydrocarbons	460	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P6/0.3-2.2	9/15/1997	0.3	Gasoline Range Hydrocarbons	8.2	30	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P6/0.3-2.2	9/15/1997	0.3	Heavy Oil Range Hydrocarbons	360	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P6/2.2-4.1	9/15/1997	2.2	Aroclor 1262	0.018 J	NA	NA	NA	NA	NA	NA	NA	NA	AGI 10/10/97*
P6/2.2-4.1	9/15/1997	2.2	PCB, total	0.018	0.5	B, Carc	No	<1	1	V	No	<1	AGI 10/10/97*
P6/2.2-4.1	9/15/1997	2.2	Diesel Range Hydrocarbons	26	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P6/2.2-4.1	9/15/1997	2.2	Heavy Oil Range Hydrocarbons	51	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P7/0.3-2.2	9/15/1997	0.3	Aroclor 1248	43 U	NA	NA	NA	NA	1.3	V	RLE	33	AGI 10/10/97*
P7/0.3-2.2	9/15/1997	0.3	Aroclor 1260	43 U	NA	NA	NA	NA	1.3	V	RLE	33	AGI 10/10/97*
P7/0.3-2.2	9/15/1997	0.3	Diesel Range Hydrocarbons	220	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P7/0.3-2.2	9/15/1997	0.3	Heavy Oil Range Hydrocarbons	200	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P7/0.3-2.2	9/15/1997	0.3	Aroclor 1016	43 U	5.6	B, NC	RLE	7.7	1.3	V	RLE	33	AGI 10/10/97*
P7/0.3-2.2	9/15/1997	0.3	Aroclor 1254	260	1.6	B, NC	Yes	163	1.3	V	Yes	200	AGI 10/10/97*
P7/0.3-2.2	9/15/1997	0.3	PCB, total	260	0.5	B, Carc	Yes	520	1.3	V	Yes	200	AGI 10/10/97*
P7/2.2-4.1	9/15/1997	2.2	Chrysene	0.11	NA	NA	NA	NA	9.2	V	No	<1	AGI 10/10/97*
P7/2.2-4.1	9/15/1997	2.2	1,2,4-Trichlorobenzene	0.073 U	800	B, NC	No	<1	0.046	V	RLE	1.6	AGI 10/10/97*
P7/2.2-4.1	9/15/1997	2.2	1,2-Dichlorobenzene	0.073 U	7200	B, NC	No	<1	0.068	V	RLE	1.1	AGI 10/10/97*
P7/2.2-4.1	9/15/1997	2.2	2,4-Dimethylphenol	0.22 U	1600	B, NC	No	<1	0.037	V	RLE	5.9	AGI 10/10/97*
P7/2.2-4.1	9/15/1997	2.2	2-Methylphenol (o-cresol)	0.15 U	4000	B, NC	No	<1	0.091	V	RLE	1.6	AGI 10/10/97*
P7/2.2-4.1	9/15/1997	2.2	Hexachlorobenzene	0.073 U	0.63	B, Carc	No	<1	0.046	V	RLE	1.6	AGI 10/10/97*
P7/2.2-4.1	9/15/1997	2.2	bis(2-Ethylhexyl)phthalate	0.11	71	B, Carc	No	<1	1.6	V	No	<1	AGI 10/10/97*
P7/2.2-4.1	9/15/1997	2.2	Acetone	0.03	8000	B, NC	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P7/2.2-4.1	9/15/1997	2.2	Diesel Range Hydrocarbons	340	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P7/2.2-4.1	9/15/1997	2.2	Heavy Oil Range Hydrocarbons	370	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P7/2.2-4.1	9/15/1997	2.2	PAHs, total carcinogenic	0.0011	0.14	B, Carc	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P7/2.2-4.1	9/15/1997	2.2	N-nitroso-di-n-propylamine	0.15 U	0.14	B, Carc	RLE	1.1	NA	NA	NA	NA	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2	Aroclor 1248	2.3 E	NA	NA	NA	NA	1.3	V	Yes	1.8	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2	Aroclor 1248	2 E	NA	NA	NA	NA	1.3	V	Yes	1.5	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2	Aroclor 1248	4	NA	NA	NA	NA	1.3	V	Yes	3.1	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2	Aroclor 1248	3.9	NA	NA	NA	NA	1.3	V	Yes	3.0	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2	Aroclor 1254	1.1 E	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2	Aroclor 1254	1.2 E	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2	Aroclor 1254	1.4	1.6	B, NC	No	<1	1.3	V	Yes	1.1	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2	Aroclor 1254	1.5	1.6	B, NC	No	<1	1.3	V	Yes	1.2	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2	Diesel Range Hydrocarbons	150	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2	Diesel Range Hydrocarbons	190	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2	Heavy Oil Range Hydrocarbons	360	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2	Heavy Oil Range Hydrocarbons	370	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P8/2.2-4.1	9/15/1997	2.2	PCB, total	5.4	0.5	B, Carc	Yes	11	1.3	V	Yes	4.15	AGI 10/10/97*
P9/2.2-4.1	9/15/1997	2.2	Aroclor 1248	51 E	NA	NA	NA	NA	1.3	V	Yes	39	AGI 10/10/97*
P9/2.2-4.1	9/15/1997	2.2	Aroclor 1260	8.6 U	NA	NA	NA	NA	1.3	V	RLE	6.6	AGI 10/10/97*



**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
P9/2.2-4.1	9/15/1997	2.2	Aroclor 1248	82	NA	NA	NA	NA	1.3	V	Yes	63	AGI 10/10/97*
P9/2.2-4.1	9/15/1997	2.2	Diesel Range Hydrocarbons	99	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P9/2.2-4.1	9/15/1997	2.2	Heavy Oil Range Hydrocarbons	250	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P9/2.2-4.1	9/15/1997	2.2	Aroclor 1016	8.6 U	5.6	B, NC	RLE	1.5	1.3	V	RLE	6.6	AGI 10/10/97*
P9/2.2-4.1	9/15/1997	2.2	Aroclor 1254	10	1.6	B, NC	Yes	6.3	1.3	V	Yes	7.7	AGI 10/10/97*
P9/2.2-4.1	9/15/1997	2.2	Aroclor 1254	14	1.6	B, NC	Yes	8.8	1.3	V	Yes	11	AGI 10/10/97*
P9/2.2-4.1	9/15/1997	2.2	PCB, total	94	0.5	B, Carc	Yes	188	1.3	V	Yes	72	AGI 10/10/97*
P10/2.4-4.4	9/15/1997	2.4000001	Aroclor 1262	0.017 J	NA	NA	NA	NA	NA	NA	NA	NA	AGI 10/10/97*
P10/2.4-4.4	9/15/1997	2.4000001	PCB, total	0.017	0.5	B, Carc	No	<1	1	V	No	<1	AGI 10/10/97*
P10/2.4-4.4	9/15/1997	2.4000001	Diesel Range Hydrocarbons	11	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P10/2.4-4.4	9/15/1997	2.4000001	Diesel Range Hydrocarbons	11	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P10/2.4-4.4	9/15/1997	2.4000001	Heavy Oil Range Hydrocarbons	53	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P10/2.4-4.4	9/15/1997	2.4000001	Heavy Oil Range Hydrocarbons	35	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	Aroclor 1262	0.028 J	NA	NA	NA	NA	NA	NA	NA	NA	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	1,2,4-Trichlorobenzene	0.072 U	800	B, NC	No	<1	0.046	V	RLE	1.6	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	1,2,4-Trichlorobenzene	0.36 U	800	B, NC	No	<1	0.046	V	RLE	7.8	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	1,2-Dichlorobenzene	0.072 U	7200	B, NC	No	<1	0.068	V	RLE	1.1	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	1,2-Dichlorobenzene	0.36 U	7200	B, NC	No	<1	0.068	V	RLE	5.3	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	1,4-Dichlorobenzene	0.36 U	42	B, Carc	No	<1	0.27	V	RLE	1.3	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	2,4-Dimethylphenol	0.22 U	1600	B, NC	No	<1	0.037	V	RLE	5.9	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	2,4-Dimethylphenol	1.1 U	1600	B, NC	No	<1	0.037	V	RLE	30	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	2-Methylphenol (o-cresol)	0.14 U	4000	B, NC	No	<1	0.091	V	RLE	1.5	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	2-Methylphenol (o-cresol)	0.72 U	4000	B, NC	No	<1	0.091	V	RLE	7.9	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	Benzyl Alcohol	1.8 U	24000	B, NC	No	<1	1.0	V	RLE	1.8	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	Hexachlorobenzene	0.072 U	0.63	B, Carc	No	<1	0.046	V	RLE	1.6	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	Hexachlorobenzene	0.36 U	0.63	B, Carc	No	<1	0.046	V	RLE	7.8	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	Hexachlorobutadiene	0.72 U	13	B, Carc	No	<1	0.15	V	RLE	4.8	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	N-nitrosodiphenylamine	0.36 U	200	B, Carc	No	<1	0.23	V	RLE	1.6	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	Pentachlorophenol	1.8 U	8.3	B, Carc	No	<1	0.73	V	RLE	2.5	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	Aroclor 1254	0.042	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	bis(2-Ethylhexyl)phthalate	0.19	71	B, Carc	No	<1	1.6	V	No	<1	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	PCB, total	0.070	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	Acetone	0.016	8000	B, NC	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	Diesel Range Hydrocarbons	70	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	Heavy Oil Range Hydrocarbons	190	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	Benzo(a)pyrene	0.36 U	0.137	B, Carc	RLE	2.6	4.2	V	No	<1	AGI 10/10/97*
P11/2.2-4.1	9/15/1997	2.2	N-nitroso-di-n-propylamine	0.72 U	0.14	B, Carc	RLE	5.1	NA	NA	NA	NA	AGI 10/10/97*
P13B/2.2-4.1	9/15/1997	2.2	Aroclor 1248	0.5	NA	NA	NA	NA	1.3	V	No	<1	AGI 10/10/97*
P13B/2.2-4.1	9/15/1997	2.2	Aroclor 1254	0.16	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 10/10/97*
P13B/2.2-4.1	9/15/1997	2.2	Diesel Range Hydrocarbons	6.2	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P13B/2.2-4.1	9/15/1997	2.2	Heavy Oil Range Hydrocarbons	17	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P13B/2.2-4.1	9/15/1997	2.2	PCB, total	0.66	0.5	B, Carc	Yes	1.3	1.3	V	No	<1	AGI 10/10/97*
P14/2.3-4.1	9/15/1997	2.3	Aroclor 1254	0.095	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 10/10/97*
P14/2.3-4.1	9/15/1997	2.3	PCB, total	0.095	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI 10/10/97*
P14/2.3-4.1	9/15/1997	2.3	Diesel Range Hydrocarbons	15	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P14/2.3-4.1	9/15/1997	2.3	Heavy Oil Range Hydrocarbons	21	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2	Aroclor 1248	1.7 E	NA	NA	NA	NA	1.3	V	Yes	1.3	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2	Aroclor 1248	2 E	NA	NA	NA	NA	1.3	V	Yes	1.5	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2	Aroclor 1260	1.9 U	NA	NA	NA	NA	1.3	V	RLE	1.5	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2	Aroclor 1260	1.8 U	NA	NA	NA	NA	1.3	V	RLE	1.4	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2	Aroclor 1248	3.4	NA	NA	NA	NA	1.3	V	Yes	2.6	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2	Aroclor 1248	4.2	NA	NA	NA	NA	1.3	V	Yes	3.2	AGI 10/10/97*

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
P15/2.2-4.1	9/15/1997	2.2	Aroclor 1254	1.6 E	1.6	B, NC	No	1.0	1.3	V	Yes	1.2	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2	Aroclor 1016	1.9 U	5.6	B, NC	No	<1	1.3	V	RLE	1.5	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2	Aroclor 1016	1.8 U	5.6	B, NC	No	<1	1.3	V	RLE	1.4	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2	Diesel Range Hydrocarbons	21	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2	Diesel Range Hydrocarbons	22	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2	Heavy Oil Range Hydrocarbons	86	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2	Heavy Oil Range Hydrocarbons	88	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2	Aroclor 1254	2.2 E	1.6	B, NC	Yes	1.4	1.3	V	Yes	1.7	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2	Aroclor 1254	2.4	1.6	B, NC	Yes	1.5	1.3	V	Yes	1.8	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2	Aroclor 1254	2.9	1.6	B, NC	Yes	1.8	1.3	V	Yes	2.2	AGI 10/10/97*
P15/2.2-4.1	9/15/1997	2.2	PCB, total	6.45	0.5	B, Carc	Yes	13	1.3	V	Yes	5.0	AGI 10/10/97*
P16/0.3-2.2	9/15/1997	0.3	Aroclor 1248	53 E	NA	NA	NA	NA	1.3	V	Yes	41	AGI 10/10/97*
P16/0.3-2.2	9/15/1997	0.3	Aroclor 1260	22 U	NA	NA	NA	NA	1.3	V	RLE	17	AGI 10/10/97*
P16/0.3-2.2	9/15/1997	0.3	Aroclor 1248	100	NA	NA	NA	NA	1.3	V	Yes	77	AGI 10/10/97*
P16/0.3-2.2	9/15/1997	0.3	Diesel Range Hydrocarbons	190	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P16/0.3-2.2	9/15/1997	0.3	Heavy Oil Range Hydrocarbons	380	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P16/0.3-2.2	9/15/1997	0.3	Aroclor 1016	22 U	5.6	B, NC	RLE	3.9	1.3	V	RLE	17	AGI 10/10/97*
P16/0.3-2.2	9/15/1997	0.3	Aroclor 1254	44 E	1.6	B, NC	Yes	28	1.3	V	Yes	34	AGI 10/10/97*
P16/0.3-2.2	9/15/1997	0.3	Aroclor 1254	72	1.6	B, NC	Yes	45	1.3	V	Yes	55	AGI 10/10/97*
P16/0.3-2.2	9/15/1997	0.3	PCB, total	172	0.5	B, Carc	Yes	344	1.3	V	Yes	132	AGI 10/10/97*
P16/2.2-4.1	9/15/1997	2.2	1,2,4-Trichlorobenzene	0.076 U	800	B, NC	No	<1	0.046	V	RLE	1.7	AGI 10/10/97*
P16/2.2-4.1	9/15/1997	2.2	1,2-Dichlorobenzene	0.076 U	7200	B, NC	No	<1	0.068	V	RLE	1.1	AGI 10/10/97*
P16/2.2-4.1	9/15/1997	2.2	2,4-Dimethylphenol	0.23 U	1600	B, NC	No	<1	0.037	V	RLE	6.2	AGI 10/10/97*
P16/2.2-4.1	9/15/1997	2.2	2-Methylphenol (o-cresol)	0.15 U	4000	B, NC	No	<1	0.091	V	RLE	1.6	AGI 10/10/97*
P16/2.2-4.1	9/15/1997	2.2	Hexachlorobenzene	0.076 U	0.63	B, Carc	No	<1	0.046	V	RLE	1.7	AGI 10/10/97*
P16/2.2-4.1	9/15/1997	2.2	Diesel Range Hydrocarbons	1900	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P16/2.2-4.1	9/15/1997	2.2	Gasoline Range Hydrocarbons	10	30	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P16/2.2-4.1	9/15/1997	2.2	Heavy Oil Range Hydrocarbons	550	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P16/2.2-4.1	9/15/1997	2.2	Toluene	0.002	7	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P16/2.2-4.1	9/15/1997	2.2	N-nitroso-di-n-propylamine	0.15 U	0.14	B, Carc	RLE	1.1	NA	NA	NA	NA	AGI 10/10/97*
P17/0.3-2.2	9/15/1997	0.3	Aroclor 1248	0.51	NA	NA	NA	NA	1.3	V	No	<1	AGI 10/10/97*
P17/0.3-2.2	9/15/1997	0.3	Aroclor 1254	0.41	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 10/10/97*
P17/0.3-2.2	9/15/1997	0.3	Diesel Range Hydrocarbons	52	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P17/0.3-2.2	9/15/1997	0.3	Heavy Oil Range Hydrocarbons	210	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P17/0.3-2.2	9/15/1997	0.3	PCB, total	0.92	0.5	B, Carc	Yes	1.8	1.3	V	No	<1	AGI 10/10/97*
P17/2.2-4.1	9/15/1997	2.2	Aroclor 1248	0.12	NA	NA	NA	NA	1.3	V	No	<1	AGI 10/10/97*
P17/2.2-4.1	9/15/1997	2.2	PCB, total	0.12	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI 10/10/97*
P17/2.2-4.1	9/15/1997	2.2	Heavy Oil Range Hydrocarbons	17	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P18/2.2-4.1	9/15/1997	2.2	Aroclor 1248	0.052	NA	NA	NA	NA	1.3	V	No	<1	AGI 10/10/97*
P18/2.2-4.1	9/15/1997	2.2	PCB, total	0.052	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI 10/10/97*
P18/2.2-4.1	9/15/1997	2.2	Diesel Range Hydrocarbons	14	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P18/2.2-4.1	9/15/1997	2.2	Heavy Oil Range Hydrocarbons	91	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P19/2.2-4.1	9/15/1997	2.2	Aroclor 1248	0.12	NA	NA	NA	NA	1.3	V	No	<1	AGI 10/10/97*
P19/2.2-4.1	9/15/1997	2.2	Aroclor 1254	0.052	1.6	B, NC	No	<1	1.3	V	No	<1	AGI 10/10/97*
P19/2.2-4.1	9/15/1997	2.2	PCB, total	0.172	0.5	B, Carc	No	<1	1.3	V	No	<1	AGI 10/10/97*
P19/2.2-4.1	9/15/1997	2.2	Diesel Range Hydrocarbons	17	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
P19/2.2-4.1	9/15/1997	2.2	Heavy Oil Range Hydrocarbons	12	2000	A	No	<1	NA	NA	NA	NA	AGI 10/10/97*
<b>Dead Tree Investigation</b>													
SB-1	5/23/1990	5.0	1,2-Dichlorobenzene	0.5 U	7200	B, NC	No	<1	0.068	V	RLE	7.4	GTI 7/16/90
SB-1	5/23/1990	5.0	1,4-Dichlorobenzene	0.5 U	42	B, Carc	No	<1	0.27	V	RLE	1.9	GTI 7/16/90
SB-1	5/23/1990	5.0	Total Petroleum Hydrocarbons	8	2000	A	No	<1	NA	NA	NA	NA	GTI 7/16/90
SB-1	5/23/1990	5.0	Methylene Chloride	0.5 U	0.02	A	RLE	25	NA	NA	NA	NA	GTI 7/16/90

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
SB-1	5/23/1990	5.0	Tetrachloroethene	0.5 U	0.05	A	RLE	10	NA	NA	NA	NA	GTI 7/16/90
SB-1	5/23/1990	5.0	Trichloroethene	0.5 U	0.03	A	RLE	17	NA	NA	NA	NA	GTI 7/16/90
SB-1	5/23/1990	5.0	Vinyl Chloride	1 U	0.67	B, Carc	RLE	1.5	NA	NA	NA	NA	GTI 7/16/90
SB-3	5/23/1990	6.0	1,2-Dichlorobenzene	0.5 U	7200	B, NC	No	<1	0.068	V	RLE	7.4	GTI 7/16/90
SB-3	5/23/1990	6.0	1,4-Dichlorobenzene	0.5 U	42	B, Carc	No	<1	0.27	V	RLE	1.9	GTI 7/16/90
SB-3	5/23/1990	6.0	Methylene Chloride	0.5 U	0.02	A	RLE	25	NA	NA	NA	NA	GTI 7/16/90
SB-3	5/23/1990	6.0	Tetrachloroethene	0.5 U	0.05	A	RLE	10	NA	NA	NA	NA	GTI 7/16/90
SB-3	5/23/1990	6.0	Trichloroethene	0.5 U	0.03	A	RLE	17	NA	NA	NA	NA	GTI 7/16/90
SB-3	5/23/1990	6.0	Vinyl Chloride	1 U	0.67	B, Carc	RLE	1.5	NA	NA	NA	NA	GTI 7/16/90
SB-4	5/23/1990	10.0	Aroclor 1248	0.1 U	NA	NA	NA	NA	0.065	S	RLE	1.5	GTI 7/16/90
SB-4	5/23/1990	10.0	Aroclor 1260	0.1 U	NA	NA	NA	NA	0.065	S	RLE	1.5	GTI 7/16/90
SB-4	5/23/1990	10.0	Aroclor 1016	0.1 U	5.6	B, NC	No	<1	0.066	S	RLE	1.5	GTI 7/16/90
SB-4	5/23/1990	10.0	Aroclor 1254	0.1 U	1.6	B, NC	No	<1	0.065	S	RLE	1.5	GTI 7/16/90
SB-4	5/23/1990	10.0	Total Petroleum Hydrocarbons	8	2000	A	No	<1	NA	NA	NA	NA	GTI 7/16/90
SB-5	5/23/1990	6.5	1,2-Dichlorobenzene	0.5 U	7200	B, NC	No	<1	0.068	V	RLE	7.4	GTI 7/16/90
SB-5	5/23/1990	6.5	1,4-Dichlorobenzene	0.5 U	42	B, Carc	No	<1	0.27	V	RLE	1.9	GTI 7/16/90
SB-5	5/23/1990	6.5	Methylene Chloride	0.5 U	0.02	A	RLE	25	NA	NA	NA	NA	GTI 7/16/90
SB-5	5/23/1990	6.5	Tetrachloroethene	0.5 U	0.05	A	RLE	10	NA	NA	NA	NA	GTI 7/16/90
SB-5	5/23/1990	6.5	Trichloroethene	0.5 U	0.03	A	RLE	17	NA	NA	NA	NA	GTI 7/16/90
SB-5	5/23/1990	6.5	Vinyl Chloride	1 U	0.67	B, Carc	RLE	1.5	NA	NA	NA	NA	GTI 7/16/90
SB-7	5/23/1990	6.5	1,2-Dichlorobenzene	0.5 U	7200	B, NC	No	<1	0.068	V	RLE	7.4	GTI 7/16/90
SB-7	5/23/1990	6.5	1,4-Dichlorobenzene	0.5 U	42	B, Carc	No	<1	0.27	V	RLE	1.9	GTI 7/16/90
SB-7	5/23/1990	6.5	Methylene Chloride	0.5 U	0.02	A	RLE	25	NA	NA	NA	NA	GTI 7/16/90
SB-7	5/23/1990	6.5	Tetrachloroethene	0.5 U	0.05	A	RLE	10	NA	NA	NA	NA	GTI 7/16/90
SB-7	5/23/1990	6.5	Trichloroethene	0.5 U	0.03	A	RLE	17	NA	NA	NA	NA	GTI 7/16/90
SB-7	5/23/1990	6.5	Vinyl Chloride	1 U	0.67	B, Carc	RLE	1.5	NA	NA	NA	NA	GTI 7/16/90
SB-9	5/23/1990	6.5	Total Petroleum Hydrocarbons	7	2000	A	No	<1	NA	NA	NA	NA	GTI 7/16/90
<b>NBF-GTSP Fence Line Investigation</b>													
S-1	11/17/2005	0.0	Aroclor 1260	0.06	NA	NA	NA	NA	1.3	V	No	<1	Bach 12/5/05
S-1	11/17/2005	0.0	Aroclor 1254	0.078	1.6	B, NC	No	<1	1.3	V	No	<1	Bach 12/5/05
S-1	11/17/2005	0.0	PCB, total	0.138	0.5	B, Carc	No	<1	1.3	V	No	<1	Bach 12/5/05
S-2	11/17/2005	0.0	Aroclor 1260	0.067	NA	NA	NA	NA	1.3	V	No	<1	Bach 12/5/05
S-2	11/17/2005	0.0	Aroclor 1254	0.092	1.6	B, NC	No	<1	1.3	V	No	<1	Bach 12/5/05
S-2	11/17/2005	0.0	PCB, total	0.159	0.5	B, Carc	No	<1	1.3	V	No	<1	Bach 12/5/05
S-3	11/17/2005	0.0	Aroclor 1260	0.1	NA	NA	NA	NA	1.3	V	No	<1	Bach 12/5/05
S-3	11/17/2005	0.0	Aroclor 1254	0.086	1.6	B, NC	No	<1	1.3	V	No	<1	Bach 12/5/05
S-3	11/17/2005	0.0	PCB, total	0.186	0.5	B, Carc	No	<1	1.3	V	No	<1	Bach 12/5/05
S-4	11/17/2005	0.0	Aroclor 1260	0.096	NA	NA	NA	NA	1.3	V	No	<1	Bach 12/5/05
S-4	11/17/2005	0.0	Aroclor 1254	0.1	1.6	B, NC	No	<1	1.3	V	No	<1	Bach 12/5/05
S-4	11/17/2005	0.0	PCB, total	0.196	0.5	B, Carc	No	<1	1.3	V	No	<1	Bach 12/5/05
S-5	11/17/2005	0.0	Aroclor 1254	0.23	1.6	B, NC	No	<1	1.3	V	No	<1	Bach 12/5/05
S-5	11/17/2005	0.0	PCB, total	0.23	0.5	B, Carc	No	<1	1.3	V	No	<1	Bach 12/5/05
S-6	11/17/2005	0.0	Aroclor 1260	0.11	NA	NA	NA	NA	1.3	V	No	<1	Bach 12/5/05
S-6	11/17/2005	0.0	Aroclor 1254	0.072	1.6	B, NC	No	<1	1.3	V	No	<1	Bach 12/5/05
S-6	11/17/2005	0.0	PCB, total	0.182	0.5	B, Carc	No	<1	1.3	V	No	<1	Bach 12/5/05
S-7	11/17/2005	0.0	Aroclor 1254	0.11	1.6	B, NC	No	<1	1.3	V	No	<1	Bach 12/5/05
S-7	11/17/2005	0.0	PCB, total	0.11	0.5	B, Carc	No	<1	1.3	V	No	<1	Bach 12/5/05
S-8	11/17/2005	0.0	Aroclor 1254	0.049	1.6	B, NC	No	<1	1.3	V	No	<1	Bach 12/5/05
S-8	11/17/2005	0.0	PCB, total	0.049	0.5	B, Carc	No	<1	1.3	V	No	<1	Bach 12/5/05
S-9	11/17/2005	0.0	Aroclor 1254	0.058	1.6	B, NC	No	<1	1.3	V	No	<1	Bach 12/5/05
S-9	11/17/2005	0.0	PCB, total	0.058	0.5	B, Carc	No	<1	1.3	V	No	<1	Bach 12/5/05
S-10	11/17/2005	0.0	Aroclor 1254	0.056	1.6	B, NC	No	<1	1.3	V	No	<1	Bach 12/5/05

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
S-10	11/17/2005	0.0	PCB, total	0.056	0.5	B, Carc	No	<1	1.3	V	No	<1	Bach 12/5/05
S-11	11/17/2005	0.0	Aroclor 1254	0.78	1.6	B, NC	No	<1	1.3	V	No	<1	Bach 12/5/05
S-11	11/17/2005	0.0	PCB, total	0.78	0.5	B, Carc	Yes	1.6	1.3	V	No	<1	Bach 12/5/05
S-12	11/17/2005	0.0	Aroclor 1254	0.2	1.6	B, NC	No	<1	1.3	V	No	<1	Bach 12/5/05
S-12	11/17/2005	0.0	PCB, total	0.2	0.5	B, Carc	No	<1	1.3	V	No	<1	Bach 12/5/05
S-13	11/17/2005	0.0	Aroclor 1254	2.2	1.6	B, NC	Yes	1.4	1.3	V	Yes	1.7	Bach 12/5/05
S-13	11/17/2005	0.0	PCB, total	2.2	0.5	B, Carc	Yes	4.4	1.3	V	Yes	1.7	Bach 12/5/05
S-14	11/17/2005	0.0	Aroclor 1254	0.63	1.6	B, NC	No	<1	1.3	V	No	<1	Bach 12/5/05
S-14	11/17/2005	0.0	PCB, total	0.63	0.5	B, Carc	Yes	1.3	1.3	V	No	<1	Bach 12/5/05
S-15	11/17/2005	0.0	Aroclor 1254	6.8	1.6	B, NC	Yes	4.3	1.3	V	Yes	5.2	Bach 12/5/05
S-15	11/17/2005	0.0	PCB, total	6.8	0.5	B, Carc	Yes	14	1.3	V	Yes	5.2	Bach 12/5/05
S-16	11/17/2005	0.0	Aroclor 1248	180 U	NA	NA	NA	NA	1.3	V	RLE	138	Bach 12/5/05
S-16	11/17/2005	0.0	Aroclor 1260	180 U	NA	NA	NA	NA	1.3	V	RLE	138	Bach 12/5/05
S-16	11/17/2005	0.0	Aroclor 1016	88 U	5.6	B, NC	RLE	16	1.3	V	RLE	68	Bach 12/5/05
S-16	11/17/2005	0.0	Aroclor 1254	2400	1.6	B, NC	Yes	1500	1.3	V	Yes	1846	Bach 12/5/05
S-16	11/17/2005	0.0	PCB, total	2400	0.5	B, Carc	Yes	4800	1.3	V	Yes	1846	Bach 12/5/05
S-17	11/17/2005	0.0	Aroclor 1254	5.1	1.6	B, NC	Yes	3.2	1.3	V	Yes	3.9	Bach 12/5/05
S-17	11/17/2005	0.0	PCB, total	5.1	0.5	B, Carc	Yes	10	1.3	V	Yes	3.9	Bach 12/5/05
S-18	11/17/2005	0.0	Aroclor 1248	1.8 U	NA	NA	NA	NA	1.3	V	RLE	1.4	Bach 12/5/05
S-18	11/17/2005	0.0	Aroclor 1260	1.8 U	NA	NA	NA	NA	1.3	V	RLE	1.4	Bach 12/5/05
S-18	11/17/2005	0.0	Aroclor 1016	1.8 U	5.6	B, NC	No	<1	1.3	V	RLE	1.4	Bach 12/5/05
S-18	11/17/2005	0.0	Aroclor 1254	22	1.6	B, NC	Yes	14	1.3	V	Yes	17	Bach 12/5/05
S-18	11/17/2005	0.0	PCB, total	22	0.5	B, Carc	Yes	44	1.3	V	Yes	17	Bach 12/5/05
S-19	11/17/2005	0.0	Aroclor 1248	4.4 U	NA	NA	NA	NA	1.3	V	RLE	3.4	Bach 12/5/05
S-19	11/17/2005	0.0	Aroclor 1260	17 U	NA	NA	NA	NA	1.3	V	RLE	13	Bach 12/5/05
S-19	11/17/2005	0.0	Aroclor 1016	4.4 U	5.6	B, NC	No	<1	1.3	V	RLE	3.4	Bach 12/5/05
S-19	11/17/2005	0.0	Aroclor 1254	400	1.6	B, NC	Yes	250	1.3	V	Yes	308	Bach 12/5/05
S-19	11/17/2005	0.0	PCB, total	400	0.5	B, Carc	Yes	800	1.3	V	Yes	308	Bach 12/5/05
S-20	11/17/2005	0.0	Aroclor 1248	4.6 U	NA	NA	NA	NA	1.3	V	RLE	3.5	Bach 12/5/05
S-20	11/17/2005	0.0	Aroclor 1260	9.3 U	NA	NA	NA	NA	1.3	V	RLE	7.2	Bach 12/5/05
S-20	11/17/2005	0.0	Aroclor 1016	4.6 U	5.6	B, NC	No	<1	1.3	V	RLE	3.5	Bach 12/5/05
S-20	11/17/2005	0.0	Aroclor 1254	98	1.6	B, NC	Yes	61	1.3	V	Yes	75	Bach 12/5/05
S-20	11/17/2005	0.0	PCB, total	98	0.5	B, Carc	Yes	196	1.3	V	Yes	75	Bach 12/5/05
<b>Storm Drain Re-Route</b>													
SLR-1 (3-4)	11/22/2006	3.0	Aroclor 1242	0.039	NA	NA	NA	NA	NA	NA	NA	NA	ARI 12/18/06
SLR-1 (3-4)	11/22/2006	3.0	PCB, total	0.039	0.5	B, Carc	No	<1	1.3	V	No	<1	ARI 12/18/06
SLR-1 (5-6)	11/22/2006	3.0	Aroclor 1248	1.9	NA	NA	NA	NA	1.3	V	Yes	1.5	ARI 12/18/06
SLR-1 (5-6)	11/22/2006	3.0	Aroclor 1254	1.9	1.6	B, NC	Yes	1.2	1.3	V	Yes	1.5	ARI 12/18/06
SLR-1 (5-6)	11/22/2006	3.0	PCB, total	3.8	0.5	B, Carc	Yes	7.6	1.3	V	Yes	2.9	ARI 12/18/06
SLR-2 (1-2)	11/22/2006	1.0	Aroclor 1248	4.4 U	NA	NA	NA	NA	1.3	V	RLE	3.4	ARI 12/18/06
SLR-2 (1-2)	11/22/2006	1.0	Aroclor 1248	44 U	NA	NA	NA	NA	1.3	V	RLE	34	ARI 12/18/06
SLR-2 (1-2)	11/22/2006	1.0	Aroclor 1260	4.4 U	NA	NA	NA	NA	1.3	V	RLE	3.4	ARI 12/18/06
SLR-2 (1-2)	11/22/2006	1.0	Aroclor 1260	44 U	NA	NA	NA	NA	1.3	V	RLE	34	ARI 12/18/06
SLR-2 (1-2)	11/22/2006	1.0	Aroclor 1016	4.4 U	5.6	B, NC	No	<1	1.3	V	RLE	3.4	ARI 12/18/06
SLR-2 (1-2)	11/22/2006	1.0	Aroclor 1016	44 U	5.6	B, NC	RLE	7.9	1.3	V	RLE	34	ARI 12/18/06
SLR-2 (1-2)	11/22/2006	1.0	Aroclor 1254	200 E	1.6	B, NC	Yes	125	1.3	V	Yes	154	ARI 12/18/06
SLR-2 (1-2)	11/22/2006	1.0	Aroclor 1254	200	1.6	B, NC	Yes	125	1.3	V	Yes	154	ARI 12/18/06
SLR-2 (1-2)	11/22/2006	1.0	PCB, total	200	0.5	B, Carc	Yes	400	1.3	V	Yes	154	ARI 12/18/06
SLR-2 (3-4)	11/22/2006	3.0	Aroclor 1248	0.850	NA	NA	NA	NA	1.3	V	No	<1	ARI 12/18/06
SLR-2 (3-4)	11/22/2006	3.0	PCB, total	0.850	0.5	B, Carc	Yes	1.7	1.3	V	No	<1	ARI 12/18/06
SLR-2 (5-6)	11/22/2006	5.0	Aroclor 1248	1.8 U	NA	NA	NA	NA	1.3	V	RLE	1.4	ARI 12/18/06
SLR-2 (5-6)	11/22/2006	5.0	Aroclor 1248	91 U	NA	NA	NA	NA	1.3	V	RLE	70	ARI 12/18/06

**Table D-1**  
**North Boeing Field - Propulsion Labs Engineering Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
SLR-2 (5-6)	11/22/2006	5.0	Aroclor 1260	1.8 U	NA	NA	NA	NA	1.3	V	RLE	1.4	ARI 12/18/06
SLR-2 (5-6)	11/22/2006	5.0	Aroclor 1260	91 U	NA	NA	NA	NA	1.3	V	RLE	70	ARI 12/18/06
SLR-2 (5-6)	11/22/2006	5.0	Aroclor 1016	1.8 U	5.6	B, NC	No	<1	1.3	V	RLE	1.4	ARI 12/18/06
SLR-2 (5-6)	11/22/2006	5.0	Diesel Range Hydrocarbons	67	2000	A	No	<1	NA	NA	NA	NA	ARI 12/18/06
SLR-2 (5-6)	11/22/2006	5.0	Heavy Oil Range Hydrocarbons	42	2000	A	No	<1	NA	NA	NA	NA	ARI 12/18/06
SLR-2 (5-6)	11/22/2006	5.0	Aroclor 1016	91 U	5.6	B, NC	RLE	16	1.3	V	RLE	70	ARI 12/18/06
SLR-2 (5-6)	11/22/2006	5.0	Aroclor 1254	300 E, P	1.6	B, NC	Yes	188	1.3	V	Yes	231	ARI 12/18/06
SLR-2 (5-6)	11/22/2006	5.0	Aroclor 1254	200	1.6	B, NC	Yes	125	1.3	V	Yes	154	ARI 12/18/06
SLR-2 (5-6)	11/22/2006	5.0	PCB, total	200	0.5	B, Carc	Yes	400	1.3	V	Yes	154	ARI 12/18/06
SLR-3 (1-2)	11/22/2006	1.0	Aroclor 1248	4.4 U	NA	NA	NA	NA	1.3	V	RLE	3.4	ARI 12/18/06
SLR-3 (1-2)	11/22/2006	1.0	Aroclor 1248	44 U	NA	NA	NA	NA	1.3	V	RLE	34	ARI 12/18/06
SLR-3 (1-2)	11/22/2006	1.0	Aroclor 1260	4.4 U	NA	NA	NA	NA	1.3	V	RLE	3.4	ARI 12/18/06
SLR-3 (1-2)	11/22/2006	1.0	Aroclor 1260	44 U	NA	NA	NA	NA	1.3	V	RLE	34	ARI 12/18/06
SLR-3 (1-2)	11/22/2006	1.0	Aroclor 1016	4.4 U	5.6	B, NC	No	<1	1.3	V	RLE	3.4	ARI 12/18/06
SLR-3 (1-2)	11/22/2006	1.0	Aroclor 1016	44 U	5.6	B, NC	RLE	7.9	1.3	V	RLE	34	ARI 12/18/06
SLR-3 (1-2)	11/22/2006	1.0	Aroclor 1254	270 E	1.6	B, NC	Yes	169	1.3	V	Yes	208	ARI 12/18/06
SLR-3 (1-2)	11/22/2006	1.0	Aroclor 1254	260	1.6	B, NC	Yes	163	1.3	V	Yes	200	ARI 12/18/06
SLR-3 (1-2)	11/22/2006	1.0	PCB, total	260	0.5	B, Carc	Yes	520	1.3	V	Yes	200	ARI 12/18/06
SLR-3 (3-4)	11/22/2006	3.0	Chloroform	0.0014 M	160	B, Carc	No	<1	NA	NA	NA	NA	ARI 12/18/06
SLR-3 (3-4)	11/22/2006	3.0	Acetone	0.078	8000	B, NC	No	<1	NA	NA	NA	NA	ARI 12/18/06
SLR-3 (3-4)	11/22/2006	3.0	Acetone	0.059	8000	B, NC	No	<1	NA	NA	NA	NA	ARI 12/18/06
SLR-3 (3-4)	11/22/2006	3.0	Carbon Disulfide	0.0018	8000	B, NC	No	<1	NA	NA	NA	NA	ARI 12/18/06
SLR-3 (3-4)	11/22/2006	3.0	cis-1,2-Dichloroethene	0.14	800	B, NC	No	<1	NA	NA	NA	NA	ARI 12/18/06
SLR-3 (3-4)	11/22/2006	3.0	cis-1,2-Dichloroethene	0.085	800	B, NC	No	<1	NA	NA	NA	NA	ARI 12/18/06
SLR-3 (3-4)	11/22/2006	3.0	trans-1,2-Dichloroethene	0.024	1600	B, NC	No	<1	NA	NA	NA	NA	ARI 12/18/06
SLR-3 (3-4)	11/22/2006	3.0	trans-1,2-Dichloroethene	0.014	1600	B, NC	No	<1	NA	NA	NA	NA	ARI 12/18/06
SLR-3 (3-4)	11/22/2006	3.0	Trichloroethene	0.035	0.03	A	Yes	1.2	NA	NA	NA	NA	ARI 12/18/06
SLR-3 (3-4)	11/22/2006	3.0	Trichloroethene	0.052	0.03	A	Yes	1.7	NA	NA	NA	NA	ARI 12/18/06
SLR-3 (5-6)	11/22/2006	5.0	Aroclor 1242	0.040 J	NA	NA	NA	NA	NA	NA	NA	NA	ARI 12/18/06
SLR-3 (5-6)	11/22/2006	5.0	PCB, total	0.040 J	0.5	B, Carc	No	<1	1.3	V	No	<1	ARI 12/18/06
SLR-4 (1-2)	11/22/2006	1.0	Aroclor 1254	2.3	1.6	B, NC	Yes	1.4	1.3	V	Yes	1.8	ARI 12/18/06
SLR-4 (1-2)	11/22/2006	1.0	PCB, total	2.3	0.5	B, Carc	Yes	4.6	1.3	V	Yes	1.8	ARI 12/18/06
SLR-4 (5-6)	11/22/2006	5.0	Diesel Range Hydrocarbons	66	2000	A	No	<1	NA	NA	NA	NA	ARI 12/18/06
SLR-4 (5-6)	11/22/2006	5.0	Heavy Oil Range Hydrocarbons	360	2000	A	No	<1	NA	NA	NA	NA	ARI 12/18/06
SLR-5 (1-2)	11/22/2006	1.0	Aroclor 1254	0.12	1.6	B, NC	No	<1	1.3	V	No	<1	ARI 12/18/06
SLR-5 (1-2)	11/22/2006	1.0	PCB, total	0.12	0.5	B, Carc	No	<1	1.3	V	No	<1	ARI 12/18/06
SLR-5 (4.5-5.0)	11/22/2006	4.5	Heavy Oil Range Hydrocarbons	23	2000	A	No	<1	NA	NA	NA	NA	ARI 12/18/06

Notes:  
feet bgs - feet below ground surface  
mg/kg - milligrams per kilogram  
\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.  
Soil samples from areas that have been excavated are not included in the table.

MTCA Cleanup Levels

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value  
B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact  
B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact  
The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

RLE - Reporting limit exceeds MTCA Cleanup Level and/or Soil-to-Sediment Screening Level; analyte not detected.

Soil-to-Sediment Screening Levels

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

**Table D-1  
North Boeing Field - Propulsion Labs Engineering Area  
Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Sediment Screening Level Exceedence Factor	Source
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S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the soil-to-sediment screening level.

Data Qualifiers

B - Indicates the analyte was detected in the associated laboratory method blank

E - Indicates that the value exceeded the linear range of the laboratory equipment

J - Estimated value between the laboratory reporting limit and the method detection limit

M - Indicates an estimated value of the analyte was found and confirmed by analyst, but with low spectral match parameters

P - Indicates the analyte was detected on two chromatographic columns, but the quantified values differ by 40% or greater relative percent difference with no obvious chromatographic interference.

U - Analyte not detected, number is the detection limit

UJ - Analyte not detected, number is the estimated detection limit

**Table D-2**  
**North Boeing Field - Propulsion Engineering Labs Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
<b>Area-wide Investigations</b>											
<b>PCB Investigation (2007)</b>											
NBF-GW01	9/10/2007	Aroclor 1248	1.9	NA	NA	NA	NA	1.5	Yes	1.3	Landau 11/14/07
NBF-GW01	9/10/2007	Aroclor 1254	1.0 U	0.32	B, NC	RLE	3.1	0.86	RLE	1.2	Landau 11/14/07
NBF-GW01	9/10/2007	Aroclor 1260	1.0 U	NA	NA	NA	NA	0.31	RLE	3.2	Landau 11/14/07
NBF-GW01	9/10/2007	PCB, total	1.9	0.044	B, Carc	Yes	43	1.5	Yes	1.3	Landau 11/14/07
NBF-GW02	9/12/2007	Aroclor 1254	1.0 U	0.32	B, NC	RLE	3.1	0.86	RLE	1.2	Landau 11/14/07
NBF-GW02	9/12/2007	Aroclor 1260	1.0 U	NA	NA	NA	NA	0.31	RLE	3.2	Landau 11/14/07
NBF-GW02	9/12/2007	PCB, total	1.0 U	0.044	B, Carc	RLE	23	1.5	No	<1	Landau 11/14/07
<b>Building 3-333</b>											
EXT WELL	1/26/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SECOR 2/16/95*
EXT WELL	1/26/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	SECOR 2/16/95*
EXT WELL	1/26/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	SECOR 2/16/95*
EXT WELL	1/26/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	SECOR 2/16/95*
EXT WELL	1/26/1995	Aroclor 1254	1 U	0.32	B, NC	RLE	3.1	0.86	RLE	1.2	SECOR 2/16/95*
EXT WELL	1/26/1995	Aroclor 1260	1 U	NA	NA	NA	NA	0.31	RLE	3.2	SECOR 2/16/95*
EXT WELL	1/26/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 2/16/95*
EXT WELL	1/26/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 2/16/95*
EXT WELL	1/26/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 2/16/95*
EXT WELL	1/26/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	SECOR 2/16/95*
EXT WELL	1/26/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 2/16/95*
EXT WELL	1/26/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 2/16/95*
EXT WELL	1/26/1995	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	SECOR 2/16/95*
EXT WELL	1/26/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 2/16/95*
EXT WELL	1/26/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	SECOR 2/16/95*
NGW151/MW-1	12/2/1994	Aroclor 1016	6.6 U	1.1	B, NC	RLE	6.0	2.4	RLE	2.8	SECOR 2/16/95*
NGW151/MW-1	12/2/1994	Aroclor 1248	160 U	NA	NA	NA	NA	1.5	RLE	107	SECOR 2/16/95*
NGW151/MW-1	12/2/1994	Aroclor 1260	80 U	NA	NA	NA	NA	0.31	RLE	258	SECOR 2/16/95*
NGW151/MW-1	12/2/1994	Benzene	1.6	0.8	B, Carc	Yes	2.0	NA	NA	NA	SECOR 2/16/95*
NGW151/MW-1	12/2/1994	Diesel Range Hydrocarbons	25000	500	A	Yes	50	NA	NA	NA	SECOR 2/16/95*
NGW151/MW-1	12/2/1994	Ethylbenzene	3.1	700	A	No	<1	NA	NA	NA	SECOR 2/16/95*
NGW151/MW-1	12/2/1994	Gasoline Range Hydrocarbons	2800	800	A	Yes	3.5	NA	NA	NA	SECOR 2/16/95*
NGW151/MW-1	12/2/1994	Toluene	1.3	640	B, NC	No	<1	NA	NA	NA	SECOR 2/16/95*
NGW151/MW-1	12/2/1994	Total Petroleum Hydrocarbons	23000	500	A	Yes	46	NA	NA	NA	SECOR 2/16/95*
NGW151/MW-1	1/25/1995	Aroclor 1248	4 U	NA	NA	NA	NA	1.5	RLE	2.7	SECOR 2/16/95*
NGW151/MW-1	1/25/1995	Aroclor 1254	1.1 U	0.32	B, NC	RLE	3.4	0.86	RLE	1.3	SECOR 2/16/95*
NGW151/MW-1	1/25/1995	Aroclor 1254	12	0.32	B, NC	Yes	38	0.86	Yes	14	SECOR 2/16/95*
NGW151/MW-1	1/25/1995	Aroclor 1260	1 U	NA	NA	NA	NA	0.31	RLE	3.2	SECOR 2/16/95*
NGW151/MW-1	1/25/1995	Aroclor 1260	1.1 U	NA	NA	NA	NA	0.31	RLE	3.5	SECOR 2/16/95*
NGW151/MW-1	1/25/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 2/16/95*
NGW151/MW-1	1/25/1995	Diesel Range Hydrocarbons	600	500	A	Yes	1.2	NA	NA	NA	SECOR 2/16/95*
NGW151/MW-1	1/25/1995	Gasoline Range Hydrocarbons	580	800	A	No	<1	NA	NA	NA	SECOR 2/16/95*
NGW151/MW-1	1/25/1995	Total Petroleum Hydrocarbons	2400	500	A	Yes	4.8	NA	NA	NA	SECOR 2/16/95*
NGW151/MW-1	1/26/1995	Aroclor 1254	12	0.32	B, NC	Yes	38	0.86	Yes	14	SECOR 2/16/95



**Table D-2**  
**North Boeing Field - Propulsion Engineering Labs Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW151/MW-1	1/26/1995	Diesel Range Hydrocarbons	600	500	A	Yes	1.2	NA	NA	NA	SECOR 2/16/95
NGW151/MW-1	1/26/1995	Gasoline Range Hydrocarbons	580	800	A	No	<1	NA	NA	NA	SECOR 2/16/95
<b>NGW151/MW-1</b>	<b>1/26/1995</b>	<b>PCB, total</b>	<b>12</b>	<b>0.044</b>	<b>B, Carc</b>	<b>Yes</b>	<b>273</b>	<b>1.5</b>	<b>Yes</b>	<b>8.0</b>	<b>SECOR 2/16/95</b>
NGW151/MW-1	1/26/1995	Total Petroleum Hydrocarbons	2400	500	A	Yes	4.8	NA	NA	NA	SECOR 2/16/95
NGW151/MW-1	5/24/1995	Aroclor 1016	2.5 U	1.1	B, NC	RLE	2.3	2.4	No	1.0	Not Recorded*
NGW151/MW-1	5/24/1995	Aroclor 1248	2.5 U	NA	NA	NA	NA	1.5	RLE	1.7	Not Recorded*
NGW151/MW-1	5/24/1995	Aroclor 1254	1 U	0.32	B, NC	RLE	3.1	0.86	RLE	1.2	Not Recorded*
<b>NGW151/MW-1</b>	<b>5/24/1995</b>	<b>Aroclor 1254</b>	<b>34</b>	<b>0.32</b>	<b>B, NC</b>	<b>Yes</b>	<b>106</b>	<b>0.86</b>	<b>Yes</b>	<b>40</b>	<b>Not Recorded*</b>
NGW151/MW-1	5/24/1995	Aroclor 1260	1 U	NA	NA	NA	NA	0.31	RLE	3.2	Not Recorded*
NGW151/MW-1	5/24/1995	Aroclor 1260	4.2 U	NA	NA	NA	NA	0.31	RLE	14	Not Recorded*
NGW151/MW-1	5/24/1995	Benzene	2.5	0.8	B, Carc	Yes	3.1	NA	NA	NA	Not Recorded*
NGW151/MW-1	5/24/1995	Diesel Range Hydrocarbons	3600	500	A	Yes	7.2	NA	NA	NA	Not Recorded*
NGW151/MW-1	5/24/1995	Ethylbenzene	1.8	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW151/MW-1	5/24/1995	Gasoline Range Hydrocarbons	1000	800	A	Yes	1.3	NA	NA	NA	Not Recorded*
<b>NGW151/MW-1</b>	<b>5/24/1995</b>	<b>PCB, total</b>	<b>34</b>	<b>0.044</b>	<b>B, NC</b>	<b>Yes</b>	<b>773</b>	<b>1.5</b>	<b>Yes</b>	<b>23</b>	<b>Not Recorded*</b>
NGW151/MW-1	5/24/1995	Total Petroleum Hydrocarbons	5600	500	A	Yes	11	NA	NA	NA	Not Recorded*
NGW151/MW-1	9/19/1995	Aroclor 1016	1.2 U	1.1	B, NC	RLE	1.1	2.4	No	<1	Not Recorded*
NGW151/MW-1	9/19/1995	Aroclor 1016	2.5 U	1.1	B, NC	RLE	2.3	2.4	No	1.0	Not Recorded*
NGW151/MW-1	9/19/1995	Aroclor 1248	4 U	NA	NA	NA	NA	1.5	RLE	2.7	Not Recorded*
NGW151/MW-1	9/19/1995	Aroclor 1254	1.2 U	0.32	B, NC	RLE	3.8	0.86	RLE	1.4	Not Recorded*
<b>NGW151/MW-1</b>	<b>9/19/1995</b>	<b>Aroclor 1254</b>	<b>61</b>	<b>0.32</b>	<b>B, NC</b>	<b>Yes</b>	<b>191</b>	<b>0.86</b>	<b>Yes</b>	<b>71</b>	<b>Not Recorded*</b>
NGW151/MW-1	9/19/1995	Aroclor 1260	1.2 U	NA	NA	NA	NA	0.31	RLE	3.9	Not Recorded*
NGW151/MW-1	9/19/1995	Aroclor 1260	9.5 U	NA	NA	NA	NA	0.31	RLE	31	Not Recorded*
NGW151/MW-1	9/19/1995	Benzene	1.5	0.8	B, Carc	Yes	1.9	NA	NA	NA	Not Recorded*
NGW151/MW-1	9/19/1995	Diesel Range Hydrocarbons	3100	500	A	Yes	6.2	NA	NA	NA	Not Recorded*
NGW151/MW-1	9/19/1995	Ethylbenzene	1.1	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW151/MW-1	9/19/1995	Gasoline Range Hydrocarbons	1300	800	A	Yes	1.6	NA	NA	NA	Not Recorded*
<b>NGW151/MW-1</b>	<b>9/19/1995</b>	<b>PCB, total</b>	<b>61</b>	<b>0.044</b>	<b>B, Carc</b>	<b>Yes</b>	<b>1386</b>	<b>1.5</b>	<b>Yes</b>	<b>41</b>	<b>Not Recorded*</b>
NGW151/MW-1	9/19/1995	Total Petroleum Hydrocarbons	2200	500	A	Yes	4.4	NA	NA	NA	Not Recorded*
<b>NGW151/MW-1</b>	<b>3/20/1996</b>	<b>Aroclor 1248</b>	<b>9.9</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>1.5</b>	<b>Yes</b>	<b>6.6</b>	<b>Not Recorded*</b>
NGW151/MW-1	3/20/1996	Aroclor 1254	1 U	0.32	B, NC	RLE	3.1	0.86	RLE	1.2	Not Recorded*
<b>NGW151/MW-1</b>	<b>3/20/1996</b>	<b>Aroclor 1254</b>	<b>13</b>	<b>0.32</b>	<b>B, NC</b>	<b>Yes</b>	<b>41</b>	<b>0.86</b>	<b>Yes</b>	<b>15</b>	<b>Not Recorded*</b>
NGW151/MW-1	3/20/1996	Aroclor 1260	1 U	NA	NA	NA	NA	0.31	RLE	3.2	Not Recorded*
NGW151/MW-1	3/20/1996	Aroclor 1260	1 U	NA	NA	NA	NA	0.31	RLE	3.2	Not Recorded*
NGW151/MW-1	3/20/1996	Diesel Range Hydrocarbons	1100	500	A	Yes	2.2	NA	NA	NA	Not Recorded*
NGW151/MW-1	3/20/1996	Gasoline Range Hydrocarbons	320	800	A	No	<1	NA	NA	NA	Not Recorded*
<b>NGW151/MW-1</b>	<b>3/20/1996</b>	<b>PCB, total</b>	<b>22.9</b>	<b>0.044</b>	<b>B, Carc</b>	<b>Yes</b>	<b>520</b>	<b>1.5</b>	<b>Yes</b>	<b>15</b>	<b>Not Recorded*</b>
NGW151/MW-1	3/20/1996	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	Not Recorded*
<b>NGW151/MW-1</b>	<b>9/5/1996</b>	<b>Aroclor 1248</b>	<b>8.5</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>1.5</b>	<b>Yes</b>	<b>5.7</b>	<b>Not Recorded*</b>
NGW151/MW-1	9/5/1996	Aroclor 1254	1 U	0.32	B, NC	RLE	3.1	0.86	RLE	1.2	Not Recorded*
NGW151/MW-1	9/5/1996	Aroclor 1254	1 U	0.32	B, NC	RLE	3.1	0.86	RLE	1.2	Not Recorded*
NGW151/MW-1	9/5/1996	Aroclor 1260	1 U	NA	NA	NA	NA	0.31	RLE	3.2	Not Recorded*
NGW151/MW-1	9/5/1996	Aroclor 1260	1 U	NA	NA	NA	NA	0.31	RLE	3.2	Not Recorded*
NGW151/MW-1	9/5/1996	Diesel Range Hydrocarbons	1500	500	A	Yes	3.0	NA	NA	NA	Not Recorded*

**Table D-2**  
**North Boeing Field - Propulsion Engineering Labs Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW151/MW-1	9/5/1996	Gasoline Range Hydrocarbons	890	800	A	Yes	1.1	NA	NA	NA	Not Recorded*
<b>NGW151/MW-1</b>	<b>9/5/1996</b>	<b>PCB, total</b>	<b>8.5</b>	<b>0.044</b>	<b>B, Carc</b>	<b>Yes</b>	<b>193</b>	<b>1.5</b>	<b>Yes</b>	<b>5.7</b>	<b>Not Recorded*</b>
NGW151/MW-1	9/5/1996	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	Not Recorded*
<b>NGW151/MW-1</b>	<b>3/20/1997</b>	<b>Aroclor 1248</b>	<b>11</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>1.5</b>	<b>Yes</b>	<b>7.3</b>	<b>Not Recorded*</b>
NGW151/MW-1	3/20/1997	Aroclor 1254	1 U	0.32	B, NC	RLE	3.1	0.86	RLE	1.2	Not Recorded*
<b>NGW151/MW-1</b>	<b>3/20/1997</b>	<b>Aroclor 1254</b>	<b>52</b>	<b>0.32</b>	<b>B, NC</b>	<b>Yes</b>	<b>163</b>	<b>0.86</b>	<b>Yes</b>	<b>60</b>	<b>Not Recorded*</b>
NGW151/MW-1	3/20/1997	Aroclor 1260	1 U	NA	NA	NA	NA	0.31	RLE	3.2	Not Recorded*
NGW151/MW-1	3/20/1997	Aroclor 1260	1 U	NA	NA	NA	NA	0.31	RLE	3.2	Not Recorded*
NGW151/MW-1	3/20/1997	Diesel Range Hydrocarbons	2200	500	A	Yes	4.4	NA	NA	NA	Not Recorded*
NGW151/MW-1	3/20/1997	Gasoline Range Hydrocarbons	610	800	A	No	<1	NA	NA	NA	Not Recorded*
<b>NGW151/MW-1</b>	<b>3/20/1997</b>	<b>PCB, total</b>	<b>63</b>	<b>0.044</b>	<b>B, Carc</b>	<b>Yes</b>	<b>1432</b>	<b>1.5</b>	<b>Yes</b>	<b>42</b>	<b>Not Recorded*</b>
NGW151/MW-1	3/20/1997	Total Petroleum Hydrocarbons	1800	500	A	Yes	3.6	NA	NA	NA	Not Recorded*
<b>NGW151/MW-1</b>	<b>7/16/1997</b>	<b>Aroclor 1248</b>	<b>4.7</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>1.5</b>	<b>Yes</b>	<b>3.1</b>	<b>AGI 8/8/97*</b>
NGW151/MW-1	7/16/1997	Aroclor 1254	1 U	0.32	B, NC	RLE	3.1	0.86	RLE	1.2	AGI 8/8/97*
<b>NGW151/MW-1</b>	<b>7/16/1997</b>	<b>Aroclor 1254</b>	<b>10</b>	<b>0.32</b>	<b>B, NC</b>	<b>Yes</b>	<b>31</b>	<b>0.86</b>	<b>Yes</b>	<b>12</b>	<b>AGI 8/8/97*</b>
NGW151/MW-1	7/16/1997	Aroclor 1260	1 U	NA	NA	NA	NA	0.31	RLE	3.2	AGI 8/8/97*
NGW151/MW-1	7/16/1997	Aroclor 1260	1 U	NA	NA	NA	NA	0.31	RLE	3.2	AGI 8/8/97*
NGW151/MW-1	7/16/1997	Diesel Range Hydrocarbons	980	500	A	Yes	2.0	NA	NA	NA	AGI 8/8/97*
NGW151/MW-1	7/16/1997	Gasoline Range Hydrocarbons	310	800	A	No	<1	NA	NA	NA	AGI 8/8/97*
<b>NGW151/MW-1</b>	<b>7/16/1997</b>	<b>PCB, total</b>	<b>14.7</b>	<b>0.044</b>	<b>B, NC</b>	<b>Yes</b>	<b>334</b>	<b>1.5</b>	<b>Yes</b>	<b>10</b>	<b>AGI 8/8/97*</b>
<b>NGW151/MW-1</b>	<b>7/16/1997</b>	<b>PCB, total</b>	<b>14.7</b>	<b>0.044</b>	<b>B, Carc</b>	<b>Yes</b>	<b>334</b>	<b>1.5</b>	<b>Yes</b>	<b>10</b>	<b>AGI 8/8/97*</b>
<b>Former F&amp;G Facility</b>											
MW-1/FGMW-1	12/7/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 4/13/94*
MW-1/FGMW-1	12/7/1993	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	SECOR 4/13/94*
MW-1/FGMW-1	1/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-1/FGMW-1	4/14/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
MW-10/FG-10	8/14/1986	Total Petroleum Hydrocarbons	420	500	A	No	<1	NA	NA	NA	Landau 9/9/86
MW-10/FG-10	12/16/1991	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-10/FG-10	12/16/1991	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	SECOR 10/25/94*
MW-10/FG-10	3/31/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-10/FG-10	7/21/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-10/FG-10	10/28/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-10/FG-10	1/25/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-10/FG-10	4/27/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-10/FG-10	7/20/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-10/FG-10	10/26/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-10/FG-10	1/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-10/FG-10	4/14/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
MW-11/FG-11	1/10/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-11/FG-11	1/10/1992	Total Petroleum Hydrocarbons	2000 U	500	A	RLE	4.0	NA	NA	NA	SECOR 10/25/94*
MW-11/FG-11	3/31/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
<b>MW-11/FG-11</b>	<b>3/31/1992</b>	<b>Total Petroleum Hydrocarbons</b>	<b>2400</b>	<b>500</b>	<b>A</b>	<b>Yes</b>	<b>4.8</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>SECOR 10/25/94*</b>
MW-11/FG-11	7/21/1992	Benzene	1.1	0.8	B, Carc	Yes	1.4	NA	NA	NA	SECOR 10/25/94*
MW-11/FG-11	7/21/1992	Total Petroleum Hydrocarbons	1000	500	A	Yes	2.0	NA	NA	NA	SECOR 10/25/94*

**Table D-2**  
**North Boeing Field - Propulsion Engineering Labs Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
MW-11/FG-11	10/28/1992	Benzene	0.7 J	0.8	B, Carc	No	<1	NA	NA	NA	SECOR 10/25/94*
MW-11/FG-11	10/28/1992	Total Petroleum Hydrocarbons	3600	500	A	Yes	7.2	NA	NA	NA	SECOR 10/25/94*
MW-11/FG-11	1/25/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-11/FG-11	1/25/1993	Total Petroleum Hydrocarbons	1100	500	A	Yes	2.2	NA	NA	NA	SECOR 10/25/94*
MW-11/FG-11	4/27/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-11/FG-11	4/27/1993	Total Petroleum Hydrocarbons	270	500	A	No	<1	NA	NA	NA	SECOR 10/25/94*
MW-11/FG-11	7/20/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-11/FG-11	10/26/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-11/FG-11	10/26/1993	Total Petroleum Hydrocarbons	1900	500	A	Yes	3.8	NA	NA	NA	SECOR 10/25/94*
MW-11/FG-11	1/20/1994	Benzene	0.5 J	0.8	B, Carc	No	<1	NA	NA	NA	SECOR 10/25/94*
MW-11/FG-11	4/14/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
MW-5/FG-5	8/14/1986	Total Petroleum Hydrocarbons	560	500	A	Yes	1.1	NA	NA	NA	Landau 9/9/86
MW-5/FG-5	12/16/1991	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-5/FG-5	12/16/1991	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	SECOR 10/25/94*
MW-5/FG-5	3/31/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-5/FG-5	3/31/1992	Total Petroleum Hydrocarbons	210 J	500	A	No	<1	NA	NA	NA	SECOR 10/25/94*
MW-5/FG-5	7/21/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-5/FG-5	7/21/1992	Total Petroleum Hydrocarbons	790	500	A	Yes	1.6	NA	NA	NA	SECOR 10/25/94*
MW-5/FG-5	10/28/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-5/FG-5	10/28/1992	Total Petroleum Hydrocarbons	330	500	A	No	<1	NA	NA	NA	SECOR 10/25/94*
MW-5/FG-5	1/25/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-5/FG-5	1/25/1993	Total Petroleum Hydrocarbons	420	500	A	No	<1	NA	NA	NA	SECOR 10/25/94*
MW-5/FG-5	4/27/1993	Benzene	0.5 J	0.8	B, Carc	No	<1	NA	NA	NA	SECOR 10/25/94*
MW-5/FG-5	4/27/1993	Total Petroleum Hydrocarbons	410	500	A	No	<1	NA	NA	NA	SECOR 10/25/94*
MW-5/FG-5	7/20/1993	Benzene	0.5 J	0.8	B, Carc	No	<1	NA	NA	NA	SECOR 10/25/94*
MW-5/FG-5	7/20/1993	Total Petroleum Hydrocarbons	720	500	A	Yes	1.4	NA	NA	NA	SECOR 10/25/94*
MW-5/FG-5	10/26/1993	Benzene	0.6 J	0.8	B, Carc	No	<1	NA	NA	NA	SECOR 10/25/94*
MW-5/FG-5	10/26/1993	Total Petroleum Hydrocarbons	1000	500	A	Yes	2.0	NA	NA	NA	SECOR 10/25/94*
MW-5/FG-5	1/20/1994	Benzene	0.7 J	0.8	B, Carc	No	<1	NA	NA	NA	SECOR 10/25/94*
MW-5/FG-5	1/20/1994	Total Petroleum Hydrocarbons	260	500	A	No	<1	NA	NA	NA	SECOR 10/25/94*
MW-5/FG-5	4/14/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
MW-6/FG-6	8/14/1986	Jet Fuel A	1390	500	A, Diesel	Yes	2.8	NA	NA	NA	Landau 9/9/86
MW-6/FG-6	1/10/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-6/FG-6	1/10/1992	Total Petroleum Hydrocarbons	2000 U	500	A	RLE	4.0	NA	NA	NA	SECOR 10/25/94*
MW-6/FG-6	3/31/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-6/FG-6	3/31/1992	Total Petroleum Hydrocarbons	110 J	500	A	No	<1	NA	NA	NA	SECOR 10/25/94*
MW-6/FG-6	7/21/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-6/FG-6	10/28/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-6/FG-6	1/25/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-6/FG-6	4/27/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-6/FG-6	7/20/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-6/FG-6	10/26/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-6/FG-6	1/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-6/FG-6	4/14/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*

**Table D-2**  
**North Boeing Field - Propulsion Engineering Labs Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
MW-7/FG-7	8/14/1986	Jet Fuel A	1580	500	A, Diesel	Yes	3.2	NA	NA	NA	Landau 9/9/86
MW-7/FG-7	8/14/1986	Total Petroleum Hydrocarbons	190	500	A	No	<1	NA	NA	NA	Landau 9/9/86
MW-7/FG-7	12/16/1991	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-7/FG-7	12/16/1991	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	SECOR 10/25/94*
MW-7/FG-7	3/31/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-7/FG-7	7/21/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-7/FG-7	10/28/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-7/FG-7	1/25/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-7/FG-7	4/27/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-7/FG-7	7/20/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-7/FG-7	10/26/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-7/FG-7	1/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-7/FG-7	4/14/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
MW-8/FG-8	12/16/1991	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-8/FG-8	12/16/1991	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	SECOR 10/25/94*
MW-8/FG-8	3/31/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-8/FG-8	7/21/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-8/FG-8	10/28/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-8/FG-8	1/25/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-8/FG-8	4/27/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-8/FG-8	7/20/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-8/FG-8	10/26/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-8/FG-8	1/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-8/FG-8	4/14/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
MW-9/FG-9	12/16/1991	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-9/FG-9	12/16/1991	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	SECOR 10/25/94*
MW-9/FG-9	3/31/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-9/FG-9	1/25/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-9/FG-9	4/27/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-9/FG-9	7/20/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-9/FG-9	10/26/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-9/FG-9	1/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 10/25/94*
MW-9/FG-9	4/14/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
<b>Green Hornet Area</b>											
GH-1	1/10/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
GH-1	3/31/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
GH-1	7/21/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
GH-1	10/30/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
GH-1	1/25/1993	Benzene	1.3	0.8	B, Carc	Yes	1.6	NA	NA	NA	SECOR 7/5/96*
GH-2	1/10/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
GH-2	3/31/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
GH-2	3/31/1992	Ethylbenzene	1.2	700	A	No	<1	NA	NA	NA	SECOR 7/5/96*
GH-2	3/31/1992	Total Petroleum Hydrocarbons	79000	500	A	Yes	158	NA	NA	NA	SECOR 7/5/96*
GH-2	3/31/1992	Xylenes, total	11	1000	A	No	<1	NA	NA	NA	SECOR 7/5/96*

**Table D-2**  
**North Boeing Field - Propulsion Engineering Labs Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
GH-2	7/22/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
GH-2	7/22/1992	Ethylbenzene	16	700	A	No	<1	NA	NA	NA	SECOR 7/5/96*
GH-2	7/22/1992	Toluene	1.8	640	B, NC	No	<1	NA	NA	NA	SECOR 7/5/96*
GH-2	7/22/1992	Total Petroleum Hydrocarbons	280000	500	A	Yes	560	NA	NA	NA	SECOR 7/5/96*
GH-2	7/22/1992	Xylenes, total	28	1000	A	No	<1	NA	NA	NA	SECOR 7/5/96*
GH-2	1/25/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
GH-2	1/25/1993	Ethylbenzene	16	700	A	No	<1	NA	NA	NA	SECOR 7/5/96*
GH-2	1/25/1993	Total Petroleum Hydrocarbons	250000	500	A	Yes	500	NA	NA	NA	SECOR 7/5/96*
GH-2	1/25/1993	Xylenes, total	13	1000	A	No	<1	NA	NA	NA	SECOR 7/5/96*
GH-3	1/10/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
GH-3	3/31/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
GH-3	3/31/1992	Total Petroleum Hydrocarbons	15000	500	A	Yes	30	NA	NA	NA	SECOR 7/5/96*
GH-3	7/21/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
GH-3	7/21/1992	Total Petroleum Hydrocarbons	1100	500	A	Yes	2.2	NA	NA	NA	SECOR 7/5/96*
GH-3	10/30/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
GH-3	10/30/1992	Total Petroleum Hydrocarbons	350	500	A	No	<1	NA	NA	NA	SECOR 7/5/96*
GH-3	1/25/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
GH-3	1/25/1993	Total Petroleum Hydrocarbons	930	500	A	Yes	1.9	NA	NA	NA	SECOR 7/5/96*
GH-4	1/10/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
GH-4	3/31/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
GH-4	7/21/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
GH-4	7/21/1992	Total Petroleum Hydrocarbons	130 J	500	A	No	<1	NA	NA	NA	SECOR 7/5/96*
GH-4	10/30/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
GH-4	1/25/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
GH-4	1/25/1993	Total Petroleum Hydrocarbons	210 J	500	A	No	<1	NA	NA	NA	SECOR 7/5/96*
NGW101/GH-MW-	8/14/1986	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Landau 9/9/86
NGW101/GH-MW-	8/14/1986	Kerosene	300	500	A, Diesel	No	<1	NA	NA	NA	Landau 9/9/86
NGW101/GH-MW-	8/14/1986	Total Petroleum Hydrocarbons	470	500	A	No	<1	NA	NA	NA	Landau 9/9/86
NGW101/GH-MW-	12/7/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 4/13/94*
NGW101/GH-MW-	12/7/1993	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	SECOR 4/13/94*
NGW101/GH-MW-	1/26/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
NGW101/GH-MW-	4/15/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	4/15/1994	Xylenes, m&p-	1 J	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	7/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	10/24/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	1/24/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	9/8/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	3/26/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	3/17/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	3/17/1997	Diesel Range Hydrocarbons	270	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	8/29/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	7/30/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	1/20/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	1/20/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*

**Table D-2**  
**North Boeing Field - Propulsion Engineering Labs Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW101/GH-MW-	7/15/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	7/15/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	2/28/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	2/28/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	2/28/2000	Diesel Range Hydrocarbons	320	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	7/24/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	7/24/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	2/19/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	8/15/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	8/15/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	2/25/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	2/25/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	8/19/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW101/GH-MW-	8/19/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	8/14/1986	Benzene	6	0.8	B, Carc	Yes	7.5	NA	NA	NA	Landau 9/9/86
NGW102/GH-MW-	8/14/1986	Kerosene	1390	500	A, Diesel	Yes	2.8	NA	NA	NA	Landau 9/9/86
NGW102/GH-MW-	8/14/1986	Total Petroleum Hydrocarbons	1390	500	A	Yes	2.8	NA	NA	NA	Landau 9/9/86
NGW102/GH-MW-	8/14/1986	Xylenes, total	37	1000	A	No	<1	NA	NA	NA	Landau 9/9/86
NGW102/GH-MW-	12/7/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 4/13/94*
NGW102/GH-MW-	12/7/1993	Gasoline Range Hydrocarbons	370	800	A	No	<1	NA	NA	NA	SECOR 4/13/94*
NGW102/GH-MW-	12/7/1993	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	SECOR 4/13/94*
NGW102/GH-MW-	1/26/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
NGW102/GH-MW-	4/15/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	7/20/1994	Benzene	3.5	0.8	B, Carc	Yes	4.4	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	7/20/1994	Benzene	3.6	0.8	B, Carc	Yes	4.5	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	10/24/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	1/24/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	9/8/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	3/26/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	3/19/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	3/19/1997	Diesel Range Hydrocarbons	520	500	A	No	1.0	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	8/29/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	7/30/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	1/20/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	7/15/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	2/28/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	7/24/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	2/19/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	2/19/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	8/15/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	2/25/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW102/GH-MW-	8/19/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW103/GH-MW-	8/14/1986	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Landau 9/9/86
NGW103/GH-MW-	8/14/1986	Kerosene	1440	500	A, Diesel	Yes	2.9	NA	NA	NA	Landau 9/9/86



**Table D-2**  
**North Boeing Field - Propulsion Engineering Labs Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW103/GH-MW-	8/14/1986	Total Petroleum Hydrocarbons	1440	500	A	Yes	2.9	NA	NA	NA	Landau 9/9/86
NGW103/GH-MW-	12/7/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 4/13/94*
NGW103/GH-MW-	12/7/1993	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	SECOR 4/13/94*
NGW103/GH-MW-	1/26/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
NGW103/GH-MW-	4/15/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW103/GH-MW-	7/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW103/GH-MW-	10/24/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW103/GH-MW-	1/24/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW103/GH-MW-	9/8/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW103/GH-MW-	3/26/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW103/GH-MW-	3/19/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW103/GH-MW-	8/29/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW103/GH-MW-	7/30/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW103/GH-MW-	1/20/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW103/GH-MW-	7/15/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW103/GH-MW-	2/28/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW103/GH-MW-	7/25/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW103/GH-MW-	2/19/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW103/GH-MW-	8/15/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW103/GH-MW-	2/25/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW103/GH-MW-	8/19/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	8/14/1986	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Landau 9/9/86
NGW104/GH-MW-	8/14/1986	Kerosene	540	500	A, Diesel	Yes	1.1	NA	NA	NA	Landau 9/9/86
NGW104/GH-MW-	8/14/1986	Total Petroleum Hydrocarbons	540	500	A	Yes	1.1	NA	NA	NA	Landau 9/9/86
NGW104/GH-MW-	12/7/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 4/13/94*
NGW104/GH-MW-	12/7/1993	Ethylbenzene	3	700	A	No	<1	NA	NA	NA	SECOR 4/13/94*
NGW104/GH-MW-	12/7/1993	Gasoline Range Hydrocarbons	3200	800	A	Yes	4.0	NA	NA	NA	SECOR 4/13/94*
NGW104/GH-MW-	12/7/1993	Total Petroleum Hydrocarbons	8800	500	A	Yes	18	NA	NA	NA	SECOR 4/13/94*
NGW104/GH-MW-	12/7/1993	Xylenes, total	36	1000	A	No	<1	NA	NA	NA	SECOR 4/13/94*
NGW104/GH-MW-	1/26/1994	Benzene	1	0.8	B, Carc	Yes	1.3	NA	NA	NA	SECOR 7/5/96*
NGW104/GH-MW-	1/26/1994	Ethylbenzene	1.6	700	A	No	<1	NA	NA	NA	SECOR 7/5/96*
NGW104/GH-MW-	1/26/1994	Total Petroleum Hydrocarbons	3600	500	A	Yes	7.2	NA	NA	NA	SECOR 7/5/96*
NGW104/GH-MW-	1/26/1994	Xylenes, total	24	1000	A	No	<1	NA	NA	NA	SECOR 7/5/96*
NGW104/GH-MW-	4/15/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	4/15/1994	Diesel Range Hydrocarbons	4000	500	A	Yes	8.0	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	4/15/1994	Xylenes, m&p-	3.3	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	7/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	7/20/1994	Xylenes, m&p-	9	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	10/24/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	10/24/1994	Diesel Range Hydrocarbons	550	500	A	Yes	1.1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	10/24/1994	Ethylbenzene	1.7	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	10/24/1994	Xylenes, m&p-	10	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	1/24/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	1/24/1995	Diesel Range Hydrocarbons	7300	500	A	Yes	15	NA	NA	NA	Not Recorded*



**Table D-2**  
**North Boeing Field - Propulsion Engineering Labs Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW104/GH-MW-	1/24/1995	Ethylbenzene	2.3	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	1/24/1995	Xylenes, m&p-	19	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	9/8/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	9/8/1995	Diesel Range Hydrocarbons	14000	500	A	Yes	28	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	9/8/1995	Ethylbenzene	2.5	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	9/8/1995	Xylenes, m&p-	11	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	3/26/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	3/26/1996	Diesel Range Hydrocarbons	570	500	A	Yes	1.1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	3/17/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	3/17/1997	Diesel Range Hydrocarbons	2700	500	A	Yes	5.4	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	3/17/1997	Ethylbenzene	1	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	8/29/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	8/29/1997	Diesel Range Hydrocarbons	2300	500	A	Yes	4.6	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	7/30/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	7/30/1998	Diesel Range Hydrocarbons	260	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	1/20/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	3/18/1999	Gasoline Range Hydrocarbons	450	800	A	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	7/15/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	7/15/1999	Diesel Range Hydrocarbons	340	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	2/28/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	7/24/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	7/24/2000	Diesel Range Hydrocarbons	260	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	2/19/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	2/19/2001	Diesel Range Hydrocarbons	810	500	A	Yes	1.6	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	2/19/2001	Jet Fuel A	790	500	A, Diesel	Yes	1.6	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	8/15/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	8/15/2001	Diesel Range Hydrocarbons	420	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	2/25/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	2/25/2002	Diesel Range Hydrocarbons	910	500	A	Yes	1.8	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	2/25/2002	Jet Fuel A	990	500	A, Diesel	Yes	2.0	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	8/19/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	8/19/2002	Diesel Range Hydrocarbons	510	500	A	No	1.0	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	2/19/2003	Diesel Range Hydrocarbons	670	500	A	Yes	1.3	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	2/19/2003	Jet Fuel A	740	500	A, Diesel	Yes	1.5	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	7/9/2003	Diesel Range Hydrocarbons	390	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	2/9/2004	Diesel Range Hydrocarbons	340	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	2/9/2004	Jet Fuel A	500	500	A, Diesel	No	1.0	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	8/9/2004	Diesel Range Hydrocarbons	400	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	2/4/2005	Diesel Range Hydrocarbons	350	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	2/4/2005	Jet Fuel A	450	500	A, Diesel	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	8/17/2005	Jet Fuel A	290	500	A, Diesel	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	2/20/2006	Diesel Range Hydrocarbons	1000	500	A	Yes	2.0	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	2/20/2006	Jet Fuel A	1200	500	A, Diesel	Yes	2.4	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	8/14/2006	Diesel Range Hydrocarbons	250	500	A	No	<1	NA	NA	NA	Not Recorded*

**Table D-2**  
**North Boeing Field - Propulsion Engineering Labs Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW104/GH-MW-	8/14/2006	Jet Fuel A	310	500	A, Diesel	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	2/21/2007	Diesel Range Hydrocarbons	600	500	A	Yes	1.2	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	2/21/2007	Jet Fuel A	750	500	A, Diesel	Yes	1.5	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	8/20/2007	Jet Fuel A	360	500	A, Diesel	No	<1	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	2/19/2008	Diesel Range Hydrocarbons	520	500	A	No	1.0	NA	NA	NA	Not Recorded*
NGW104/GH-MW-	2/19/2008	Jet Fuel A	590	500	A, Diesel	Yes	1.2	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	12/7/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 4/13/94*
NGW105/GH-MW-	12/7/1993	Diesel Range Hydrocarbons	5000	500	A	Yes	10	NA	NA	NA	SECOR 4/13/94*
NGW105/GH-MW-	12/7/1993	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	SECOR 4/13/94*
NGW105/GH-MW-	12/7/1993	Xylenes, total	4.5	1000	A	No	<1	NA	NA	NA	SECOR 4/13/94*
NGW105/GH-MW-	1/26/1994	Benzene	0.5 J	0.8	B, Carc	No	<1	NA	NA	NA	SECOR 7/5/96*
NGW105/GH-MW-	1/26/1994	Ethylbenzene	6.4	700	A	No	<1	NA	NA	NA	SECOR 7/5/96*
NGW105/GH-MW-	1/26/1994	Xylenes, total	47	1000	A	No	<1	NA	NA	NA	SECOR 7/5/96*
NGW105/GH-MW-	4/15/1994	Benzene	3.4	0.8	B, Carc	Yes	4.3	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	4/15/1994	Ethylbenzene	16	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	4/15/1994	Xylene, o-	39	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	4/15/1994	Xylenes, m&p-	74	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	7/20/1994	Benzene	2	0.8	B, Carc	Yes	2.5	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	7/20/1994	Ethylbenzene	2.6	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	7/20/1994	Xylene, o-	4.8	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	7/20/1994	Xylenes, m&p-	6.4	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	10/24/1994	Benzene	3.7	0.8	B, Carc	Yes	4.6	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	10/24/1994	Ethylbenzene	13	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	10/24/1994	Xylene, o-	30	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	10/24/1994	Xylenes, m&p-	74	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	1/24/1995	Benzene	3.3	0.8	B, Carc	Yes	4.1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	1/24/1995	Ethylbenzene	16	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	1/24/1995	Xylene, o-	15	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	1/24/1995	Xylenes, m&p-	110	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	9/8/1995	Benzene	2.2	0.8	B, Carc	Yes	2.8	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	9/8/1995	Ethylbenzene	6.7	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	9/8/1995	Xylenes, m&p-	91	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	3/26/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	3/26/1996	Xylenes, m&p-	38	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	3/19/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	3/19/1997	Xylenes, m&p-	13	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	8/29/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	8/29/1997	Xylenes, m&p-	45	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	7/30/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	7/30/1998	Xylenes, m&p-	29	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	1/20/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	1/20/1999	Xylenes, m&p-	9.7	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	7/15/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	7/15/1999	Xylenes, m&p-	18	1000	A	No	<1	NA	NA	NA	Not Recorded*

**Table D-2**  
**North Boeing Field - Propulsion Engineering Labs Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW105/GH-MW-	2/28/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	2/28/2000	Xylenes, m&p-	5.7	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	7/24/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	7/24/2000	Xylenes, m&p-	3.2	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	2/19/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	2/19/2001	Diesel Range Hydrocarbons	480	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	2/19/2001	Xylenes, m&p-	2.9	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	8/15/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	8/15/2001	Diesel Range Hydrocarbons	400	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	8/15/2001	Xylenes, m&p-	2.8	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	2/25/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	2/25/2002	Diesel Range Hydrocarbons	320	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	8/19/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	8/19/2002	Diesel Range Hydrocarbons	490	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	2/19/2003	Diesel Range Hydrocarbons	360	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	7/9/2003	Diesel Range Hydrocarbons	350	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	8/14/2006	Diesel Range Hydrocarbons	250	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW105/GH-MW-	2/19/2008	Diesel Range Hydrocarbons	270	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW106/GH-MW-	12/7/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 4/13/94*
NGW106/GH-MW-	12/7/1993	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	SECOR 4/13/94*
NGW106/GH-MW-	1/26/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 7/5/96*
NGW106/GH-MW-	4/15/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW106/GH-MW-	4/15/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW106/GH-MW-	7/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW106/GH-MW-	10/24/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW106/GH-MW-	1/24/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW106/GH-MW-	9/8/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW106/GH-MW-	3/26/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW106/GH-MW-	3/17/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW106/GH-MW-	8/29/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW106/GH-MW-	7/30/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW106/GH-MW-	1/20/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW106/GH-MW-	7/15/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW106/GH-MW-	2/28/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW106/GH-MW-	7/25/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW106/GH-MW-	7/25/2000	Diesel Range Hydrocarbons	260	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW106/GH-MW-	2/19/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW106/GH-MW-	8/15/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW106/GH-MW-	2/25/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW106/GH-MW-	8/19/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
Recovery Well	3/19/1986	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Landau 8/19/86
<b>North Boeing Field-Georgetown Steam Plant Fence Line Area</b>											
<b>Dead Tree Investigation</b>											
SB-6	5/23/1990	1,1,2,2-Tetrachloroethane	0.5 U	0.22	B, Carc	RLE	2.3	NA	NA	NA	GTI 7/16/90

**Table D-2**  
**North Boeing Field - Propulsion Engineering Labs Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
SB-6	5/23/1990	1,2-Dichloroethane	0.5 U	0.48	B, Carc	RLE	1.0	NA	NA	NA	GTI 7/16/90
SB-6	5/23/1990	Carbon Tetrachloride	0.5 U	0.34	B, Carc	RLE	1.5	NA	NA	NA	GTI 7/16/90
SB-6	5/23/1990	Tetrachloroethene	0.5 U	0.081	B, Carc	RLE	6	NA	NA	NA	GTI 7/16/90
SB-6	5/23/1990	Trichloroethene	0.5 U	0.49	B, Carc	RLE	1.0	NA	NA	NA	GTI 7/16/90
SB-6	5/23/1990	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	GTI 7/16/90

Notes:

ug/L - micrograms per liter

GW - groundwater

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

MTCA Cleanup Levels

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

RLE - Reporting limit exceeds MTCA Cleanup Level and/or Groundwater-to-Sediment Screening Level; analyte not detected.

Groundwater-to-Sediment Screening Levels

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the groundwater-to-sediment screening level.

RLE - Reporting limit exceeds MTCA Cleanup Level and/or Groundwater-to-Sediment Screening Level; analyte not detected.

Data Qualifiers

J - Estimated value between the laboratory reporting limit and the method detection limit

U - Analyte not detected, number is the detection limit

**Appendix E**  
**North Boeing Field**  
**Central Area**

**Soil and Groundwater Data**



**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
<b>Concourse A</b>													
A5 @ 6.0	7/25/1996	6	Acenaphthene	0.37 M	4800	B, NC	No	<1	1.2	V	No	<1	Not Recorded*
A5 @ 6.0	7/25/1996	6	Naphthalene	0.78 M	5	A	No	<1	3.8	V	No	<1	Not Recorded*
A5 @ 6.0	7/25/1996	6	1,2,4-Trichlorobenzene	0.24 U	800	B, NC	No	<1	0.046	V	RLE	5.2	Not Recorded*
A5 @ 6.0	7/25/1996	6	1,2-Dichlorobenzene	0.24 U	7200	B, NC	No	<1	0.068	V	RLE	3.5	Not Recorded*
A5 @ 6.0	7/25/1996	6	2,4-Dimethylphenol	0.73 U	1600	B, NC	No	<1	0.037	V	RLE	20	Not Recorded*
A5 @ 6.0	7/25/1996	6	2-Methylphenol (o-cresol)	0.49 U	4000	B, NC	No	<1	0.091	V	RLE	5.4	Not Recorded*
A5 @ 6.0	7/25/1996	6	Benzyl Alcohol	1.2 U	24000	B, NC	No	<1	1.0	V	RLE	1.2	Not Recorded*
A5 @ 6.0	7/25/1996	6	Hexachlorobenzene	0.24 U	0.63	B, Carc	No	<1	0.046	V	RLE	5.2	Not Recorded*
A5 @ 6.0	7/25/1996	6	Hexachlorobutadiene	0.49 U	13	B, Carc	No	<1	0.15	V	RLE	3.3	Not Recorded*
A5 @ 6.0	7/25/1996	6	N-Nitrosodiphenylamine	0.31 U	200	B, Carc	No	<1	0.23	V	RLE	1.3	Not Recorded*
A5 @ 6.0	7/25/1996	6	Pentachlorophenol	1.2 U	8.3	B, Carc	No	<1	0.73	V	RLE	1.6	Not Recorded*
A5 @ 6.0	7/25/1996	6	<b>2-Methyl naphthalene</b>	<b>8.9</b>	<b>320</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>1.4</b>	<b>V</b>	<b>Yes</b>	<b>6.4</b>	<b>Not Recorded*</b>
A5 @ 6.0	7/25/1996	6	bis(2-Ethylhexyl)phthalate	0.89	71	B, Carc	No	<1	1.6	V	No	<1	Not Recorded*
A5 @ 6.0	7/25/1996	6	Dibenzofuran	0.29	160	B, NC	No	<1	1.2	V	No	<1	Not Recorded*
A5 @ 6.0	7/25/1996	6	Fluorene	0.33	3200	B, NC	No	<1	1.6	V	No	<1	Not Recorded*
A5 @ 6.0	7/25/1996	6	Ethylbenzene	1.6088	6	A	No	<1	NA	NA	NA	NA	SECOR 10/3/96*
A5 @ 6.0	7/25/1996	6	Toluene	2.4125	7	A	No	<1	NA	NA	NA	NA	SECOR 10/3/96*
A5 @ 6.0	7/25/1996	6	Xylene, m-	3.6096	9	A	No	<1	NA	NA	NA	NA	SECOR 10/3/96*
A5 @ 6.0	7/25/1996	6	Xylene, o-	5.9084	9	A	No	<1	NA	NA	NA	NA	SECOR 10/3/96*
A5 @ 6.0	7/25/1996	6	Benzo(a)pyrene	0.24 U	0.137	B, Carc	RLE	1.8	4.2	V	No	<1	Not Recorded*
A5 @ 6.0	7/25/1996	6	N-nitroso-di-n-propylamine	0.49 U	0.14	B, Carc	RLE	3.5	NA	NA	NA	NA	Not Recorded*
A5 @ 6.0	7/25/1996	6	Diesel Range Hydrocarbons	3300	2000	A	Yes	1.7	NA	NA	NA	NA	Not Recorded*
A5 @ 6.0	7/25/1996	6	Diesel Range Hydrocarbons	3900	2000	A	Yes	2.0	NA	NA	NA	NA	Not Recorded*
A5 @ 6.0	7/25/1996	6	Gasoline Range Hydrocarbons	7100	30	A	Yes	237	NA	NA	NA	NA	Not Recorded*
A5 @ 6.0	7/25/1996	6	Gasoline Range Hydrocarbons	8500	30	A	Yes	283	NA	NA	NA	NA	Not Recorded*
A5 @ 6.0	7/25/1996	6	Benzene	0.11574	0.03	A	Yes	3.9	NA	NA	NA	NA	SECOR 10/3/96*
A6 @ 6.0	7/25/1996	6	1,2,4-Trichlorobenzene	0.08 U	800	B, NC	No	<1	0.046	V	RLE	1.7	Not Recorded*
A6 @ 6.0	7/25/1996	6	1,2-Dichlorobenzene	0.08 U	7200	B, NC	No	<1	0.068	V	RLE	1.2	Not Recorded*
A6 @ 6.0	7/25/1996	6	2,4-Dimethylphenol	0.24 U	1600	B, NC	No	<1	0.037	V	RLE	6.5	Not Recorded*
A6 @ 6.0	7/25/1996	6	2-Methylphenol (o-cresol)	0.16 U	4000	B, NC	No	<1	0.091	V	RLE	1.8	Not Recorded*
A6 @ 6.0	7/25/1996	6	Hexachlorobenzene	0.08 U	0.63	B, Carc	No	<1	0.046	V	RLE	1.7	Not Recorded*
A6 @ 6.0	7/25/1996	6	Hexachlorobutadiene	0.16 U	13	B, Carc	No	<1	0.15	V	RLE	1.1	Not Recorded*
A6 @ 6.0	7/25/1996	6	bis(2-Ethylhexyl)phthalate	0.1	71	B, Carc	No	<1	1.6	V	No	<1	Not Recorded*
A6 @ 6.0	7/25/1996	6	1,1,1-Trichloroethane	0.14671	2	A	No	<1	NA	NA	NA	NA	SECOR 10/3/96*
A6 @ 6.0	7/25/1996	6	N-nitroso-di-n-propylamine	0.16 U	0.14	B, Carc	RLE	1.1	NA	NA	NA	NA	Not Recorded*
<b>Former Buildings 3-360 and 3-361 and Building 3-365</b>													
360/1/5-SB-1-4.5	11/13/1991	4.5	Nickel	6.6	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/5-SB-1-4.5	11/13/1991	4.5	Cadmium	0.44	2	A	No	<1	34	V	No	<1	SEACOR 2/14/92*
360/1/5-SB-1-4.5	11/13/1991	4.5	Chromium	8.9	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 2/14/92*
360/1/5-SB-1-4.5	11/13/1991	4.5	Copper	14	3000	B, NC	No	<1	780	V	No	<1	SEACOR 2/14/92*
360/1/5-SB-1-4.5	11/13/1991	4.5	Lead	5.7	1000	A	No	<1	1300	V	No	<1	SEACOR 2/14/92*
360/1/5-SB-1-4.5	11/13/1991	4.5	Zinc	34	24000	B, NC	No	<1	770	V	No	<1	SEACOR 2/14/92*
360/1/5-SB-1-8.5	11/13/1991	8.5	Total Petroleum Hydrocarbons	99	2000	A	No	<1	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/5-SB-1-8.5	11/13/1991	8.5	Benzene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/5-SB-1-8.5	11/13/1991	8.5	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/5-SB-1-8.5	11/13/1991	8.5	Methylene Chloride	0.57 B	0.02	A	Yes	29	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/5-SB-2-4.5	11/13/1991	4.5	Nickel	12	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 2/14/92*



**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
360/1/5-SB-2-4.5	11/13/1991	4.5	Cadmium	0.59	2	A	No	<1	34	V	No	<1	SEACOR 2/14/92*
360/1/5-SB-2-4.5	11/13/1991	4.5	Chromium	17	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 2/14/92*
360/1/5-SB-2-4.5	11/13/1991	4.5	Copper	31	3000	B, NC	No	<1	780	V	No	<1	SEACOR 2/14/92*
360/1/5-SB-2-4.5	11/13/1991	4.5	Lead	20	1000	A	No	<1	1300	V	No	<1	SEACOR 2/14/92*
360/1/5-SB-2-4.5	11/13/1991	4.5	Mercury	0.35	2	A	No	<1	0.59	V	No	<1	SEACOR 2/14/92*
360/1/5-SB-2-4.5	11/13/1991	4.5	Zinc	43	24000	B, NC	No	<1	770	V	No	<1	SEACOR 2/14/92*
360/1/5-SB-2-4.5	11/13/1991	4.5	Beryllium	0.21	160	B, NC	No	<1	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/5-SB-2-8	11/13/1991	8	Benzene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/5-SB-2-8	11/13/1991	8	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/5-SB-2-8	11/13/1991	8	Methylene Chloride	0.76 B	0.02	A	Yes	38	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/S-HA-1-4.5	11/14/1991	4.5	Nickel	4.4	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/S-HA-1-4.5	11/14/1991	4.5	Chromium	11	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 2/14/92*
360/1/S-HA-1-4.5	11/14/1991	4.5	Copper	9.1	3000	B, NC	No	<1	780	V	No	<1	SEACOR 2/14/92*
360/1/S-HA-1-4.5	11/14/1991	4.5	Lead	2.9	1000	A	No	<1	1300	V	No	<1	SEACOR 2/14/92*
360/1/S-HA-1-4.5	11/14/1991	4.5	Zinc	17	24000	B, NC	No	<1	770	V	No	<1	SEACOR 2/14/92*
360/1/S-HA-1-4.5	11/14/1991	4.5	Total Petroleum Hydrocarbons	27	2000	A	No	<1	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/S-HA-1-4.5	11/14/1991	4.5	Arsenic	1.8	0.67	B, Carc	Yes	2.7	12000	V	No	<1	SEACOR 2/14/92*
360/1/S-HA-2-7	11/14/1991	7	Acetone	0.55 J	8000	B, NC	No	<1	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/S-HA-2-7	11/14/1991	7	Benzene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/S-HA-2-7	11/14/1991	7	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/S-HA-2-7	11/14/1991	7	Methylene Chloride	0.72 B	0.02	A	Yes	36	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/S-SB-4-4.5	11/14/1991	4.5	Nickel	6.2	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/S-SB-4-4.5	11/14/1991	4.5	Chromium	6.6	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 2/14/92*
360/1/S-SB-4-4.5	11/14/1991	4.5	Copper	24	3000	B, NC	No	<1	780	V	No	<1	SEACOR 2/14/92*
360/1/S-SB-4-4.5	11/14/1991	4.5	Lead	1.4	1000	A	No	<1	1300	V	No	<1	SEACOR 2/14/92*
360/1/S-SB-4-4.5	11/14/1991	4.5	Zinc	26	24000	B, NC	No	<1	770	V	No	<1	SEACOR 2/14/92*
360/1/S-SB-4-4.5	11/14/1991	4.5	Arsenic	1.5	0.67	B, Carc	Yes	2.2	12000	V	No	<1	SEACOR 2/14/92*
360/1/S-SB-4-7.5	11/14/1991	7.5	Acetone	0.45 J	8000	B, NC	No	<1	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/S-SB-4-7.5	11/14/1991	7.5	Benzene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/S-SB-4-7.5	11/14/1991	7.5	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/S-SB-4-7.5	11/14/1991	7.5	Methylene Chloride	0.71 B	0.02	A	Yes	36	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/S-SB-6-7.5	11/14/1991	7.5	Total Petroleum Hydrocarbons	10	2000	A	No	<1	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/S-SB-7-4.5	11/14/1991	4.5	Nickel	6.5	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/S-SB-7-4.5	11/14/1991	4.5	Chromium	7.8	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 2/14/92*
360/1/S-SB-7-4.5	11/14/1991	4.5	Copper	27	3000	B, NC	No	<1	780	V	No	<1	SEACOR 2/14/92*
360/1/S-SB-7-4.5	11/14/1991	4.5	Lead	1.5	1000	A	No	<1	1300	V	No	<1	SEACOR 2/14/92*
360/1/S-SB-7-4.5	11/14/1991	4.5	Zinc	29	24000	B, NC	No	<1	770	V	No	<1	SEACOR 2/14/92*
360/1/S-SB-7-4.5	11/14/1991	4.5	Arsenic	1.4	0.67	B, Carc	Yes	2.1	12000	V	No	<1	SEACOR 2/14/92*
360/1/S-SB-7-7.5	11/14/1991	7.5	Acetone	0.45 J	8000	B, NC	No	<1	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/S-SB-7-7.5	11/14/1991	7.5	Benzene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/S-SB-7-7.5	11/14/1991	7.5	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
360/1/S-SB-7-7.5	11/14/1991	7.5	Methylene Chloride	0.65 B	0.02	A	Yes	33	NA	NA	NA	NA	SEACOR 2/14/92*
MW-10 5'	9/29/1995	5	Methylene Chloride	0.0048 B	0.02	A	No	<1	NA	NA	NA	NA	Not Recorded*
MW-10 5'	9/29/1995	5	Acetone	0.02	8000	B, NC	No	<1	NA	NA	NA	NA	Not Recorded*
MW-9 5'	9/29/1995	5	Methylene Chloride	0.0048 B	0.02	A	No	<1	NA	NA	NA	NA	Not Recorded*
MW-9 5'	9/29/1995	5	Acetone	0.012	8000	B, NC	No	<1	NA	NA	NA	NA	Not Recorded*
MW-11 5'	10/5/1995	5	Methylene Chloride	0.0039 B	0.02	A	No	<1	NA	NA	NA	NA	Not Recorded*
MW-11 5'	10/5/1995	5	Methylene Chloride	0.0039 B	0.02	A	No	<1	NA	NA	NA	NA	Not Recorded*

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet) bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to- Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to- Sediment Screening Level Exceedence	Soil-to- Sediment Screening Level Exceedence Factor	Source
SS1-9-9.5	3/25/2002	9	1,2,4-Trichlorobenzene	0.071 U	800	B, NC	No	<1	0.0025	S	RLE	28	Not Recorded*
SS1-9-9.5	3/25/2002	9	1,2-Dichlorobenzene	0.014 U	7200	B, NC	No	<1	0.0038	S	RLE	3.7	Not Recorded*
SS1-9-9.5	3/25/2002	9	Hexachlorobutadiene	0.071 U	13	B, Carc	No	<1	0.0080	S	RLE	8.9	Not Recorded*
SS1-9-9.5	3/25/2002	9	Mercury	0.06 U	2	A	No	<1	0.030	S	RLE	2.0	Not Recorded*
SS1-9-9.5	3/25/2002	9	Chromium	13.9	19	A, Chromium VI	No	<1	270	S	No	<1	Not Recorded*
SS1-9-9.5	3/25/2002	9	cis-1,2-Dichloroethene	0.7	800	B, NC	No	<1	NA	NA	NA	NA	Not Recorded*
SS1-9-9.5	3/25/2002	9	Diesel Range Hydrocarbons	10	2000	A	No	<1	NA	NA	NA	NA	Not Recorded*
SS1-9-9.5	3/25/2002	9	Heavy Oil Range Hydrocarbons	18	2000	A	No	<1	NA	NA	NA	NA	Not Recorded*
SS1-9-9.5	3/25/2002	9	Ethylene Dibromide	0.014 U	0.005	A	RLE	2.8	NA	NA	NA	NA	Not Recorded*
SS1-9-9.5	3/25/2002	9	Methylene Chloride	0.14 U	0.02	A	RLE	7.0	NA	NA	NA	NA	Not Recorded*
SS1-9-9.5	3/25/2002	9	Arsenic	1.1	0.67	B, Carc	Yes	1.6	12000	V	No	<1	Not Recorded*
SS1-9-9.5	3/25/2002	9	Trichloroethene	3.7	0.03	A	Yes	123	NA	NA	NA	NA	Not Recorded*
SS2-7-7.5	3/25/2002	7	Chromium	12.8	19	A, Chromium VI	No	<1	5400	V	No	<1	Not Recorded*
SS2-7-7.5	3/25/2002	7	Lead	3	1000	A	No	<1	1300	V	No	<1	Not Recorded*
SS2-7-7.5	3/25/2002	7	Trichloroethene	0.017	0.03	A	No	<1	NA	NA	NA	NA	Not Recorded*
SS2-7-7.5	3/25/2002	7	Arsenic	2	0.67	B, Carc	Yes	3.0	12000	V	No	<1	Not Recorded*
SS3-7-7.5	3/25/2002	7	Arsenic	0.5	0.67	B, Carc	No	<1	12000	V	No	<1	Not Recorded*
SS3-7-7.5	3/25/2002	7	Chromium	11	19	A, Chromium VI	No	<1	5400	V	No	<1	Not Recorded*
SS3-7-7.5	3/25/2002	7	cis-1,2-Dichloroethene	0.013	800	B, NC	No	<1	NA	NA	NA	NA	Not Recorded*
SS3-7-7.5	3/25/2002	7	Trichloroethene	0.15	0.03	A	Yes	5.0	NA	NA	NA	NA	Not Recorded*
SS4-7-7.5	3/26/2002	7	Chromium	9.5	19	A, Chromium VI	No	<1	5400	V	No	<1	Not Recorded*
SS4-7-7.5	3/26/2002	7	cis-1,2-Dichloroethene	0.0042	800	B, NC	No	<1	NA	NA	NA	NA	Not Recorded*
SS4-7-7.5	3/26/2002	7	Arsenic	3	0.67	B, Carc	Yes	4.5	12000	V	No	<1	Not Recorded*
SS4-7-7.5	3/26/2002	7	Trichloroethene	0.24	0.03	A	Yes	8.0	NA	NA	NA	NA	Not Recorded*
SS5-7-7.5	3/26/2002	7	Chromium	9.7	19	A, Chromium VI	No	<1	5400	V	No	<1	Not Recorded*
SS5-7-7.5	3/26/2002	7	cis-1,2-Dichloroethene	0.07	800	B, NC	No	<1	NA	NA	NA	NA	Not Recorded*
SS5-7-7.5	3/26/2002	7	Arsenic	1.1	0.67	B, Carc	Yes	1.6	12000	V	No	<1	Not Recorded*
SS5-7-7.5	3/26/2002	7	Trichloroethene	0.34	0.03	A	Yes	11	NA	NA	NA	NA	Not Recorded*
SS6-9-9.5	3/26/2002	9	1,2,4-Trichlorobenzene	0.067 U	800	B, NC	No	<1	0.0025	S	RLE	27	Not Recorded*
SS6-9-9.5	3/26/2002	9	1,2-Dichlorobenzene	0.013 U	7200	B, NC	No	<1	0.0038	S	RLE	3.4	Not Recorded*
SS6-9-9.5	3/26/2002	9	Hexachlorobutadiene	0.067 U	13	B, Carc	No	<1	0.0080	S	RLE	8.4	Not Recorded*
SS6-9-9.5	3/26/2002	9	Mercury	0.06 U	2	A	No	<1	0.030	S	RLE	2.0	Not Recorded*
SS6-9-9.5	3/26/2002	9	Arsenic	0.6	0.67	B, Carc	No	<1	12000	V	No	<1	Not Recorded*
SS6-9-9.5	3/26/2002	9	Chromium	8.5	19	A, Chromium VI	No	<1	270	S	No	<1	Not Recorded*
SS6-9-9.5	3/26/2002	9	cis-1,2-Dichloroethene	0.5	800	B, NC	No	<1	NA	NA	NA	NA	Not Recorded*
SS6-9-9.5	3/26/2002	9	Ethylene Dibromide	0.013 U	0.005	A	RLE	2.6	NA	NA	NA	NA	Not Recorded*
SS6-9-9.5	3/26/2002	9	Methylene Chloride	0.04 U	0.02	A	RLE	2.0	NA	NA	NA	NA	Not Recorded*
SS6-9-9.5	3/26/2002	9	Trichloroethene	5.4	0.03	A	Yes	180	NA	NA	NA	NA	Not Recorded*
DP1-8-10	5/23/2002	8.0	1,2,4-Trichlorobenzene	0.0061 U	800	B, NC	No	<1	0.0025	S	RLE	2.4	Landau 7/29/02
DP1-8-10	5/23/2002	8.0	Acetone	0.02	8000	B, NC	No	<1	NA	NA	NA	NA	Landau 7/29/02
DP1-8-10	5/23/2002	8.0	cis-1,2-Dichloroethene	0.034	800	B, NC	No	<1	NA	NA	NA	NA	Landau 7/29/02
DP1-8-10	5/23/2002	8.0	Trichloroethene	0.2	0.03	A	Yes	6.7	NA	NA	NA	NA	Landau 7/29/02
<b>Buildings 7-027-1, 7-027-2, and 7-027-3 (Markov Property)</b>													
MW-1-9.5	11/11/1991	9.5	Acetone	0.56 B	8000	B, NC	No	<1	NA	NA	NA	NA	SEACOR 2/14/92*
MW-1-9.5	11/11/1991	9.5	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
MW-1-9.5	11/11/1991	9.5	Methylene Chloride	1.8 B	0.02	A	Yes	90	NA	NA	NA	NA	SEACOR 2/14/92*
MW-1-9.5	11/11/1991	9.5	Benzene	0.064	0.03	A	Yes	2.1	NA	NA	NA	NA	SEACOR 2/14/92*
MW-2-9	11/11/1991	9	Nickel	8.7	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 2/14/92*

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
MW-2-9	11/11/1991	9	Mercury	0.14 U	2	A	No	<1	0.030	S	RLE	4.7	SEACOR 2/14/92*
<b>MW-2-9</b>	<b>11/11/1991</b>	<b>9</b>	<b>Copper</b>	<b>49</b>	<b>3000</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>39</b>	<b>S</b>	<b>Yes</b>	<b>1.3</b>	<b>SEACOR 2/14/92*</b>
<b>MW-2-9</b>	<b>11/11/1991</b>	<b>9</b>	<b>Zinc</b>	<b>250</b>	<b>24000</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>38</b>	<b>S</b>	<b>Yes</b>	<b>6.6</b>	<b>SEACOR 2/14/92*</b>
MW-2-9	11/11/1991	9	Chromium	14	19	A, Chromium VI	No	<1	270	S	No	<1	SEACOR 2/14/92*
MW-2-9	11/11/1991	9	Lead	8.8	1000	A	No	<1	67	S	No	<1	SEACOR 2/14/92*
MW-2-9	11/11/1991	9	Total Petroleum Hydrocarbons	10	2000	A	No	<1	NA	NA	NA	NA	SEACOR 2/14/92*
MW-2-9	11/11/1991	9	Benzene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
MW-2-9	11/11/1991	9	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
MW-2-9	11/11/1991	9	Methylene Chloride	0.91 B	0.02	A	Yes	46	NA	NA	NA	NA	SEACOR 2/14/92*
MW-2-9	11/11/1991	9	Arsenic	3.4	0.67	B, Carc	Yes	5.1	590	S	No	<1	SEACOR 2/14/92*
SB-1-8	11/12/1991	8	Benzene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
SB-1-8	11/12/1991	8	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
SB-1-8	11/12/1991	8	Methylene Chloride	0.9 B	0.02	A	Yes	45	NA	NA	NA	NA	SEACOR 2/14/92*
SB-3-4.5-5	11/12/1991	4.5	Nickel	6.6	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 2/14/92*
SB-3-4.5-5	11/12/1991	4.5	Chromium	6.5	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 2/14/92*
SB-3-4.5-5	11/12/1991	4.5	Copper	17	3000	B, NC	No	<1	780	V	No	<1	SEACOR 2/14/92*
SB-3-4.5-5	11/12/1991	4.5	Zinc	27	24000	B, NC	No	<1	770	V	No	<1	SEACOR 2/14/92*
SB-3-4.5-5	11/12/1991	4.5	Arsenic	1.2	0.67	B, Carc	Yes	1.8	12000	V	No	<1	SEACOR 2/14/92*
HA-1-4.5	11/13/1991	4.5	Nickel	6.3	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 2/14/92*
HA-1-4.5	11/13/1991	4.5	Mercury	0.1 U	2	A	No	<1	0.030	S	RLE	3.3	SEACOR 2/14/92*
HA-1-4.5	11/13/1991	4.5	Silver	1.7 U	400	B, NC	No	<1	0.61	S	RLE	2.8	SEACOR 2/14/92*
<b>HA-1-4.5</b>	<b>11/13/1991</b>	<b>4.5</b>	<b>Zinc</b>	<b>100</b>	<b>24000</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>38</b>	<b>S</b>	<b>Yes</b>	<b>2.6</b>	<b>SEACOR 2/14/92*</b>
HA-1-4.5	11/13/1991	4.5	Cadmium	0.42	2	A	No	<1	1.7	S	No	<1	SEACOR 2/14/92*
HA-1-4.5	11/13/1991	4.5	Chromium	8.8	19	A, Chromium VI	No	<1	270	S	No	<1	SEACOR 2/14/92*
HA-1-4.5	11/13/1991	4.5	Copper	8.1	3000	B, NC	No	<1	39	S	No	<1	SEACOR 2/14/92*
HA-1-4.5	11/13/1991	4.5	Lead	5	1000	A	No	<1	67	S	No	<1	SEACOR 2/14/92*
HA-1-7.3	11/13/1991	7.300000191	Total Petroleum Hydrocarbons	47	2000	A	No	<1	NA	NA	NA	NA	SEACOR 2/14/92*
HA-1-7.3	11/13/1991	7.300000191	Benzene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
HA-1-7.3	11/13/1991	7.300000191	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
HA-1-7.3	11/13/1991	7.300000191	Methylene Chloride	0.7 B	0.02	A	Yes	35	NA	NA	NA	NA	SEACOR 2/14/92*
HA-2-4.5	11/13/1991	4.5	Nickel	5.8	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 2/14/92*
HA-2-4.5	11/13/1991	4.5	Cadmium	0.29	2	A	No	<1	34	V	No	<1	SEACOR 2/14/92*
HA-2-4.5	11/13/1991	4.5	Chromium	9.9	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 2/14/92*
HA-2-4.5	11/13/1991	4.5	Copper	6.5	3000	B, NC	No	<1	780	V	No	<1	SEACOR 2/14/92*
HA-2-4.5	11/13/1991	4.5	Lead	1	1000	A	No	<1	1300	V	No	<1	SEACOR 2/14/92*
HA-2-4.5	11/13/1991	4.5	Zinc	18	24000	B, NC	No	<1	770	V	No	<1	SEACOR 2/14/92*
HA-2-6.2	11/13/1991	6.19999809	Total Petroleum Hydrocarbons	8.3	2000	A	No	<1	NA	NA	NA	NA	SEACOR 2/14/92*
HA-8-9.5	11/13/1991	9.5	Benzene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
HA-8-9.5	11/13/1991	9.5	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
HA-8-9.5	11/13/1991	9.5	Methylene Chloride	0.53 B	0.02	A	Yes	27	NA	NA	NA	NA	SEACOR 2/14/92*
SB-5-9	11/13/1991	9	Total Petroleum Hydrocarbons	8.3	2000	A	No	<1	NA	NA	NA	NA	SEACOR 2/14/92*
SB-6-9.5	11/13/1991	9.5	Total Petroleum Hydrocarbons	90	2000	A	No	<1	NA	NA	NA	NA	SEACOR 2/14/92*
SB-7-4.5	11/13/1991	4.5	Total Petroleum Hydrocarbons	99	2000	A	No	<1	NA	NA	NA	NA	SEACOR 2/14/92*
SB-8-4.5	11/13/1991	4.5	Nickel	8.8	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 2/14/92*
SB-8-4.5	11/13/1991	4.5	Cadmium	0.54	2	A	No	<1	34	V	No	<1	SEACOR 2/14/92*
SB-8-4.5	11/13/1991	4.5	Chromium	10	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 2/14/92*
SB-8-4.5	11/13/1991	4.5	Copper	11	3000	B, NC	No	<1	780	V	No	<1	SEACOR 2/14/92*
SB-8-4.5	11/13/1991	4.5	Lead	11	1000	A	No	<1	1300	V	No	<1	SEACOR 2/14/92*

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet) bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to- Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to- Sediment Screening Level Exceedence	Soil-to- Sediment Screening Level Exceedence Factor	Source
SB-8-4.5	11/13/1991	4.5	Zinc	32	24000	B, NC	No	<1	770	V	No	<1	SEACOR 2/14/92*
SB-8-9.5	11/13/1991	9.5	Benzene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
SB-8-9.5	11/13/1991	9.5	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 2/14/92*
SB-8-9.5	11/13/1991	9.5	Methylene Chloride	0.53 B	0.02	A	Yes	27	NA	NA	NA	NA	SEACOR 2/14/92*
SB-10A (3-3.5)	2/3/1993	3	Benzene	0.054 U	0.03	A	RLE	1.8	NA	NA	NA	NA	SECOR 6/15/93*
SB-10A (8-8.5)	2/3/1993	8	Benzene	0.065 U	0.03	A	RLE	2.2	NA	NA	NA	NA	SECOR 6/15/93*
SB-11A (3-3.5)	2/3/1993	3	Acetone	0.0057	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 6/15/93*
SB-11A (7-7.5)	2/3/1993	7	Toluene	0.0015 M	7	A	No	<1	NA	NA	NA	NA	SECOR 6/15/93*
SB-11A (7-7.5)	2/3/1993	7	Acetone	0.023	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 6/15/93*
SB-11A (7-7.5)	2/3/1993	7	MEK (2-Butanone)	0.0068	48000	B, NC	No	<1	NA	NA	NA	NA	SECOR 6/15/93*
SB-11A (7-7.5)	2/3/1993	7	Methylene Chloride	0.0049	0.02	A	No	<1	NA	NA	NA	NA	SECOR 6/15/93*
SB-12A (5.5-6)	2/3/1993	5.5	Benzene	0.054 U	0.03	A	RLE	1.8	NA	NA	NA	NA	SECOR 6/15/93*
SB-12A (9.5-10)	2/3/1993	9.5	Benzene	0.077 U	0.03	A	RLE	2.6	NA	NA	NA	NA	SECOR 6/15/93*
SB-13A (10.5-11)	2/3/1993	10.5	Benzene	0.063 U	0.03	A	RLE	2.1	NA	NA	NA	NA	SECOR 6/15/93*
SB-13A (5.5-5.5)	2/3/1993	5	Benzene	0.054 U	0.03	A	RLE	1.8	NA	NA	NA	NA	SECOR 6/15/93*
SB-9A (3-3.5)	2/3/1993	3	Benzene	0.056 U	0.03	A	RLE	1.9	NA	NA	NA	NA	SECOR 6/15/93*
SB-9A (5.5-6)	2/3/1993	5.5	Benzene	0.057 U	0.03	A	RLE	1.9	NA	NA	NA	NA	SECOR 6/15/93*
<b>Building 3-380</b>													
GT-1	3/16/1989	7.5	Nickel	4.9	NA	NA	NA	NA	NA	NA	NA	NA	GTI 3/29/89
GT-1	3/16/1989	7.5	1,2-Dichlorobenzene	0.25 U	7200	B, NC	No	<1	0.0038	S	RLE	66	GTI 3/29/89
GT-1	3/16/1989	7.5	1,4-Dichlorobenzene	0.25 U	42	B, Carc	No	<1	0.015	S	RLE	17	GTI 3/29/89
GT-1	3/16/1989	7.5	Silver	4.0 U	400	B, NC	No	<1	0.61	S	RLE	6.6	GTI 3/29/89
GT-1	3/16/1989	7.5	Mercury	0.04	2	A	No	<1	0.030	S	Yes	1.3	GTI 3/29/89
GT-1	3/16/1989	7.5	Chromium	7.3	19	A, Chromium VI	No	<1	270	S	No	<1	GTI 3/29/89
GT-1	3/16/1989	7.5	Copper	13	3000	B, NC	No	<1	39	S	No	<1	GTI 3/29/89
GT-1	3/16/1989	7.5	Zinc	14	24000	B, NC	No	<1	38	S	No	<1	GTI 3/29/89
GT-1	3/16/1989	7.5	Antimony	40 U	32	B, NC	RLE	1.3	NA	NA	NA	NA	GTI 3/29/89
GT-1	3/16/1989	7.5	Benzene	0.25 U	0.03	A	RLE	8.3	NA	NA	NA	NA	GTI 3/29/89
GT-1	3/16/1989	7.5	Methylene Chloride	0.25 U	0.02	A	RLE	13	NA	NA	NA	NA	GTI 3/29/89
GT-1	3/16/1989	7.5	Tetrachloroethene	0.25 U	0.05	A	RLE	5.0	NA	NA	NA	NA	GTI 3/29/89
GT-1	3/16/1989	7.5	Trichloroethene	0.25 U	0.03	A	RLE	8.3	NA	NA	NA	NA	GTI 3/29/89
GT-1	3/16/1989	7.5	Arsenic	3.1	0.67	B, Carc	Yes	4.6	590	S	No	<1	GTI 3/29/89
GT-2	3/16/1989	7.5	Nickel	4.9	NA	NA	NA	NA	NA	NA	NA	NA	GTI 3/29/89
GT-2	3/16/1989	7.5	1,2-Dichlorobenzene	0.25 U	7200	B, NC	No	<1	0.0038	S	RLE	66	GTI 3/29/89
GT-2	3/16/1989	7.5	1,4-Dichlorobenzene	0.25 U	42	B, Carc	No	<1	0.015	S	RLE	17	GTI 3/29/89
GT-2	3/16/1989	7.5	Silver	4.0 U	400	B, NC	No	<1	0.61	S	RLE	6.6	GTI 3/29/89
GT-2	3/16/1989	7.5	Mercury	0.04	2	A	No	<1	0.030	S	Yes	1.3	GTI 3/29/89
GT-2	3/16/1989	7.5	Chromium	8.8	19	A, Chromium VI	No	<1	270	S	No	<1	GTI 3/29/89
GT-2	3/16/1989	7.5	Copper	17	3000	B, NC	No	<1	39	S	No	<1	GTI 3/29/89
GT-2	3/16/1989	7.5	Zinc	19	24000	B, NC	No	<1	38	S	No	<1	GTI 3/29/89
GT-2	3/16/1989	7.5	Beryllium	1.3	160	B, NC	No	<1	NA	NA	NA	NA	GTI 3/29/89
GT-2	3/16/1989	7.5	Antimony	40 U	32	B, NC	RLE	1.3	NA	NA	NA	NA	GTI 3/29/89
GT-2	3/16/1989	7.5	Benzene	0.25 U	0.03	A	RLE	8.3	NA	NA	NA	NA	GTI 3/29/89
GT-2	3/16/1989	7.5	Methylene Chloride	0.25 U	0.02	A	RLE	13	NA	NA	NA	NA	GTI 3/29/89
GT-2	3/16/1989	7.5	Tetrachloroethene	0.25 U	0.05	A	RLE	5.0	NA	NA	NA	NA	GTI 3/29/89
GT-2	3/16/1989	7.5	Trichloroethene	0.25 U	0.03	A	RLE	8.3	NA	NA	NA	NA	GTI 3/29/89
GT-2	3/16/1989	7.5	Arsenic	2.8	0.67	B, Carc	Yes	4.2	590	S	No	<1	GTI 3/29/89
GT-3	3/17/1989	7.5	Silver	4.0 U	400	B, NC	No	<1	0.61	S	RLE	6.6	GTI 3/29/89

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet) bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to- Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to- Sediment Screening Level Exceedence	Soil-to- Sediment Screening Level Exceedence Factor	Source
GT-3	3/17/1989	7.5	Mercury	0.033	2	A	No	<1	0.030	S	Yes	1.1	GTI 3/29/89
GT-3	3/17/1989	7.5	Antimony	40 U	32	B, NC	RLE	1.3	NA	NA	NA	NA	GTI 3/29/89
GT-3	3/17/1989	7.5	Arsenic	2.4	0.67	B, Carc	Yes	3.6	590	S	No	<1	GTI 3/29/89
GT-4	3/17/1989	7.5	Nickel	4.8	NA	NA	NA	NA	NA	NA	NA	NA	GTI 3/29/89
GT-4	3/17/1989	7.5	Silver	4.0 U	400	B, NC	No	<1	0.61	S	RLE	6.6	GTI 3/29/89
GT-4	3/17/1989	7.5	Chromium	8.5	19	A, Chromium VI	No	<1	270	S	No	<1	GTI 3/29/89
GT-4	3/17/1989	7.5	Copper	18	3000	B, NC	No	<1	39	S	No	<1	GTI 3/29/89
GT-4	3/17/1989	7.5	Mercury	0.03	2	A	No	<1	0.030	S	No	1.0	GTI 3/29/89
GT-4	3/17/1989	7.5	Zinc	15	24000	B, NC	No	<1	38	S	No	<1	GTI 3/29/89
GT-4	3/17/1989	7.5	Beryllium	1.4	160	B, NC	No	<1	NA	NA	NA	NA	GTI 3/29/89
GT-4	3/17/1989	7.5	Antimony	40 U	32	B, NC	RLE	1.3	NA	NA	NA	NA	GTI 3/29/89
GT-4	3/17/1989	7.5	Arsenic	4.1	0.67	B, Carc	Yes	6.1	590	S	No	<1	GTI 3/29/89
GT-5	3/17/1989	7.5	Nickel	4.9	NA	NA	NA	NA	NA	NA	NA	NA	GTI 3/29/89
GT-5	3/17/1989	7.5	Silver	4.0 U	400	B, NC	No	<1	0.61	S	RLE	6.6	GTI 3/29/89
GT-5	3/17/1989	7.5	Mercury	0.04	2	A	No	<1	0.030	S	Yes	1.3	GTI 3/29/89
GT-5	3/17/1989	7.5	Chromium	7.3	19	A, Chromium VI	No	<1	270	S	No	<1	GTI 3/29/89
GT-5	3/17/1989	7.5	Copper	13	3000	B, NC	No	<1	39	S	No	<1	GTI 3/29/89
GT-5	3/17/1989	7.5	Zinc	14	24000	B, NC	No	<1	38	S	No	<1	GTI 3/29/89
GT-5	3/17/1989	7.5	Antimony	40 U	32	B, NC	RLE	1.3	NA	NA	NA	NA	GTI 3/29/89
GT-5	3/17/1989	7.5	Arsenic	2.8	0.67	B, Carc	Yes	4.2	590	S	No	<1	GTI 3/29/89
B-1	3/12/1990	5.0	Di-n-butylphthalate	1.6 B	8000	B, NC	No	<1	39	V	No	<1	GTI 5/1990
B-1	3/12/1990	5.0	1,2,4-Trichlorobenzene	0.17 U	800	B, NC	No	<1	0.046	V	RLE	3.7	GTI 5/1990
B-1	3/12/1990	5.0	1,2-Dichlorobenzene	0.17 U	7200	B, NC	No	<1	0.068	V	RLE	2.5	GTI 5/1990
B-1	3/12/1990	5.0	2,4-Dimethylphenol	0.17 U	1600	B, NC	No	<1	0.037	V	RLE	4.6	GTI 5/1990
B-1	3/12/1990	5.0	2-Methylphenol (o-cresol)	0.17 U	4000	B, NC	No	<1	0.091	V	RLE	1.9	GTI 5/1990
B-1	3/12/1990	5.0	Hexachlorobenzene	0.17 U	0.63	B, Carc	No	<1	0.046	V	RLE	3.7	GTI 5/1990
B-1	3/12/1990	5.0	Hexachlorobutadiene	0.17 U	13	B, Carc	No	<1	0.15	V	RLE	1.1	GTI 5/1990
B-1	3/12/1990	5.0	Pentachlorophenol	0.85 U	8.3	B, Carc	No	<1	0.73	V	RLE	1.2	GTI 5/1990
B-1	3/12/1990	5.0	Benzo(a)pyrene	0.17 U	0.137	B, Carc	RLE	1.2	4.2	V	No	<1	GTI 5/1990
B-1	3/12/1990	5.0	Benzene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-1	3/12/1990	5.0	Benzidine	1.7 U	0.0043	B, Carc	RLE	395	NA	NA	NA	NA	GTI 5/1990
B-1	3/12/1990	5.0	Methylene Chloride	0.25 U	0.02	A	RLE	13	NA	NA	NA	NA	GTI 5/1990
B-1	3/12/1990	5.0	N-nitrosodimethylamine	0.17 U	0.02	B, Carc	RLE	8.5	NA	NA	NA	NA	GTI 5/1990
B-1	3/12/1990	5.0	N-nitroso-di-n-propylamine	0.17 U	0.14	B, Carc	RLE	1.2	NA	NA	NA	NA	GTI 5/1990
B-1	3/12/1990	5.0	Trichloroethene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-12	3/12/1990	6.0	Di-n-butylphthalate	0.92 B	8000	B, NC	No	<1	39	V	No	<1	GTI 5/1990
B-12	3/12/1990	6.0	1,2,4-Trichlorobenzene	0.28 U	800	B, NC	No	<1	0.046	V	RLE	6.1	GTI 5/1990
B-12	3/12/1990	6.0	1,2-Dichlorobenzene	0.28 U	7200	B, NC	No	<1	0.068	V	RLE	4.1	GTI 5/1990
B-12	3/12/1990	6.0	2,4-Dimethylphenol	0.28 U	1600	B, NC	No	<1	0.037	V	RLE	7.6	GTI 5/1990
B-12	3/12/1990	6.0	2-Methylphenol (o-cresol)	0.28 U	4000	B, NC	No	<1	0.091	V	RLE	3.1	GTI 5/1990
B-12	3/12/1990	6.0	Hexachlorobenzene	0.28 U	0.63	B, Carc	No	<1	0.046	V	RLE	6.1	GTI 5/1990
B-12	3/12/1990	6.0	Hexachlorobutadiene	0.28 U	13	B, Carc	No	<1	0.15	V	RLE	1.9	GTI 5/1990
B-12	3/12/1990	6.0	N-nitrosodiphenylamine	0.28 U	200	B, Carc	No	<1	0.23	V	RLE	1.2	GTI 5/1990
B-12	3/12/1990	6.0	Pentachlorophenol	1.4 U	8.3	B, Carc	No	<1	0.73	V	RLE	1.9	GTI 5/1990
B-12	3/12/1990	6.0	Benzoic Acid	1.4	320000	B, NC	No	<1	9.6	V	No	<1	GTI 5/1990
B-12	3/12/1990	6.0	Benzo(a)pyrene	0.28 U	0.137	B, Carc	RLE	2.0	4.2	V	No	<1	GTI 5/1990
B-12	3/12/1990	6.0	Benzene	0.082 U	0.03	A	RLE	2.7	NA	NA	NA	NA	GTI 5/1990
B-12	3/12/1990	6.0	Benzidine	2.8 U	0.0043	B, Carc	RLE	651	NA	NA	NA	NA	GTI 5/1990

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet) bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to- Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to- Sediment Screening Level Exceedence	Soil-to- Sediment Screening Level Exceedence Factor	Source
B-12	3/12/1990	6.0	Methylene Chloride	0.41 U	0.02	A	RLE	21	NA	NA	NA	NA	GTI 5/1990
B-12	3/12/1990	6.0	N-nitrosodimethylamine	0.28 U	0.02	B, Carc	RLE	14	NA	NA	NA	NA	GTI 5/1990
B-12	3/12/1990	6.0	N-nitroso-di-n-propylamine	0.28 U	0.14	B, Carc	RLE	2.0	NA	NA	NA	NA	GTI 5/1990
B-12	3/12/1990	6.0	Tetrachloroethene	0.082 U	0.05	A	RLE	1.6	NA	NA	NA	NA	GTI 5/1990
B-12	3/12/1990	6.0	Trichloroethene	0.082 U	0.03	A	RLE	2.7	NA	NA	NA	NA	GTI 5/1990
B-14	3/12/1990	6.0	Di-n-butylphthalate	1.0 B	8000	B, NC	No	<1	39	V	No	<1	GTI 5/1990
B-14	3/12/1990	6.0	1,2,4-Trichlorobenzene	0.17 U	800	B, NC	No	<1	0.046	V	RLE	3.7	GTI 5/1990
B-14	3/12/1990	6.0	1,2-Dichlorobenzene	0.17 U	7200	B, NC	No	<1	0.068	V	RLE	2.5	GTI 5/1990
B-14	3/12/1990	6.0	2,4-Dimethylphenol	0.17 U	1600	B, NC	No	<1	0.037	V	RLE	4.6	GTI 5/1990
B-14	3/12/1990	6.0	2-Methylphenol (o-cresol)	0.17 U	4000	B, NC	No	<1	0.091	V	RLE	1.9	GTI 5/1990
B-14	3/12/1990	6.0	Hexachlorobenzene	0.17 U	0.63	B, Carc	No	<1	0.046	V	RLE	3.7	GTI 5/1990
B-14	3/12/1990	6.0	Hexachlorobutadiene	0.17 U	13	B, Carc	No	<1	0.15	V	RLE	1.1	GTI 5/1990
B-14	3/12/1990	6.0	Pentachlorophenol	0.85 U	8.3	B, Carc	No	<1	0.73	V	RLE	1.2	GTI 5/1990
B-14	3/12/1990	6.0	Benzo(a)pyrene	0.17 U	0.137	B, Carc	RLE	1.2	4.2	V	No	<1	GTI 5/1990
B-14	3/12/1990	6.0	Benzene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-14	3/12/1990	6.0	Benzydine	1.7 U	0.0043	B, Carc	RLE	395	NA	NA	NA	NA	GTI 5/1990
B-14	3/12/1990	6.0	Methylene Chloride	0.25 U	0.02	A	RLE	13	NA	NA	NA	NA	GTI 5/1990
B-14	3/12/1990	6.0	N-nitrosodimethylamine	0.17 U	0.02	B, Carc	RLE	8.5	NA	NA	NA	NA	GTI 5/1990
B-14	3/12/1990	6.0	N-nitroso-di-n-propylamine	0.17 U	0.14	B, Carc	RLE	1.2	NA	NA	NA	NA	GTI 5/1990
B-14	3/12/1990	6.0	Trichloroethene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-16	3/12/1990	6.0	Di-n-butylphthalate	1.1 B	8000	B, NC	No	<1	39	V	No	<1	GTI 5/1990
B-16	3/12/1990	6.0	1,2,4-Trichlorobenzene	0.17 U	800	B, NC	No	<1	0.046	V	RLE	3.7	GTI 5/1990
B-16	3/12/1990	6.0	1,2-Dichlorobenzene	0.17 U	7200	B, NC	No	<1	0.068	V	RLE	2.5	GTI 5/1990
B-16	3/12/1990	6.0	2,4-Dimethylphenol	0.17 U	1600	B, NC	No	<1	0.037	V	RLE	4.6	GTI 5/1990
B-16	3/12/1990	6.0	2-Methylphenol (o-cresol)	0.17 U	4000	B, NC	No	<1	0.091	V	RLE	1.9	GTI 5/1990
B-16	3/12/1990	6.0	Hexachlorobenzene	0.17 U	0.63	B, Carc	No	<1	0.046	V	RLE	3.7	GTI 5/1990
B-16	3/12/1990	6.0	Hexachlorobutadiene	0.17 U	13	B, Carc	No	<1	0.15	V	RLE	1.1	GTI 5/1990
B-16	3/12/1990	6.0	Pentachlorophenol	0.85 U	8.3	B, Carc	No	<1	0.73	V	RLE	1.2	GTI 5/1990
B-16	3/12/1990	6.0	Benzo(a)pyrene	0.17 U	0.137	B, Carc	RLE	1.2	4.2	V	No	<1	GTI 5/1990
B-16	3/12/1990	6.0	Benzene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-16	3/12/1990	6.0	Benzydine	1.7 U	0.0043	B, Carc	RLE	395	NA	NA	NA	NA	GTI 5/1990
B-16	3/12/1990	6.0	Methylene Chloride	0.25 U	0.02	A	RLE	13	NA	NA	NA	NA	GTI 5/1990
B-16	3/12/1990	6.0	N-nitrosodimethylamine	0.17 U	0.02	B, Carc	RLE	8.5	NA	NA	NA	NA	GTI 5/1990
B-16	3/12/1990	6.0	N-nitroso-di-n-propylamine	0.17 U	0.14	B, Carc	RLE	1.2	NA	NA	NA	NA	GTI 5/1990
B-16	3/12/1990	6.0	Trichloroethene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-18	3/12/1990	6.0	Di-n-butylphthalate	2.1 B	8000	B, NC	No	<1	39	V	No	<1	GTI 5/1990
B-18	3/12/1990	6.0	1,2,4-Trichlorobenzene	0.26 U	800	B, NC	No	<1	0.046	V	RLE	5.7	GTI 5/1990
B-18	3/12/1990	6.0	1,2-Dichlorobenzene	0.26 U	7200	B, NC	No	<1	0.068	V	RLE	3.8	GTI 5/1990
B-18	3/12/1990	6.0	2,4-Dimethylphenol	0.26 U	1600	B, NC	No	<1	0.037	V	RLE	7.0	GTI 5/1990
B-18	3/12/1990	6.0	2-Methylphenol (o-cresol)	0.26 U	4000	B, NC	No	<1	0.091	V	RLE	2.9	GTI 5/1990
B-18	3/12/1990	6.0	Hexachlorobenzene	0.26 U	0.63	B, Carc	No	<1	0.046	V	RLE	5.7	GTI 5/1990
B-18	3/12/1990	6.0	Hexachlorobutadiene	0.26 U	13	B, Carc	No	<1	0.15	V	RLE	1.7	GTI 5/1990
B-18	3/12/1990	6.0	N-nitrosodiphenylamine	0.26 U	200	B, Carc	No	<1	0.23	V	RLE	1.1	GTI 5/1990
B-18	3/12/1990	6.0	Pentachlorophenol	1.3 U	8.3	B, Carc	No	<1	0.73	V	RLE	1.8	GTI 5/1990
B-18	3/12/1990	6.0	Total Petroleum Hydrocarbons	16	2000	A	No	<1	NA	NA	NA	NA	GTI 5/1990
B-18	3/12/1990	6.0	Benzo(a)pyrene	0.26 U	0.137	B, Carc	RLE	1.9	4.2	V	No	<1	GTI 5/1990
B-18	3/12/1990	6.0	Benzene	0.078 U	0.03	A	RLE	2.6	NA	NA	NA	NA	GTI 5/1990
B-18	3/12/1990	6.0	Benzydine	2.6 U	0.0043	B, Carc	RLE	605	NA	NA	NA	NA	GTI 5/1990

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet) bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to- Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to- Sediment Screening Level Exceedence	Soil-to- Sediment Screening Level Exceedence Factor	Source
B-18	3/12/1990	6.0	Methylene Chloride	0.39 U	0.02	A	RLE	20	NA	NA	NA	NA	GTI 5/1990
B-18	3/12/1990	6.0	N-nitrosodimethylamine	0.26 U	0.02	B, Carc	RLE	13	NA	NA	NA	NA	GTI 5/1990
B-18	3/12/1990	6.0	N-nitroso-di-n-propylamine	0.26 U	0.14	B, Carc	RLE	1.9	NA	NA	NA	NA	GTI 5/1990
B-18	3/12/1990	6.0	Tetrachloroethene	0.078 U	0.05	A	RLE	1.6	NA	NA	NA	NA	GTI 5/1990
B-18	3/12/1990	6.0	Trichloroethene	0.078 U	0.03	A	RLE	2.6	NA	NA	NA	NA	GTI 5/1990
B-22	3/12/1990	6.0	Di-n-butylphthalate	1.8 B	8000	B, NC	No	<1	39	V	No	<1	GTI 5/1990
B-22	3/12/1990	6.0	1,2,4-Trichlorobenzene	0.17 U	800	B, NC	No	<1	0.046	V	RLE	3.7	GTI 5/1990
B-22	3/12/1990	6.0	1,2-Dichlorobenzene	0.17 U	7200	B, NC	No	<1	0.068	V	RLE	2.5	GTI 5/1990
B-22	3/12/1990	6.0	2,4-Dimethylphenol	0.17 U	1600	B, NC	No	<1	0.037	V	RLE	4.6	GTI 5/1990
B-22	3/12/1990	6.0	2-Methylphenol (o-cresol)	0.17 U	4000	B, NC	No	<1	0.091	V	RLE	1.9	GTI 5/1990
B-22	3/12/1990	6.0	Hexachlorobenzene	0.17 U	0.63	B, Carc	No	<1	0.046	V	RLE	3.7	GTI 5/1990
B-22	3/12/1990	6.0	Hexachlorobutadiene	0.17 U	13	B, Carc	No	<1	0.15	V	RLE	1.1	GTI 5/1990
B-22	3/12/1990	6.0	Pentachlorophenol	0.85 U	8.3	B, Carc	No	<1	0.73	V	RLE	1.2	GTI 5/1990
B-22	3/12/1990	6.0	Total Petroleum Hydrocarbons	5.6	2000	A	No	<1	NA	NA	NA	NA	GTI 5/1990
B-22	3/12/1990	6.0	Benzo(a)pyrene	0.17 U	0.137	B, Carc	RLE	1.2	4.2	V	No	<1	GTI 5/1990
B-22	3/12/1990	6.0	Benzene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-22	3/12/1990	6.0	Benzidine	1.7 U	0.0043	B, Carc	RLE	395	NA	NA	NA	NA	GTI 5/1990
B-22	3/12/1990	6.0	Methylene Chloride	0.25 U	0.02	A	RLE	13	NA	NA	NA	NA	GTI 5/1990
B-22	3/12/1990	6.0	N-nitrosodimethylamine	0.17 U	0.02	B, Carc	RLE	8.5	NA	NA	NA	NA	GTI 5/1990
B-22	3/12/1990	6.0	N-nitroso-di-n-propylamine	0.17 U	0.14	B, Carc	RLE	1.2	NA	NA	NA	NA	GTI 5/1990
B-22	3/12/1990	6.0	Trichloroethene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-26	3/12/1990	6.0	Di-n-butylphthalate	0.41 B	8000	B, NC	No	<1	39	V	No	<1	GTI 5/1990
B-26	3/12/1990	6.0	1,2,4-Trichlorobenzene	0.17 U	800	B, NC	No	<1	0.046	V	RLE	3.7	GTI 5/1990
B-26	3/12/1990	6.0	1,2-Dichlorobenzene	0.17 U	7200	B, NC	No	<1	0.068	V	RLE	2.5	GTI 5/1990
B-26	3/12/1990	6.0	2,4-Dimethylphenol	0.17 U	1600	B, NC	No	<1	0.037	V	RLE	4.6	GTI 5/1990
B-26	3/12/1990	6.0	2-Methylphenol (o-cresol)	0.17 U	4000	B, NC	No	<1	0.091	V	RLE	1.9	GTI 5/1990
B-26	3/12/1990	6.0	Hexachlorobenzene	0.17 U	0.63	B, Carc	No	<1	0.046	V	RLE	3.7	GTI 5/1990
B-26	3/12/1990	6.0	Hexachlorobutadiene	0.17 U	13	B, Carc	No	<1	0.15	V	RLE	1.1	GTI 5/1990
B-26	3/12/1990	6.0	Pentachlorophenol	0.85 U	8.3	B, Carc	No	<1	0.73	V	RLE	1.2	GTI 5/1990
B-26	3/12/1990	6.0	Total Petroleum Hydrocarbons	5.4	2000	A	No	<1	NA	NA	NA	NA	GTI 5/1990
B-26	3/12/1990	6.0	Benzo(a)pyrene	0.17 U	0.137	B, Carc	RLE	1.2	4.2	V	No	<1	GTI 5/1990
B-26	3/12/1990	6.0	Benzene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-26	3/12/1990	6.0	Benzidine	1.7 U	0.0043	B, Carc	RLE	395	NA	NA	NA	NA	GTI 5/1990
B-26	3/12/1990	6.0	Methylene Chloride	0.25 U	0.02	A	RLE	13	NA	NA	NA	NA	GTI 5/1990
B-26	3/12/1990	6.0	N-nitrosodimethylamine	0.17 U	0.02	B, Carc	RLE	8.5	NA	NA	NA	NA	GTI 5/1990
B-26	3/12/1990	6.0	N-nitroso-di-n-propylamine	0.17 U	0.14	B, Carc	RLE	1.2	NA	NA	NA	NA	GTI 5/1990
B-26	3/12/1990	6.0	Trichloroethene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-5	3/12/1990	5.0	Di-n-butylphthalate	0.86 B	8000	B, NC	No	<1	39	V	No	<1	GTI 5/1990
B-5	3/12/1990	5.0	1,2,4-Trichlorobenzene	0.17 U	800	B, NC	No	<1	0.046	V	RLE	3.7	GTI 5/1990
B-5	3/12/1990	5.0	1,2-Dichlorobenzene	0.17 U	7200	B, NC	No	<1	0.068	V	RLE	2.5	GTI 5/1990
B-5	3/12/1990	5.0	2,4-Dimethylphenol	0.17 U	1600	B, NC	No	<1	0.037	V	RLE	4.6	GTI 5/1990
B-5	3/12/1990	5.0	2-Methylphenol (o-cresol)	0.17 U	4000	B, NC	No	<1	0.091	V	RLE	1.9	GTI 5/1990
B-5	3/12/1990	5.0	Hexachlorobenzene	0.17 U	0.63	B, Carc	No	<1	0.046	V	RLE	3.7	GTI 5/1990
B-5	3/12/1990	5.0	Hexachlorobutadiene	0.17 U	13	B, Carc	No	<1	0.15	V	RLE	1.1	GTI 5/1990
B-5	3/12/1990	5.0	Pentachlorophenol	0.85 U	8.3	B, Carc	No	<1	0.73	V	RLE	1.2	GTI 5/1990
B-5	3/12/1990	5.0	Benzo(a)pyrene	0.17 U	0.137	B, Carc	RLE	1.2	4.2	V	No	<1	GTI 5/1990
B-5	3/12/1990	5.0	Benzene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-5	3/12/1990	5.0	Benzidine	1.7 U	0.0043	B, Carc	RLE	395	NA	NA	NA	NA	GTI 5/1990



**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet) bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to- Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to- Sediment Screening Level Exceedence	Soil-to- Sediment Screening Level Exceedence Factor	Source
B-5	3/12/1990	5.0	Methylene Chloride	0.25 U	0.02	A	RLE	13	NA	NA	NA	NA	GTI 5/1990
B-5	3/12/1990	5.0	N-nitrosodimethylamine	0.17 U	0.02	B, Carc	RLE	8.5	NA	NA	NA	NA	GTI 5/1990
B-5	3/12/1990	5.0	N-nitroso-di-n-propylamine	0.17 U	0.14	B, Carc	RLE	1.2	NA	NA	NA	NA	GTI 5/1990
B-5	3/12/1990	5.0	Trichloroethene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-7	3/12/1990	5.0	1,2,4-Trichlorobenzene	0.34 U	800	B, NC	No	<1	0.046	V	RLE	7.4	GTI 5/1990
B-7	3/12/1990	5.0	1,2-Dichlorobenzene	0.34 U	7200	B, NC	No	<1	0.068	V	RLE	5.0	GTI 5/1990
B-7	3/12/1990	5.0	1,4-Dichlorobenzene	0.34 U	42	B, Carc	No	<1	0.27	V	RLE	1.3	GTI 5/1990
B-7	3/12/1990	5.0	2,4-Dimethylphenol	0.34 U	1600	B, NC	No	<1	0.037	V	RLE	9.2	GTI 5/1990
B-7	3/12/1990	5.0	2-Methylphenol (o-cresol)	0.34 U	4000	B, NC	No	<1	0.091	V	RLE	3.7	GTI 5/1990
B-7	3/12/1990	5.0	Hexachlorobenzene	0.34 U	0.63	B, Carc	No	<1	0.046	V	RLE	7.4	GTI 5/1990
B-7	3/12/1990	5.0	Hexachlorobutadiene	0.34 U	13	B, Carc	No	<1	0.15	V	RLE	2.3	GTI 5/1990
B-7	3/12/1990	5.0	N-nitrosodiphenylamine	0.34 U	200	B, Carc	No	<1	0.23	V	RLE	1.5	GTI 5/1990
B-7	3/12/1990	5.0	Pentachlorophenol	1.7 U	8.3	B, Carc	No	<1	0.73	V	RLE	2.3	GTI 5/1990
B-7	3/12/1990	5.0	Total Petroleum Hydrocarbons	31	2000	A	No	<1	NA	NA	NA	NA	GTI 5/1990
B-7	3/12/1990	5.0	Benzo(a)pyrene	0.34 U	0.137	B, Carc	RLE	2.5	4.2	V	No	<1	GTI 5/1990
B-7	3/12/1990	5.0	Benzene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-7	3/12/1990	5.0	Benidine	3.4 U	0.0043	B, Carc	RLE	791	NA	NA	NA	NA	GTI 5/1990
B-7	3/12/1990	5.0	Methylene Chloride	0.25 U	0.02	A	RLE	13	NA	NA	NA	NA	GTI 5/1990
B-7	3/12/1990	5.0	N-nitrosodimethylamine	0.34 U	0.02	B, Carc	RLE	17	NA	NA	NA	NA	GTI 5/1990
B-7	3/12/1990	5.0	N-nitroso-di-n-propylamine	0.34 U	0.14	B, Carc	RLE	2.4	NA	NA	NA	NA	GTI 5/1990
B-7	3/12/1990	5.0	Trichloroethene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-8	3/12/1990	6.0	Di-n-butylphthalate	0.66 B	8000	B, NC	No	<1	39	V	No	<1	GTI 5/1990
B-8	3/12/1990	6.0	1,2,4-Trichlorobenzene	0.17 U	800	B, NC	No	<1	0.046	V	RLE	3.7	GTI 5/1990
B-8	3/12/1990	6.0	1,2-Dichlorobenzene	0.17 U	7200	B, NC	No	<1	0.068	V	RLE	2.5	GTI 5/1990
B-8	3/12/1990	6.0	2,4-Dimethylphenol	0.17 U	1600	B, NC	No	<1	0.037	V	RLE	4.6	GTI 5/1990
B-8	3/12/1990	6.0	2-Methylphenol (o-cresol)	0.17 U	4000	B, NC	No	<1	0.091	V	RLE	1.9	GTI 5/1990
B-8	3/12/1990	6.0	Hexachlorobenzene	0.17 U	0.63	B, Carc	No	<1	0.046	V	RLE	3.7	GTI 5/1990
B-8	3/12/1990	6.0	Hexachlorobutadiene	0.17 U	13	B, Carc	No	<1	0.15	V	RLE	1.1	GTI 5/1990
B-8	3/12/1990	6.0	Pentachlorophenol	0.85 U	8.3	B, Carc	No	<1	0.73	V	RLE	1.2	GTI 5/1990
B-8	3/12/1990	6.0	Benzo(a)pyrene	0.17 U	0.137	B, Carc	RLE	1.2	4.2	V	No	<1	GTI 5/1990
B-8	3/12/1990	6.0	Benzene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-8	3/12/1990	6.0	Benidine	1.7 U	0.0043	B, Carc	RLE	395	NA	NA	NA	NA	GTI 5/1990
B-8	3/12/1990	6.0	Methylene Chloride	0.25 U	0.02	A	RLE	13	NA	NA	NA	NA	GTI 5/1990
B-8	3/12/1990	6.0	N-nitrosodimethylamine	0.17 U	0.02	B, Carc	RLE	8.5	NA	NA	NA	NA	GTI 5/1990
B-8	3/12/1990	6.0	N-nitroso-di-n-propylamine	0.17 U	0.14	B, Carc	RLE	1.2	NA	NA	NA	NA	GTI 5/1990
B-8	3/12/1990	6.0	Trichloroethene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-23	3/13/1990	5.0	Di-n-butylphthalate	0.8 B	8000	B, NC	No	<1	39	V	No	<1	GTI 5/1990
B-23	3/13/1990	5.0	1,2,4-Trichlorobenzene	0.17 U	800	B, NC	No	<1	0.046	V	RLE	3.7	GTI 5/1990
B-23	3/13/1990	5.0	1,2-Dichlorobenzene	0.17 U	7200	B, NC	No	<1	0.068	V	RLE	2.5	GTI 5/1990
B-23	3/13/1990	5.0	2,4-Dimethylphenol	0.17 U	1600	B, NC	No	<1	0.037	V	RLE	4.6	GTI 5/1990
B-23	3/13/1990	5.0	2-Methylphenol (o-cresol)	0.17 U	4000	B, NC	No	<1	0.091	V	RLE	1.9	GTI 5/1990
B-23	3/13/1990	5.0	Hexachlorobenzene	0.17 U	0.63	B, Carc	No	<1	0.046	V	RLE	3.7	GTI 5/1990
B-23	3/13/1990	5.0	Hexachlorobutadiene	0.17 U	13	B, Carc	No	<1	0.15	V	RLE	1.1	GTI 5/1990
B-23	3/13/1990	5.0	Pentachlorophenol	0.85 U	8.3	B, Carc	No	<1	0.73	V	RLE	1.2	GTI 5/1990
B-23	3/13/1990	5.0	Benzo(a)pyrene	0.17 U	0.137	B, Carc	RLE	1.2	4.2	V	No	<1	GTI 5/1990
B-23	3/13/1990	5.0	Benzene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-23	3/13/1990	5.0	Benidine	1.7 U	0.0043	B, Carc	RLE	395	NA	NA	NA	NA	GTI 5/1990
B-23	3/13/1990	5.0	Methylene Chloride	0.25 U	0.02	A	RLE	13	NA	NA	NA	NA	GTI 5/1990

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
B-23	3/13/1990	5.0	N-nitrosodimethylamine	0.17 U	0.02	B, Carc	RLE	8.5	NA	NA	NA	NA	GTI 5/1990
B-23	3/13/1990	5.0	N-nitroso-di-n-propylamine	0.17 U	0.14	B, Carc	RLE	1.2	NA	NA	NA	NA	GTI 5/1990
B-23	3/13/1990	5.0	Trichloroethene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-25	3/13/1990	5.0	Di-n-butylphthalate	1.0 B	8000	B, NC	No	<1	39	V	No	<1	GTI 5/1990
B-25	3/13/1990	5.0	1,2,4-Trichlorobenzene	0.17 U	800	B, NC	No	<1	0.046	V	RLE	3.7	GTI 5/1990
B-25	3/13/1990	5.0	1,2-Dichlorobenzene	0.17 U	7200	B, NC	No	<1	0.068	V	RLE	2.5	GTI 5/1990
B-25	3/13/1990	5.0	2,4-Dimethylphenol	0.17 U	1600	B, NC	No	<1	0.037	V	RLE	4.6	GTI 5/1990
B-25	3/13/1990	5.0	2-Methylphenol (o-cresol)	0.17 U	4000	B, NC	No	<1	0.091	V	RLE	1.9	GTI 5/1990
B-25	3/13/1990	5.0	Hexachlorobenzene	0.17 U	0.63	B, Carc	No	<1	0.046	V	RLE	3.7	GTI 5/1990
B-25	3/13/1990	5.0	Hexachlorobutadiene	0.17 U	13	B, Carc	No	<1	0.15	V	RLE	1.1	GTI 5/1990
B-25	3/13/1990	5.0	Pentachlorophenol	0.85 U	8.3	B, Carc	No	<1	0.73	V	RLE	1.2	GTI 5/1990
B-25	3/13/1990	5.0	Total Petroleum Hydrocarbons	5.5	2000	A	No	<1	NA	NA	NA	NA	GTI 5/1990
B-25	3/13/1990	5.0	Benzo(a)pyrene	0.17 U	0.137	B, Carc	RLE	1.2	4.2	V	No	<1	GTI 5/1990
B-25	3/13/1990	5.0	Benzene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-25	3/13/1990	5.0	Benzidine	1.7 U	0.0043	B, Carc	RLE	395	NA	NA	NA	NA	GTI 5/1990
B-25	3/13/1990	5.0	Methylene Chloride	0.25 U	0.02	A	RLE	13	NA	NA	NA	NA	GTI 5/1990
B-25	3/13/1990	5.0	N-nitrosodimethylamine	0.17 U	0.02	B, Carc	RLE	8.5	NA	NA	NA	NA	GTI 5/1990
B-25	3/13/1990	5.0	N-nitroso-di-n-propylamine	0.17 U	0.14	B, Carc	RLE	1.2	NA	NA	NA	NA	GTI 5/1990
B-25	3/13/1990	5.0	Trichloroethene	0.050 U	0.03	A	RLE	1.7	NA	NA	NA	NA	GTI 5/1990
B-3	3/13/1990	5.0	Di-n-butylphthalate	1.8 B	8000	B, NC	No	<1	39	V	No	<1	GTI 5/1990
B-3	3/13/1990	5.0	1,2,4-Trichlorobenzene	0.32 U	800	B, NC	No	<1	0.046	V	RLE	7.0	GTI 5/1990
B-3	3/13/1990	5.0	1,2-Dichlorobenzene	0.32 U	7200	B, NC	No	<1	0.068	V	RLE	4.7	GTI 5/1990
B-3	3/13/1990	5.0	1,4-Dichlorobenzene	0.32 U	42	B, Carc	No	<1	0.27	V	RLE	1.2	GTI 5/1990
B-3	3/13/1990	5.0	2,4-Dimethylphenol	0.32 U	1600	B, NC	No	<1	0.037	V	RLE	8.6	GTI 5/1990
B-3	3/13/1990	5.0	2-Methylphenol (o-cresol)	0.32 U	4000	B, NC	No	<1	0.091	V	RLE	3.5	GTI 5/1990
B-3	3/13/1990	5.0	Hexachlorobenzene	0.32 U	0.63	B, Carc	No	<1	0.046	V	RLE	7.0	GTI 5/1990
B-3	3/13/1990	5.0	Hexachlorobutadiene	0.32 U	13	B, Carc	No	<1	0.15	V	RLE	2.1	GTI 5/1990
B-3	3/13/1990	5.0	N-nitrosodiphenylamine	0.32 U	200	B, Carc	No	<1	0.23	V	RLE	1.4	GTI 5/1990
B-3	3/13/1990	5.0	Pentachlorophenol	1.6 U	8.3	B, Carc	No	<1	0.73	V	RLE	2.2	GTI 5/1990
B-3	3/13/1990	5.0	Total Petroleum Hydrocarbons	5.7	2000	A	No	<1	NA	NA	NA	NA	GTI 5/1990
B-3	3/13/1990	5.0	Benzene	0.094 U	0.03	A	RLE	3.1	NA	NA	NA	NA	GTI 5/1990
B-3	3/13/1990	5.0	Benzidine	3.2 U	0.0043	B, Carc	RLE	744	NA	NA	NA	NA	GTI 5/1990
B-3	3/13/1990	5.0	Methylene Chloride	0.47 U	0.02	A	RLE	24	NA	NA	NA	NA	GTI 5/1990
B-3	3/13/1990	5.0	N-nitrosodimethylamine	0.32 U	0.02	B, Carc	RLE	16	NA	NA	NA	NA	GTI 5/1990
B-3	3/13/1990	5.0	N-nitroso-di-n-propylamine	0.32 U	0.14	B, Carc	RLE	2.3	NA	NA	NA	NA	GTI 5/1990
B-3	3/13/1990	5.0	Tetrachloroethene	0.094 U	0.05	A	RLE	1.9	NA	NA	NA	NA	GTI 5/1990
B-3	3/13/1990	5.0	Trichloroethene	0.094 U	0.03	A	RLE	3.1	NA	NA	NA	NA	GTI 5/1990
B-3	3/13/1990	5.0	Benzo(a)pyrene	0.77	0.137	B, Carc	Yes	5.6	4.2	V	No	<1	GTI 5/1990
B-3	3/13/1990	5.0	PAHs, total carcinogenic	0.77	0.14	B, Carc	Yes	5.5	NA	NA	NA	NA	GTI 5/1990
<b>Soil and Catch Basin Study (2008)</b>													
NBF-SD20-0-2	11/17/2008	0.0	Aroclor 1260	0.062	NA	NA	NA	NA	1.3	V	No	<1	Landau 12/19/08
NBF-SD20-0-2	11/17/2008	0.0	PCB, total	0.062	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 12/19/08
NBF-SD21-0-2	11/17/2008	0.0	Aroclor 1260	0.037	NA	NA	NA	NA	1.3	V	No	<1	Landau 12/19/08
NBF-SD21-0-2	11/17/2008	0.0	PCB, total	0.037	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 12/19/08
NBF-SD21-2-4	11/17/2008	2.0	Aroclor 1260	0.057	NA	NA	NA	NA	1.3	V	No	<1	Landau 12/19/08
NBF-SD21-2-4	11/17/2008	2.0	PCB, total	0.057	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 12/19/08
NBF-SD22-0-2	11/17/2008	0.0	Aroclor 1260	0.048	NA	NA	NA	NA	1.3	V	No	<1	Landau 12/19/08
NBF-SD22-0-2	11/17/2008	0.0	PCB, total	0.048	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 12/19/08

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet) bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to- Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to- Sediment Screening Level Exceedence	Soil-to- Sediment Screening Level Exceedence Factor	Source
NBF-SD24-0-2	11/17/2008	0.0	Aroclor 1260	0.077	NA	NA	NA	NA	1.3	V	No	<1	Landau 12/19/08
NBF-SD24-0-2	11/17/2008	0.0	PCB, total	0.077	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 12/19/08
NBF-SD26-2-4	11/17/2008	2.0	Aroclor 1248	0.170	NA	NA	NA	NA	1.3	V	No	<1	Landau 12/19/08
NBF-SD26-2-4	11/17/2008	2.0	Aroclor 1260	0.190	NA	NA	NA	NA	1.3	V	No	<1	Landau 12/19/08
NBF-SD26-2-4	11/17/2008	2.0	Aroclor 1254	0.240	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 12/19/08
NBF-SD26-2-4	11/17/2008	2.0	PCB, total	0.600	0.5	B, Carc	Yes	1.2	1.3	V	No	<1	Landau 12/19/08
NBF-SD27-0-2	11/18/2008	0.0	Aroclor 1260	0.260	NA	NA	NA	NA	1.3	V	No	<1	Landau 12/19/08
NBF-SD27-0-2	11/18/2008	0.0	PCB, total	0.260	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 12/19/08
NBF-SD28-0-2	11/18/2008	0.0	Aroclor 1260	0.230	NA	NA	NA	NA	1.3	V	No	<1	Landau 12/19/08
NBF-SD28-0-2	11/18/2008	0.0	PCB, total	0.230	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 12/19/08
NBF-SD29-0-2-Dup	11/18/2008	0.0	Aroclor 1260	0.042	NA	NA	NA	NA	1.3	V	No	<1	Landau 12/19/08
NBF-SD29-0-2-Dup	11/18/2008	0.0	PCB, total	0.042	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 12/19/08
NBF-SD29-2-4	11/18/2008	2.0	Aroclor 1260	0.044	NA	NA	NA	NA	1.3	V	No	<1	Landau 12/19/08
NBF-SD29-2-4	11/18/2008	2.0	PCB, total	0.044	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 12/19/08
<b>Building 3-390</b>													
Bottom-1	9/15/1989	5.0	Total Petroleum Hydrocarbons	290	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
E-Side	9/15/1989	4.0	Total Petroleum Hydrocarbons	100	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
N-Side-1	9/15/1989	4.5	Total Petroleum Hydrocarbons	220	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
S-Side-1	9/15/1989	4.5	Total Petroleum Hydrocarbons	380	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
W-Side-1	9/15/1989	4.0	Total Petroleum Hydrocarbons	230	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
Bottom-2	9/20/1989	6.0	Total Petroleum Hydrocarbons	44	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
N-Side-2	9/20/1989	3.0	Total Petroleum Hydrocarbons	140	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
<b>Building 3-800</b>													
A/B Bottom	1989		Total Petroleum Hydrocarbons	560	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 1/10/90
AE-N-A4	1989		Total Petroleum Hydrocarbons	7000	2000	A	Yes	3.5	NA	NA	NA	NA	Hart Crowser 11/17/89
AE-N-B4	1989		Total Petroleum Hydrocarbons	5900	2000	A	Yes	3.0	NA	NA	NA	NA	Hart Crowser 11/17/89
AE-N-C4	1989		Total Petroleum Hydrocarbons	36	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89
A-N-B1	1989		Total Petroleum Hydrocarbons	880	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89
A-N-B2	1989		Total Petroleum Hydrocarbons	6800	2000	A	Yes	3.4	NA	NA	NA	NA	Hart Crowser 11/17/89
A-NE-C1	1989		Total Petroleum Hydrocarbons	4700	2000	A	Yes	2.4	NA	NA	NA	NA	Hart Crowser 11/17/89
A-S-A1	1989		Total Petroleum Hydrocarbons	870	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89
A-S-A2	1989		Total Petroleum Hydrocarbons	770	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89
A-S-A3	1989		Total Petroleum Hydrocarbons	3800	2000	A	Yes	1.9	NA	NA	NA	NA	Hart Crowser 11/17/89
A-S-B1	1989		Total Petroleum Hydrocarbons	23	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89
B-5-A1	1989		Total Petroleum Hydrocarbons	10000	2000	A	Yes	5.0	NA	NA	NA	NA	Hart Crowser 11/17/89
B-E-A1	1989		Total Petroleum Hydrocarbons	7400	2000	A	Yes	3.7	NA	NA	NA	NA	Hart Crowser 11/17/89
B-N-A1	1989		Total Petroleum Hydrocarbons	500	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89
B-N-A2	1989		Total Petroleum Hydrocarbons	960	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89
B-N-B2	1989		Total Petroleum Hydrocarbons	15	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89
C-E-A1	1989		Total Petroleum Hydrocarbons	17000	2000	A	Yes	8.5	NA	NA	NA	NA	Hart Crowser 11/17/89
C-E-A2	1989		Total Petroleum Hydrocarbons	22000	2000	A	Yes	11	NA	NA	NA	NA	Hart Crowser 11/17/89
C-E-A3	1989		Total Petroleum Hydrocarbons	15	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89
C-N-A1	1989		Total Petroleum Hydrocarbons	41	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89
C-NE-A2	1989		Total Petroleum Hydrocarbons	35	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89
C-NE-B3	1989		Total Petroleum Hydrocarbons	16000	2000	A	Yes	8.0	NA	NA	NA	NA	Hart Crowser 11/17/89
Composite(A-1,-2,-3,-4-0,2,B-1,-2,-3,-C-S-A1	1989		Total Petroleum Hydrocarbons	140	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 1/10/90
C-S-A1	1989		Total Petroleum Hydrocarbons	200	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
C-SE-B3	1989		Total Petroleum Hydrocarbons	5200	2000	A	Yes	2.6	NA	NA	NA	NA	Hart Crowser 11/17/89
C-W-A1	1989		Total Petroleum Hydrocarbons	13000	2000	A	Yes	6.5	NA	NA	NA	NA	Hart Crowser 11/17/89
P-E-B1	1989		Total Petroleum Hydrocarbons	37	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 1/10/90
P-E-C1	1989		Total Petroleum Hydrocarbons	170	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 1/10/90
P-E-D1	1989		Total Petroleum Hydrocarbons	12	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 1/10/90
P-W-D1	1989		Total Petroleum Hydrocarbons	110	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 1/10/90
P-W-E1	1989		Total Petroleum Hydrocarbons	12000	2000	A	Yes	6.0	NA	NA	NA	NA	Hart Crowser 1/10/90
P-W-F1	1989		Total Petroleum Hydrocarbons	65	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 1/10/90
P-W-G1	1989		Total Petroleum Hydrocarbons	100	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 1/10/90
Tank 2 Bottom	1989		Total Petroleum Hydrocarbons	28	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 1/10/90
Tank 2 North	1989		Total Petroleum Hydrocarbons	8900	2000	A	Yes	4.5	NA	NA	NA	NA	Hart Crowser 1/10/90
Tank 2 South	1989		Total Petroleum Hydrocarbons	23	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 1/10/90
Tank 2 West	1989		Total Petroleum Hydrocarbons	79	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 1/10/90
TP1-6	1989	6	Total Petroleum Hydrocarbons	14	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89
TP17-6	1989	6	Total Petroleum Hydrocarbons	120	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89
TP20-6	1989	6	Total Petroleum Hydrocarbons	28	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89
TP2-3	1989	3	Total Petroleum Hydrocarbons	46	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89
TP28-6	1989	6	Total Petroleum Hydrocarbons	23	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89
TP31-6	1989	6	Total Petroleum Hydrocarbons	74	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89
TP3-6	1989	6	Total Petroleum Hydrocarbons	1400	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89
TP40-6	1989	3	Total Petroleum Hydrocarbons	38	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 11/17/89
UBF-MVB-1	1989		Total Petroleum Hydrocarbons	340	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 1/10/90
UBF-MVE-1	1989		Total Petroleum Hydrocarbons	5300	2000	A	Yes	2.7	NA	NA	NA	NA	Hart Crowser 1/10/90
UBF-MVN-1	1989		Total Petroleum Hydrocarbons	750	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 1/10/90
UBF-MVN-1	1989		Total Petroleum Hydrocarbons	4100	2000	A	Yes	2.1	NA	NA	NA	NA	Hart Crowser 1/10/90
UBF-MVNS-1	1989		Total Petroleum Hydrocarbons	9200	2000	A	Yes	4.6	NA	NA	NA	NA	Hart Crowser 1/10/90
UBF-MVP-1	1989		Total Petroleum Hydrocarbons	730	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 1/10/90
UBF-MVW-1	1989		Total Petroleum Hydrocarbons	210	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 1/10/90
B-1	2/7/1990	10.0	MEK (2-Butanone)	0.0073 J	48000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
B-1	2/7/1990	10.0	Toluene	0.0006 M	7	A	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
B-1	2/7/1990	10	1,4-Dichlorobenzene	0.085 U	42	B, Carc	No	<1	0.015	S	RLE	5.7	Hart Crowser 2/15/91
B-1	2/7/1990	10	2-Methyl naphthalene	0.085 U	320	B, NC	No	<1	0.073	S	RLE	1.2	Hart Crowser 2/15/91
B-1	2/7/1990	10	Acenaphthene	0.085 U	4800	B, NC	No	<1	0.060	S	RLE	1.4	Hart Crowser 2/15/91
B-1	2/7/1990	10	bis(2-Ethylhexyl)phthalate	0.085 U	71	B, Carc	No	<1	0.078	S	RLE	1.1	Hart Crowser 2/15/91
B-1	2/7/1990	10	Dibenzofuran	0.085 U	160	B, NC	No	<1	0.059	S	RLE	1.4	Hart Crowser 2/15/91
B-1	2/7/1990	10.0	Acetone	0.043	8000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
B-2	2/7/1990	10.0	Nickel	11	NA	NA	NA	NA	NA	NA	NA	NA	Hart Crowser 2/15/91
B-2	2/7/1990	10.0	Zinc	27.4 B	24000	B, NC	No	<1	38	S	No	<1	Hart Crowser 2/15/91
B-2	2/7/1990	10.0	MEK (2-Butanone)	0.0062 J	48000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
B-2	2/7/1990	10	1,4-Dichlorobenzene	0.079 U	42	B, Carc	No	<1	0.015	S	RLE	5.3	Hart Crowser 2/15/91
B-2	2/7/1990	10	2-Methyl naphthalene	0.079 U	320	B, NC	No	<1	0.073	S	RLE	1.1	Hart Crowser 2/15/91
B-2	2/7/1990	10	Acenaphthene	0.079 U	4800	B, NC	No	<1	0.060	S	RLE	1.3	Hart Crowser 2/15/91
B-2	2/7/1990	10	Dibenzofuran	0.079 U	160	B, NC	No	<1	0.059	S	RLE	1.3	Hart Crowser 2/15/91
B-2	2/7/1990	10.0	Mercury	0.05 U	2	A	No	<1	0.030	S	RLE	1.7	Hart Crowser 2/15/91
B-2	2/7/1990	10.0	Chromium	14.6	19	A, Chromium VI	No	<1	270	S	No	<1	Hart Crowser 2/15/91
B-2	2/7/1990	10.0	Copper	22.3	3000	B, NC	No	<1	39	S	No	<1	Hart Crowser 2/15/91
B-2	2/7/1990	10.0	1,2-Dichloroethene	0.13	720	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
B-2	2/7/1990	10.0	Acetone	0.03	8000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
B-2	2/7/1990	10.0	Beryllium	0.3	160	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
B-2	2/7/1990	10.0	Tetrachloroethene	0.0082	0.05	A	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
B-2	2/7/1990	10.0	Trichloroethene	0.03	0.03	A	No	1.0	NA	NA	NA	NA	Hart Crowser 2/15/91
B-2	2/7/1990	10.0	Vinyl Chloride	0.016	0.67	B, Carc	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
B-2	2/7/1990	10.0	Arsenic	7	0.67	B, Carc	Yes	10	590	S	No	<1	Hart Crowser 2/15/91
B-3	2/7/1990	10.0	MEK (2-Butanone)	0.0095 J	48000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
B-3	2/7/1990	10.0	Vinyl Chloride	0.0018 J	0.67	B, Carc	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
B-3	2/7/1990	10.0	Trichloroethene	0.0006 M	0.03	A	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
B-3	2/7/1990	10	1,4-Dichlorobenzene	0.077 U	42	B, Carc	No	<1	0.015	S	RLE	5.1	Hart Crowser 2/15/91
B-3	2/7/1990	10	2-Methyl naphthalene	0.077 U	320	B, NC	No	<1	0.073	S	RLE	1.1	Hart Crowser 2/15/91
B-3	2/7/1990	10	Acenaphthene	0.077 U	4800	B, NC	No	<1	0.060	S	RLE	1.3	Hart Crowser 2/15/91
B-3	2/7/1990	10	Dibenzofuran	0.077 U	160	B, NC	No	<1	0.059	S	RLE	1.3	Hart Crowser 2/15/91
B-3	2/7/1990	10.0	1,2-Dichloroethene	0.0019	720	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
B-3	2/7/1990	10.0	Acetone	0.044	8000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
B-3	2/7/1990	10.0	Tetrachloroethene	0.0042	0.05	A	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
B-4	2/7/1990	10	1,4-Dichlorobenzene	0.079 U	42	B, Carc	No	<1	0.015	S	RLE	5.3	Hart Crowser 2/15/91
B-4	2/7/1990	10	2-Methyl naphthalene	0.079 U	320	B, NC	No	<1	0.073	S	RLE	1.1	Hart Crowser 2/15/91
B-4	2/7/1990	10	Acenaphthene	0.079 U	4800	B, NC	No	<1	0.060	S	RLE	1.3	Hart Crowser 2/15/91
B-4	2/7/1990	10	Dibenzofuran	0.079 U	160	B, NC	No	<1	0.059	S	RLE	1.3	Hart Crowser 2/15/91
B-4	2/7/1990	10.0	Acetone	0.02	8000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
B-5	2/7/1990	10	Indeno(1,2,3-cd)pyrene	0.072 J	NA	NA	NA	NA	0.088	S	No	<1	Hart Crowser 2/15/91
B-5	2/7/1990	10	Benzo(a)anthracene	0.092	NA	NA	NA	NA	0.27	S	No	<1	Hart Crowser 2/15/91
B-5	2/7/1990	10	Benzo(b,k)fluoranthene	0.25	NA	NA	NA	NA	0.45	S	No	<1	Hart Crowser 2/15/91
B-5	2/7/1990	10	Chrysene	0.11	NA	NA	NA	NA	0.46	S	No	<1	Hart Crowser 2/15/91
B-5	2/7/1990	10	Phenanthrene	0.13	NA	NA	NA	NA	0.49	S	No	<1	Hart Crowser 2/15/91
B-5	2/7/1990	10	bis(2-Ethylhexyl)phthalate	0.048 M	71	B, Carc	No	<1	0.078	S	No	<1	Hart Crowser 2/15/91
B-5	2/7/1990	10.0	Chlorobenzene	0.001 M	1600	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
B-5	2/7/1990	10	1,4-Dichlorobenzene	0.083 U	42	B, Carc	No	<1	0.015	S	RLE	5.5	Hart Crowser 2/15/91
B-5	2/7/1990	10	2-Methyl naphthalene	0.083 U	320	B, NC	No	<1	0.073	S	RLE	1.1	Hart Crowser 2/15/91
B-5	2/7/1990	10	Acenaphthene	0.083 U	4800	B, NC	No	<1	0.060	S	RLE	1.4	Hart Crowser 2/15/91
B-5	2/7/1990	10	Dibenzofuran	0.083 U	160	B, NC	No	<1	0.059	S	RLE	1.4	Hart Crowser 2/15/91
B-5	2/7/1990	10	Benzo(a)pyrene	0.099	0.137	B, Carc	No	<1	0.21	S	No	<1	Hart Crowser 2/15/91
B-5	2/7/1990	10	Fluoranthene	0.21	3200	B, NC	No	<1	1.2	S	No	<1	Hart Crowser 2/15/91
B-5	2/7/1990	10	Pyrene	0.13	2400	B, NC	No	<1	1.4	S	No	<1	Hart Crowser 2/15/91
B-5	2/7/1990	10	PAHs, total carcinogenic	0.1415	0.14	B, Carc	No	1.0	NA	NA	NA	NA	Hart Crowser 2/15/91
B-5	2/7/1990	10.0	Tetrachloroethene	0.074	0.05	A	Yes	1.5	NA	NA	NA	NA	Hart Crowser 2/15/91
B-6	2/7/1990	10	1,4-Dichlorobenzene	0.083 U	42	B, Carc	No	<1	0.015	S	RLE	5.5	Hart Crowser 2/15/91
B-6	2/7/1990	10	2-Methyl naphthalene	0.083 U	320	B, NC	No	<1	0.073	S	RLE	1.1	Hart Crowser 2/15/91
B-6	2/7/1990	10	Acenaphthene	0.083 U	4800	B, NC	No	<1	0.060	S	RLE	1.4	Hart Crowser 2/15/91
B-6	2/7/1990	10	bis(2-Ethylhexyl)phthalate	0.083 U	71	B, Carc	No	<1	0.078	S	RLE	1.1	Hart Crowser 2/15/91
B-6	2/7/1990	10	Dibenzofuran	0.083 U	160	B, NC	No	<1	0.059	S	RLE	1.4	Hart Crowser 2/15/91
B-6	2/7/1990	10.0	Methylene Chloride	0.048 U	0.02	A	RLE	2.4	NA	NA	NA	NA	Hart Crowser 2/15/91
B-6	2/7/1990	10.0	Tetrachloroethene	0.35	0.05	A	Yes	7.0	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/15/1990	12	Indeno(1,2,3-cd)pyrene	0.17 U	NA	NA	NA	NA	0.088	S	RLE	1.9	Hart Crowser 2/15/91
MW-1	2/15/1990	7.5	Indeno(1,2,3-cd)pyrene	0.26 U	NA	NA	NA	NA	0.088	S	RLE	3.0	Hart Crowser 2/15/91
MW-1	2/15/1990	12	1,4-Dichlorobenzene	0.17 U	42	B, Carc	No	<1	0.015	S	RLE	11	Hart Crowser 2/15/91
MW-1	2/15/1990	7.5	1,4-Dichlorobenzene	0.26 U	42	B, Carc	No	<1	0.015	S	RLE	17	Hart Crowser 2/15/91
MW-1	2/15/1990	12	2-Methyl naphthalene	0.17 U	320	B, NC	No	<1	0.073	S	RLE	2.3	Hart Crowser 2/15/91

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet) bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to- Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to- Sediment Screening Level Exceedence	Soil-to- Sediment Screening Level Exceedence Factor	Source
MW-1	2/15/1990	7.5	2-Methyl naphthalene	0.26 U	320	B, NC	No	<1	0.073	S	RLE	3.6	Hart Crowser 2/15/91
MW-1	2/15/1990	12	Acenaphthene	0.17 U	4800	B, NC	No	<1	0.060	S	RLE	2.8	Hart Crowser 2/15/91
MW-1	2/15/1990	7.5	Acenaphthene	0.26 U	4800	B, NC	No	<1	0.060	S	RLE	4.3	Hart Crowser 2/15/91
MW-1	2/15/1990	12	bis(2-Ethylhexyl)phthalate	0.17 U	71	B, Carc	No	<1	0.078	S	RLE	2.2	Hart Crowser 2/15/91
MW-1	2/15/1990	7.5	bis(2-Ethylhexyl)phthalate	0.26 U	71	B, Carc	No	<1	0.078	S	RLE	3.3	Hart Crowser 2/15/91
MW-1	2/15/1990	12	Dibenzofuran	0.17 U	160	B, NC	No	<1	0.059	S	RLE	2.9	Hart Crowser 2/15/91
MW-1	2/15/1990	7.5	Dibenzofuran	0.26 U	160	B, NC	No	<1	0.059	S	RLE	4.4	Hart Crowser 2/15/91
MW-1	2/15/1990	12	Fluorene	0.17 U	3200	B, NC	No	<1	0.081	S	RLE	2.1	Hart Crowser 2/15/91
MW-1	2/15/1990	7.5	Fluorene	0.26 U	3200	B, NC	No	<1	0.081	S	RLE	3.2	Hart Crowser 2/15/91
MW-1	2/15/1990	7.5	Naphthalene	0.26 U	5	A	No	<1	0.20	S	RLE	1.3	Hart Crowser 2/15/91
MW-1	2/15/1990	7.5	Benzo(a)pyrene	0.26 U	0.137	B, Carc	RLE	1.9	0.21	S	RLE	1.2	Hart Crowser 2/15/91
MW-1	2/15/1990	12	Benzo(a)pyrene	0.17 U	0.137	B, Carc	RLE	1.2	0.21	S	No	<1	Hart Crowser 2/15/91
MW-1	2/15/1990	12	Methylene Chloride	0.25 U	0.02	A	RLE	13	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/15/1990	7.5	Methylene Chloride	0.38 U	0.02	A	RLE	19	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/15/1990	7.5	Tetrachloroethene	0.077 U	0.05	A	RLE	1.5	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/15/1990	12	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/15/1990	7.5	Trichloroethene	0.077 U	0.03	A	RLE	2.6	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/15/1990	12.5	Indeno(1,2,3-cd)pyrene	0.17 U	NA	NA	NA	NA	0.088	S	RLE	1.9	Hart Crowser 2/15/91
MW-2	2/15/1990	8.5	Indeno(1,2,3-cd)pyrene	0.26 U	NA	NA	NA	NA	0.088	S	RLE	3.0	Hart Crowser 2/15/91
MW-2	2/15/1990	12.5	1,4-Dichlorobenzene	0.17 U	42	B, Carc	No	<1	0.015	S	RLE	11	Hart Crowser 2/15/91
MW-2	2/15/1990	8.5	1,4-Dichlorobenzene	0.26 U	42	B, Carc	No	<1	0.015	S	RLE	17	Hart Crowser 2/15/91
MW-2	2/15/1990	12.5	2-Methyl naphthalene	0.17 U	320	B, NC	No	<1	0.073	S	RLE	2.3	Hart Crowser 2/15/91
MW-2	2/15/1990	8.5	2-Methyl naphthalene	0.26 U	320	B, NC	No	<1	0.073	S	RLE	3.6	Hart Crowser 2/15/91
MW-2	2/15/1990	12.5	Acenaphthene	0.17 U	4800	B, NC	No	<1	0.060	S	RLE	2.8	Hart Crowser 2/15/91
MW-2	2/15/1990	8.5	Acenaphthene	0.26 U	4800	B, NC	No	<1	0.060	S	RLE	4.3	Hart Crowser 2/15/91
MW-2	2/15/1990	12.5	bis(2-Ethylhexyl)phthalate	0.17 U	71	B, Carc	No	<1	0.078	S	RLE	2.2	Hart Crowser 2/15/91
MW-2	2/15/1990	8.5	bis(2-Ethylhexyl)phthalate	0.26 U	71	B, Carc	No	<1	0.078	S	RLE	3.3	Hart Crowser 2/15/91
MW-2	2/15/1990	12.5	Dibenzofuran	0.17 U	160	B, NC	No	<1	0.059	S	RLE	2.9	Hart Crowser 2/15/91
MW-2	2/15/1990	8.5	Dibenzofuran	0.26 U	160	B, NC	No	<1	0.059	S	RLE	4.4	Hart Crowser 2/15/91
MW-2	2/15/1990	12.5	Fluorene	0.17 U	3200	B, NC	No	<1	0.081	S	RLE	2.1	Hart Crowser 2/15/91
MW-2	2/15/1990	8.5	Fluorene	0.26 U	3200	B, NC	No	<1	0.081	S	RLE	3.2	Hart Crowser 2/15/91
MW-2	2/15/1990	8.5	Naphthalene	0.26 U	5	A	No	<1	0.20	S	RLE	1.3	Hart Crowser 2/15/91
MW-2	2/15/1990	12.5	Benzo(a)pyrene	0.17 U	0.137	B, Carc	RLE	1.2	0.21	S	No	<1	Hart Crowser 2/15/91
MW-2	2/15/1990	12.5	Methylene Chloride	0.25 U	0.02	A	RLE	13	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/15/1990	8.5	Methylene Chloride	0.38 U	0.02	A	RLE	19	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/15/1990	8.5	Tetrachloroethene	0.077 U	0.05	A	RLE	1.5	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/15/1990	12.5	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/15/1990	8.5	Trichloroethene	0.077 U	0.03	A	RLE	2.6	NA	NA	NA	NA	Hart Crowser 2/15/91
<b>MW-2</b>	<b>2/15/1990</b>	<b>8.5</b>	<b>Benzo(a)pyrene</b>	<b>0.77</b>	<b>0.137</b>	<b>B, Carc</b>	<b>Yes</b>	<b>5.6</b>	<b>0.21</b>	<b>S</b>	<b>Yes</b>	<b>3.7</b>	<b>Hart Crowser 2/15/91</b>
MW-2	2/15/1990	8.5	PAHs, total carcinogenic	0.77	0.14	B, Carc	Yes	5.5	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/15/1990	8	Benzo(a)anthracene	1 U	NA	NA	NA	NA	0.27	S	RLE	3.7	Hart Crowser 2/15/91
MW-3	2/15/1990	8	Benzo(b,k)fluoranthene	1 U	NA	NA	NA	NA	0.45	S	RLE	2.2	Hart Crowser 2/15/91
MW-3	2/15/1990	8	Chrysene	1 U	NA	NA	NA	NA	0.46	S	RLE	2.2	Hart Crowser 2/15/91
MW-3	2/15/1990	13	Indeno(1,2,3-cd)pyrene	0.17 U	NA	NA	NA	NA	0.088	S	RLE	1.9	Hart Crowser 2/15/91
MW-3	2/15/1990	8	Indeno(1,2,3-cd)pyrene	1 U	NA	NA	NA	NA	0.088	S	RLE	11	Hart Crowser 2/15/91
MW-3	2/15/1990	8	Phenanthrene	1 U	NA	NA	NA	NA	0.49	S	RLE	2.0	Hart Crowser 2/15/91
MW-3	2/15/1990	13	1,4-Dichlorobenzene	0.17 U	42	B, Carc	No	<1	0.015	S	RLE	11	Hart Crowser 2/15/91
MW-3	2/15/1990	8	1,4-Dichlorobenzene	1 U	42	B, Carc	No	<1	0.015	S	RLE	67	Hart Crowser 2/15/91



**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet) bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
MW-3	2/15/1990	13	2-Methyl naphthalene	0.17 U	320	B, NC	No	<1	0.073	S	RLE	2.3	Hart Crowser 2/15/91
MW-3	2/15/1990	8	2-Methyl naphthalene	1 U	320	B, NC	No	<1	0.073	S	RLE	14	Hart Crowser 2/15/91
MW-3	2/15/1990	13	Acenaphthene	0.17 U	4800	B, NC	No	<1	0.060	S	RLE	2.8	Hart Crowser 2/15/91
MW-3	2/15/1990	8	Acenaphthene	1 U	4800	B, NC	No	<1	0.060	S	RLE	17	Hart Crowser 2/15/91
MW-3	2/15/1990	13	bis(2-Ethylhexyl)phthalate	0.17 U	71	B, Carc	No	<1	0.078	S	RLE	2.2	Hart Crowser 2/15/91
MW-3	2/15/1990	8	bis(2-Ethylhexyl)phthalate	1 U	71	B, Carc	No	<1	0.078	S	RLE	13	Hart Crowser 2/15/91
MW-3	2/15/1990	13	Dibenzofuran	0.17 U	160	B, NC	No	<1	0.059	S	RLE	2.9	Hart Crowser 2/15/91
MW-3	2/15/1990	8	Dibenzofuran	1 U	160	B, NC	No	<1	0.059	S	RLE	17	Hart Crowser 2/15/91
MW-3	2/15/1990	13	Fluorene	0.17 U	3200	B, NC	No	<1	0.081	S	RLE	2.1	Hart Crowser 2/15/91
MW-3	2/15/1990	8	Fluorene	1 U	3200	B, NC	No	<1	0.081	S	RLE	12	Hart Crowser 2/15/91
MW-3	2/15/1990	8	Naphthalene	1 U	5	A	No	<1	0.20	S	RLE	5.0	Hart Crowser 2/15/91
MW-3	2/15/1990	8	Benzo(a)pyrene	1 U	0.137	B, Carc	RLE	7.3	0.21	S	RLE	4.8	Hart Crowser 2/15/91
MW-3	2/15/1990	13	Benzo(a)pyrene	0.17 U	0.137	B, Carc	RLE	1.2	0.21	S	No	<1	Hart Crowser 2/15/91
MW-3	2/15/1990	13	Methylene Chloride	0.25 U	0.02	A	RLE	13	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/15/1990	8	Methylene Chloride	0.38 U	0.02	A	RLE	19	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/15/1990	8	Tetrachloroethene	0.076 U	0.05	A	RLE	1.5	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/15/1990	13	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/15/1990	8	Trichloroethene	0.076 U	0.03	A	RLE	2.5	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-5A	2/28/1990	27.5	Vinyl Chloride	0.0027 J	0.67	B, Carc	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-5A	2/28/1990	27.5	1,2-Dichloroethene	0.0082	720	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-5A	2/28/1990	27.5	Acetone	0.095	8000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-5A	2/28/1990	27.5	MEK (2-Butanone)	0.019	48000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-2A	3/1/1990	37.5	Chloroform	0.0006 J	160	B, Carc	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-2A	3/1/1990	37.5	MEK (2-Butanone)	0.0036 M	48000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-2A	3/1/1990	37.5	1,2-Dichloroethene	0.001	720	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-2A	3/1/1990	37.5	Acetone	0.02	8000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-3A	3/1/1990	40	Chloroform	0.0004 M	160	B, Carc	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-3A	3/1/1990	40	MEK (2-Butanone)	0.0045 M	48000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-3A	3/1/1990	40	Acetone	0.029	8000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-6	3/2/1990		Acetone	0.0097	8000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-6	3/2/1990		Chloroform	0.0014	160	B, Carc	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-6A	3/2/1990	42.5	Chloroform	0.0004 M	160	B, Carc	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-6A	3/2/1990	42.5	MEK (2-Butanone)	0.0027 M	48000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-6A	3/2/1990	42.5	1,2-Dichloroethene	0.0009	720	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
MW-6A	3/2/1990	42.5	Acetone	0.017	8000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
T-1	5/24/1990		Total Petroleum Hydrocarbons	513	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 10/12/90
T-2	5/24/1990		Total Petroleum Hydrocarbons	420	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 10/12/90
T-3	5/24/1990		Total Petroleum Hydrocarbons	592	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 10/12/90
T-4	5/24/1990		Total Petroleum Hydrocarbons	268	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 10/12/90
T-1	7/6/1990		Total Petroleum Hydrocarbons	56.4	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 10/12/90
T-2	7/6/1990		Total Petroleum Hydrocarbons	32.1	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 10/12/90
T-3	7/6/1990		Total Petroleum Hydrocarbons	61.7	2000	A	No	<1	NA	NA	NA	NA	Hart Crowser 10/12/90
HC-B	9/11/1990		1,4-Dichlorobenzene	0.0011	42	B, Carc	No	<1	0.015	S	No	<1	Hart Crowser 2/15/91
HC-B	9/11/1990		cis-1,2-Dichloroethene	0.028	800	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-B	9/11/1990		Tetrachloroethene	2.4	0.05	A	Yes	48	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-B	9/11/1990		Trichloroethene	1	0.03	A	Yes	33	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-B2	9/11/1990		1,2-Dichlorobenzene	0.005 U	7200	B, NC	No	<1	0.0038	S	RLE	1.3	Hart Crowser 2/15/91
HC-B2	9/11/1990		cis-1,2-Dichloroethene	0.0071	800	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91



**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
HC-B2	9/11/1990		Methylene Chloride	0.025 U	0.02	A	RLE	1.3	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-B2	9/11/1990		Tetrachloroethene	0.98	0.05	A	Yes	20	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-B2	9/11/1990		Trichloroethene	0.069	0.03	A	Yes	2.3	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-E	9/11/1990		Tetrachloroethene	0.072	0.05	A	Yes	1.4	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-E2	9/11/1990		Tetrachloroethene	0.017	0.05	A	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-E2	9/11/1990		Methylene Chloride	0.025 U	0.02	A	RLE	1.3	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-N	9/11/1990		cis-1,2-Dichloroethene	0.0042	800	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-N	9/11/1990		Trichloroethene	0.0072	0.03	A	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-N	9/11/1990		Tetrachloroethene	0.19	0.05	A	Yes	3.8	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-N2	9/11/1990		Trichloroethene	0.0081	0.03	A	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-N2	9/11/1990		Methylene Chloride	0.025 U	0.02	A	RLE	1.3	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-N2	9/11/1990		Tetrachloroethene	0.28	0.05	A	Yes	5.6	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-W	9/11/1990		cis-1,2-Dichloroethene	0.011	800	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-W	9/11/1990		Tetrachloroethene	0.24	0.05	A	Yes	4.8	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-W	9/11/1990		Trichloroethene	0.043	0.03	A	Yes	1.4	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-W2	9/11/1990		Trichloroethene	0.013	0.03	A	No	<1	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-W2	9/11/1990		Methylene Chloride	0.025 U	0.02	A	RLE	1.3	NA	NA	NA	NA	Hart Crowser 2/15/91
HC-W2	9/11/1990		Tetrachloroethene	0.11	0.05	A	Yes	2.2	NA	NA	NA	NA	Hart Crowser 2/15/91
MW101B-14.5	3/2/1992	14.5	Acetone	0.013 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW101B-14.5	3/2/1992	14.5	Methylene Chloride	0.0054 B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW101B-14.5	3/2/1992	14.5	cis-1,2-Dichloroethene	0.014 B	800	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW101B-14.5	3/2/1992	14.5	Vinyl Chloride	0.12	0.67	B, Carc	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW101B-27	3/2/1992	27	Acetone	0.0066 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW101B-27	3/2/1992	27	Methylene Chloride	0.0028 B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW101B-38.5	3/2/1992	38.5	Acetone	0.027 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW101B-38.5	3/2/1992	38.5	Methylene Chloride	0.0036 B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW101B-38.5	3/2/1992	38.5	MEK (2-Butanone)	0.0089	48000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Acenaphthylene	0.099 U	NA	NA	NA	NA	0.069	S	RLE	1.4	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Benzo(g,h,i)perylene	0.099 U	NA	NA	NA	NA	0.078	S	RLE	1.3	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Dibenz(a,h)anthracene	0.099 U	NA	NA	NA	NA	0.033	S	RLE	3.0	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Indeno(1,2,3-cd)pyrene	0.099 U	NA	NA	NA	NA	0.088	S	RLE	1.1	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Nickel	21	NA	NA	NA	NA	NA	NA	NA	NA	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Di-n-butylphthalate	0.11 B	8000	B, NC	No	<1	2.0	S	No	<1	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Acetone	0.033 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Methylene Chloride	0.0023 B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Benzoic Acid	0.14 J	320000	B, NC	No	<1	0.68	S	No	<1	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	bis(2-Ethylhexyl)phthalate	0.052 J	71	B, Carc	No	<1	0.078	S	No	<1	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Diethylphthalate	0.044 J	64000	B, NC	No	<1	0.36	S	No	<1	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Carbon Disulfide	0.0008 J	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	cis-1,2-Dichloroethene	0.001 J	800	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	1,2,4-Trichlorobenzene	0.099 U	800	B, NC	No	<1	0.0025	S	RLE	40	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	1,2-Dichlorobenzene	0.099 U	7200	B, NC	No	<1	0.0038	S	RLE	26	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	1,4-Dichlorobenzene	0.099 U	42	B, Carc	No	<1	0.015	S	RLE	6.6	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	2,4-Dimethylphenol	0.2 U	1600	B, NC	No	<1	0.0020	S	RLE	100	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	2-Methyl naphthalene	0.099 U	320	B, NC	No	<1	0.073	S	RLE	1.4	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	2-Methylphenol (o-cresol)	0.099 U	4000	B, NC	No	<1	0.0052	S	RLE	19	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	4-Methylphenol (p-cresol)	0.099 U	400	B, NC	No	<1	0.056	S	RLE	1.8	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Acenaphthene	0.099 U	4800	B, NC	No	<1	0.060	S	RLE	1.7	SECOR 12/14/92*

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet) bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to- Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to- Sediment Screening Level Exceedence	Soil-to- Sediment Screening Level Exceedence Factor	Source
MW101B-9.5	3/2/1992	9.5	Benzyl Alcohol	0.49 U	24000	B, NC	No	<1	0.070	S	RLE	7.0	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Butylbenzylphthalate	0.099 U	16000	B, NC	No	<1	0.066	S	RLE	1.5	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Dibenzofuran	0.099 U	160	B, NC	No	<1	0.059	S	RLE	1.7	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Dimethylphthalate	0.099 U	80000	B, NC	No	<1	0.094	S	RLE	1.1	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Fluorene	0.099 U	3200	B, NC	No	<1	0.081	S	RLE	1.2	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Hexachlorobenzene	0.099 U	0.63	B, Carc	No	<1	0.0023	S	RLE	43	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Hexachlorobutadiene	0.2 U	13	B, Carc	No	<1	0.0080	S	RLE	25	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	N-Nitrosodiphenylamine	0.099 U	200	B, Carc	No	<1	0.012	S	RLE	8.3	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Pentachlorophenol	0.49 U	8.3	B, Carc	No	<1	0.037	S	RLE	13	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Phenol	0.2 U	48000	B, NC	No	<1	0.12	S	RLE	1.7	SECOR 12/14/92*
<b>MW101B-9.5</b>	<b>3/2/1992</b>	<b>9.5</b>	<b>Mercury</b>	<b>0.1</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.030</b>	<b>S</b>	<b>Yes</b>	<b>3.3</b>	<b>SECOR 12/14/92*</b>
<b>MW101B-9.5</b>	<b>3/2/1992</b>	<b>9.5</b>	<b>Zinc</b>	<b>46.1</b>	<b>24000</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>38</b>	<b>S</b>	<b>Yes</b>	<b>1.2</b>	<b>SECOR 12/14/92*</b>
MW101B-9.5	3/2/1992	9.5	Copper	32.9	3000	B, NC	No	<1	39	S	No	<1	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Lead	5.9	1000	A	No	<1	67	S	No	<1	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Beryllium	0.5	160	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	MEK (2-Butanone)	0.0059	48000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Selenium	0.9	400	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Tetrachloroethene	0.0081	0.05	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Vinyl Chloride	0.0082	0.67	B, Carc	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Arsenic	3.02	0.67	B, Carc	Yes	4.5	590	S	No	<1	SECOR 12/14/92*
MW101B-9.5	3/2/1992	9.5	Chromium	27.1	19	A, Chromium VI	Yes	1.4	270	S	No	<1	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Benzo(a)anthracene	0.048 J	NA	NA	NA	NA	0.27	S	No	<1	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Chrysene	0.053 J	NA	NA	NA	NA	0.46	S	No	<1	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Acenaphthylene	0.077 U	NA	NA	NA	NA	0.069	S	RLE	1.1	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Dibenz(a,h)anthracene	0.077 U	NA	NA	NA	NA	0.033	S	RLE	2.3	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Nickel	14	NA	NA	NA	NA	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Acetone	0.07 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Pyrene	0.069 J	2400	B, NC	No	<1	1.4	S	No	<1	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Carbon Disulfide	0.0012 J	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-10	3/3/1992	10	PAHs, total carcinogenic	0.00533 J	0.14	B, Carc	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Toluene	0.0009 J	7	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Methylene Chloride	0.0024 J, B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-10	3/3/1992	10	1,2,4-Trichlorobenzene	0.077 U	800	B, NC	No	<1	0.0025	S	RLE	31	SECOR 12/14/92*
MW103B-10	3/3/1992	10	1,2-Dichlorobenzene	0.077 U	7200	B, NC	No	<1	0.0038	S	RLE	20	SECOR 12/14/92*
MW103B-10	3/3/1992	10	1,4-Dichlorobenzene	0.077 U	42	B, Carc	No	<1	0.015	S	RLE	5.1	SECOR 12/14/92*
MW103B-10	3/3/1992	10	2,4-Dimethylphenol	0.15 U	1600	B, NC	No	<1	0.0020	S	RLE	75	SECOR 12/14/92*
MW103B-10	3/3/1992	10	2-Methyl naphthalene	0.077 U	320	B, NC	No	<1	0.073	S	RLE	1.1	SECOR 12/14/92*
MW103B-10	3/3/1992	10	2-Methylphenol (o-cresol)	0.077 U	4000	B, NC	No	<1	0.0052	S	RLE	15	SECOR 12/14/92*
MW103B-10	3/3/1992	10	4-Methylphenol (p-cresol)	0.077 U	400	B, NC	No	<1	0.056	S	RLE	1.4	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Acenaphthene	0.077 U	4800	B, NC	No	<1	0.060	S	RLE	1.3	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Benzoic Acid	0.77 U	320000	B, NC	No	<1	0.68	S	RLE	1.1	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Benzyl Alcohol	0.39 U	24000	B, NC	No	<1	0.070	S	RLE	5.6	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Butylbenzylphthalate	0.077 U	16000	B, NC	No	<1	0.066	S	RLE	1.2	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Dibenzofuran	0.077 U	160	B, NC	No	<1	0.059	S	RLE	1.3	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Hexachlorobenzene	0.077 U	0.63	B, Carc	No	<1	0.0023	S	RLE	33	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Hexachlorobutadiene	0.15 U	13	B, Carc	No	<1	0.0080	S	RLE	19	SECOR 12/14/92*
MW103B-10	3/3/1992	10	N-Nitrosodiphenylamine	0.077 U	200	B, Carc	No	<1	0.012	S	RLE	6.4	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Pentachlorophenol	0.39 U	8.3	B, Carc	No	<1	0.037	S	RLE	11	SECOR 12/14/92*

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet) bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to- Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to- Sediment Screening Level Exceedence	Soil-to- Sediment Screening Level Exceedence Factor	Source
MW103B-10	3/3/1992	10	Phenol	0.15 U	48000	B, NC	No	<1	0.12	S	RLE	1.3	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Copper	95.6	3000	B, NC	No	<1	39	S	Yes	2.5	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Mercury	0.06	2	A	No	<1	0.030	S	Yes	2.0	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Zinc	86.4	24000	B, NC	No	<1	38	S	Yes	2.3	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Chromium	19.1	19	A, Chromium VI	No	1.0	270	S	No	<1	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Fluoranthene	0.093	3200	B, NC	No	<1	1.2	S	No	<1	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Lead	3.8	1000	A	No	<1	67	S	No	<1	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Beryllium	0.4	160	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-10	3/3/1992	10	cis-1,2-Dichloroethene	0.0038	800	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-10	3/3/1992	10	MEK (2-Butanone)	0.016	48000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Selenium	0.4	400	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-10	3/3/1992	10	Arsenic	3.6	0.67	B, Carc	Yes	5.4	590	S	No	<1	SECOR 12/14/92*
MW103B-25	3/3/1992	25	Acetone	0.0087 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-25	3/3/1992	25	MEK (2-Butanone)	0.0041 J	48000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-25	3/3/1992	25	Methylene Chloride	0.0016 J, B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-25	3/3/1992	25	Chloroform	0.0036	160	B, Carc	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-25	3/3/1992	25	Tetrachloroethene	0.0072	0.05	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-38.5	3/3/1992	38.5	MEK (2-Butanone)	0.0015 J	48000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-38.5	3/3/1992	38.5	Acetone	0.0041 J, B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-38.5	3/3/1992	38.5	Methylene Chloride	0.0022 J, B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-6	3/3/1992	6	Acetone	0.0043 J, B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-6	3/3/1992	6	Methylene Chloride	0.0015 J, B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-6	3/3/1992	6	Trichloroethene	0.0066	0.03	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW103B-6	3/3/1992	6	Tetrachloroethene	0.18	0.05	A	Yes	3.6	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-14	3/3/1992	14	Acetone	0.02 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-14	3/3/1992	14	Chloroform	0.0011 J	160	B, Carc	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-14	3/3/1992	14	Methylene Chloride	0.0021 J, B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-14	3/3/1992	14	Toluene	0.0006 M	7	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-14	3/3/1992	14	cis-1,2-Dichloroethene	0.0013	800	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-14	3/3/1992	14	MEK (2-Butanone)	0.0078	48000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-14	3/3/1992	14	Tetrachloroethene	0.048	0.05	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-14	3/3/1992	14	Trichloroethene	0.0028	0.03	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-7	3/3/1992	7	Acetone	0.14 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-7	3/3/1992	7	Methylene Chloride	0.0028 B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-7	3/3/1992	7	Carbon Disulfide	0.0009 M	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-7	3/3/1992	7	cis-1,2-Dichloroethene	0.037	800	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-7	3/3/1992	7	MEK (2-Butanone)	0.047	48000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-7	3/3/1992	7	Toluene	0.0015	7	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-7	3/3/1992	7	Vinyl Chloride	0.067	0.67	B, Carc	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Acenaphthylene	0.08 U	NA	NA	NA	NA	0.069	S	RLE	1.2	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Dibenz(a,h)anthracene	0.08 U	NA	NA	NA	NA	0.033	S	RLE	2.4	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Nickel	13	NA	NA	NA	NA	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Acetone	0.14 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Methylene Chloride	0.0031 B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Carbon Disulfide	0.0009 J	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	1,2,4-Trichlorobenzene	0.08 U	800	B, NC	No	<1	0.0025	S	RLE	32	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	1,2-Dichlorobenzene	0.08 U	7200	B, NC	No	<1	0.0038	S	RLE	21	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	1,4-Dichlorobenzene	0.08 U	42	B, Carc	No	<1	0.015	S	RLE	5.3	SECOR 12/14/92*

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
MW104A-9.5	3/3/1992	9.5	2,4-Dimethylphenol	0.16 U	1600	B, NC	No	<1	0.0020	S	RLE	80	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	2-Methyl naphthalene	0.08 U	320	B, NC	No	<1	0.073	S	RLE	1.1	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	2-Methylphenol (o-cresol)	0.08 U	4000	B, NC	No	<1	0.0052	S	RLE	15	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	4-Methylphenol (p-cresol)	0.08 U	400	B, NC	No	<1	0.056	S	RLE	1.4	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Acenaphthene	0.08 U	4800	B, NC	No	<1	0.060	S	RLE	1.3	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Benzoic Acid	0.8 U	320000	B, NC	No	<1	0.68	S	RLE	1.2	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Benzyl Alcohol	0.4 U	24000	B, NC	No	<1	0.070	S	RLE	5.7	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Butylbenzylphthalate	0.08 U	16000	B, NC	No	<1	0.066	S	RLE	1.2	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Dibenzofuran	0.08 U	160	B, NC	No	<1	0.059	S	RLE	1.4	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Hexachlorobenzene	0.08 U	0.63	B, Carc	No	<1	0.0023	S	RLE	35	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Hexachlorobutadiene	0.16 U	13	B, Carc	No	<1	0.0080	S	RLE	20	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	N-Nitrosodiphenylamine	0.08 U	200	B, Carc	No	<1	0.012	S	RLE	6.7	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Pentachlorophenol	0.4 U	8.3	B, Carc	No	<1	0.037	S	RLE	11	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Phenol	0.16 U	48000	B, NC	No	<1	0.12	S	RLE	1.3	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Copper	43.9	3000	B, NC	No	<1	39	S	Yes	1.1	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Mercury	0.14	2	A	No	<1	0.030	S	Yes	4.7	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Zinc	54.6	24000	B, NC	No	<1	38	S	Yes	1.4	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Lead	5.3	1000	A	No	<1	67	S	No	<1	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Beryllium	0.3	160	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	MEK (2-Butanone)	0.036	48000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Selenium	0.1	400	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Vinyl Chloride	0.01	0.67	B, Carc	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Arsenic	3	0.67	B, Carc	Yes	4.5	590	S	No	<1	SECOR 12/14/92*
MW104A-9.5	3/3/1992	9.5	Chromium	20.1	19	A, Chromium VI	Yes	1.1	270	S	No	<1	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Acenaphthylene	0.1 U	NA	NA	NA	NA	0.069	S	RLE	1.4	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Benzo(g,h,i)perylene	0.1 U	NA	NA	NA	NA	0.078	S	RLE	1.3	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Dibenz(a,h)anthracene	0.1 U	NA	NA	NA	NA	0.033	S	RLE	3.0	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Indeno(1,2,3-cd)pyrene	0.1 U	NA	NA	NA	NA	0.088	S	RLE	1.1	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Nickel	19	NA	NA	NA	NA	NA	NA	NA	NA	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Acetone	0.24 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Methylene Chloride	0.0023 J, B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW102B-10	3/4/1992	10	1,2,4-Trichlorobenzene	0.1 U	800	B, NC	No	<1	0.0025	S	RLE	40	SECOR 12/14/92*
MW102B-10	3/4/1992	10	1,2-Dichlorobenzene	0.1 U	7200	B, NC	No	<1	0.0038	S	RLE	26	SECOR 12/14/92*
MW102B-10	3/4/1992	10	1,4-Dichlorobenzene	0.1 U	42	B, Carc	No	<1	0.015	S	RLE	6.7	SECOR 12/14/92*
MW102B-10	3/4/1992	10	2,4-Dimethylphenol	0.2 U	1600	B, NC	No	<1	0.0020	S	RLE	100	SECOR 12/14/92*
MW102B-10	3/4/1992	10	2-Methyl naphthalene	0.1 U	320	B, NC	No	<1	0.073	S	RLE	1.4	SECOR 12/14/92*
MW102B-10	3/4/1992	10	2-Methylphenol (o-cresol)	0.1 U	4000	B, NC	No	<1	0.0052	S	RLE	19	SECOR 12/14/92*
MW102B-10	3/4/1992	10	4-Methylphenol (p-cresol)	0.1 U	400	B, NC	No	<1	0.056	S	RLE	1.8	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Acenaphthene	0.1 U	4800	B, NC	No	<1	0.060	S	RLE	1.7	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Benzoic Acid	1 U	320000	B, NC	No	<1	0.68	S	RLE	1.5	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Benzyl Alcohol	0.5 U	24000	B, NC	No	<1	0.070	S	RLE	7.1	SECOR 12/14/92*
MW102B-10	3/4/1992	10	bis(2-Ethylhexyl)phthalate	0.1 U	71	B, Carc	No	<1	0.078	S	RLE	1.3	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Butylbenzylphthalate	0.1 U	16000	B, NC	No	<1	0.066	S	RLE	1.5	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Dibenzofuran	0.1 U	160	B, NC	No	<1	0.059	S	RLE	1.7	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Dimethylphthalate	0.1 U	80000	B, NC	No	<1	0.094	S	RLE	1.1	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Fluorene	0.1 U	3200	B, NC	No	<1	0.081	S	RLE	1.2	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Hexachlorobenzene	0.1 U	0.63	B, Carc	No	<1	0.0023	S	RLE	43	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Hexachlorobutadiene	0.2 U	13	B, Carc	No	<1	0.0080	S	RLE	25	SECOR 12/14/92*

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
MW102B-10	3/4/1992	10	N-Nitrosodiphenylamine	0.1 U	200	B, Carc	No	<1	0.012	S	RLE	8.3	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Pentachlorophenol	0.5 U	8.3	B, Carc	No	<1	0.037	S	RLE	14	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Phenol	0.2 U	48000	B, NC	No	<1	0.12	S	RLE	1.7	SECOR 12/14/92*
<b>MW102B-10</b>	<b>3/4/1992</b>	<b>10</b>	<b>Copper</b>	<b>131</b>	<b>3000</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>39</b>	<b>S</b>	<b>Yes</b>	<b>3.4</b>	<b>SECOR 12/14/92*</b>
<b>MW102B-10</b>	<b>3/4/1992</b>	<b>10</b>	<b>Mercury</b>	<b>0.09</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.030</b>	<b>S</b>	<b>Yes</b>	<b>3.0</b>	<b>SECOR 12/14/92*</b>
<b>MW102B-10</b>	<b>3/4/1992</b>	<b>10</b>	<b>Zinc</b>	<b>98.5</b>	<b>24000</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>38</b>	<b>S</b>	<b>Yes</b>	<b>2.6</b>	<b>SECOR 12/14/92*</b>
MW102B-10	3/4/1992	10	Beryllium	0.5	160	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW102B-10	3/4/1992	10	MEK (2-Butanone)	0.076	48000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Toluene	0.0016	7	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Arsenic	10 U	0.67	B, Carc	RLE	15	590	S	No	<1	SECOR 12/14/92*
MW102B-10	3/4/1992	10	Chromium	25.9	19	A, Chromium VI	Yes	1.4	270	S	No	<1	SECOR 12/14/92*
MW102B-23	3/4/1992	23	Acetone	0.0075 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW102B-23	3/4/1992	23	Methylene Chloride	0.0014 J, B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW102B-38	3/4/1992	38	Acetone	0.0062 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW102B-38	3/4/1992	38	Methylene Chloride	0.0014 J, B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW102B-38	3/4/1992	38	Chloroform	0.0013	160	B, Carc	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW102B-6	3/4/1992	6	Acetone	0.006 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW102B-6	3/4/1992	6	Methylene Chloride	0.0015 J, B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW102B-6	3/4/1992	6	Tetrachloroethene	0.0093	0.05	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW105A-14.5	3/4/1992	14.5	Acetone	0.0069 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW105A-14.5	3/4/1992	14.5	Methylene Chloride	0.0063 B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW105A-6.5	3/4/1992	6.5	Acetone	0.14 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW105A-6.5	3/4/1992	6.5	Methylene Chloride	0.0035 B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW105A-6.5	3/4/1992	6.5	Toluene	0.0011 M	7	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW105A-6.5	3/4/1992	6.5	Carbon Disulfide	0.0025	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW105A-6.5	3/4/1992	6.5	MEK (2-Butanone)	0.043	48000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW105A-6.5	3/4/1992	6.5	Tetrachloroethene	0.0027	0.05	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Acenaphthylene	0.1 U	NA	NA	NA	NA	0.069	S	RLE	1.4	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Benzo(g,h,i)perylene	0.1 U	NA	NA	NA	NA	0.078	S	RLE	1.3	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Dibenz(a,h)anthracene	0.1 U	NA	NA	NA	NA	0.033	S	RLE	3.0	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Indeno(1,2,3-cd)pyrene	0.1 U	NA	NA	NA	NA	0.088	S	RLE	1.1	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Nickel	24	NA	NA	NA	NA	NA	NA	NA	NA	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Acetone	0.12 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Methylene Chloride	0.0029 B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Carbon Disulfide	0.0011 J	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Toluene	0.0007 M	7	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	1,2,4-Trichlorobenzene	0.1 U	800	B, NC	No	<1	0.0025	S	RLE	40	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	1,2-Dichlorobenzene	0.1 U	7200	B, NC	No	<1	0.0038	S	RLE	26	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	1,4-Dichlorobenzene	0.1 U	42	B, Carc	No	<1	0.015	S	RLE	6.7	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	2,4-Dimethylphenol	0.21 U	1600	B, NC	No	<1	0.0020	S	RLE	105	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	2-Methyl naphthalene	0.1 U	320	B, NC	No	<1	0.073	S	RLE	1.4	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	2-Methylphenol (o-cresol)	0.1 U	4000	B, NC	No	<1	0.0052	S	RLE	19	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	4-Methylphenol (p-cresol)	0.1 U	400	B, NC	No	<1	0.056	S	RLE	1.8	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Acenaphthene	0.1 U	4800	B, NC	No	<1	0.060	S	RLE	1.7	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Benzoic Acid	1 U	320000	B, NC	No	<1	0.68	S	RLE	1.5	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Benzyl Alcohol	0.52 U	24000	B, NC	No	<1	0.070	S	RLE	7.4	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	bis(2-Ethylhexyl)phthalate	0.1 U	71	B, Carc	No	<1	0.078	S	RLE	1.3	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Butylbenzylphthalate	0.1 U	16000	B, NC	No	<1	0.066	S	RLE	1.5	SECOR 12/14/92*

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
MW105A-9.5	3/4/1992	9.5	Dibenzofuran	0.1 U	160	B, NC	No	<1	0.059	S	RLE	1.7	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Dimethylphthalate	0.1 U	80000	B, NC	No	<1	0.094	S	RLE	1.1	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Fluorene	0.1 U	3200	B, NC	No	<1	0.081	S	RLE	1.2	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Hexachlorobenzene	0.1 U	0.63	B, Carc	No	<1	0.0023	S	RLE	43	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Hexachlorobutadiene	0.21 U	13	B, Carc	No	<1	0.0080	S	RLE	26	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	N-Nitrosodiphenylamine	0.1 U	200	B, Carc	No	<1	0.012	S	RLE	8.3	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Pentachlorophenol	0.52 U	8.3	B, Carc	No	<1	0.037	S	RLE	14	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Phenol	0.21 U	48000	B, NC	No	<1	0.12	S	RLE	1.8	SECOR 12/14/92*
<b>MW105A-9.5</b>	<b>3/4/1992</b>	<b>9.5</b>	<b>Copper</b>	<b>46.9</b>	<b>3000</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>39</b>	<b>S</b>	<b>Yes</b>	<b>1.2</b>	<b>SECOR 12/14/92*</b>
<b>MW105A-9.5</b>	<b>3/4/1992</b>	<b>9.5</b>	<b>Mercury</b>	<b>0.09</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.030</b>	<b>S</b>	<b>Yes</b>	<b>3.0</b>	<b>SECOR 12/14/92*</b>
<b>MW105A-9.5</b>	<b>3/4/1992</b>	<b>9.5</b>	<b>Zinc</b>	<b>54.7</b>	<b>24000</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>38</b>	<b>S</b>	<b>Yes</b>	<b>1.4</b>	<b>SECOR 12/14/92*</b>
MW105A-9.5	3/4/1992	9.5	Lead	8	1000	A	No	<1	67	S	No	<1	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Beryllium	0.7	160	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	MEK (2-Butanone)	0.035	48000	B, NC	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Arsenic	10	0.67	B, Carc	Yes	15	590	S	No	<1	SECOR 12/14/92*
MW105A-9.5	3/4/1992	9.5	Chromium	27.4	19	A, Chromium VI	Yes	1.4	270	S	No	<1	SECOR 12/14/92*
RMW103A-5.0-5.5	1/17/1994	5.0	Chromium	13.8	19	A, Chromium VI	No	<1	5400	V	No	<1	SECOR 9/1/94
RMW103A-5.0-5.5	1/17/1994	5.0	Acetone	0.058	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 9/1/94
RMW103A-5.0-5.5	1/17/1994	5.0	cis-1,2-Dichloroethene	0.12	800	B, NC	No	<1	NA	NA	NA	NA	SECOR 9/1/94
RMW103A-5.0-5.5	1/17/1994	5.0	MEK (2-Butanone)	0.015	48000	B, NC	No	<1	NA	NA	NA	NA	SECOR 9/1/94
RMW103A-5.0-5.5	1/17/1994	5.0	Tetrachloroethene	0.02	0.05	A	No	<1	NA	NA	NA	NA	SECOR 9/1/94
RMW103A-5.0-5.5	1/17/1994	5.0	Trichloroethene	0.008	0.03	A	No	<1	NA	NA	NA	NA	SECOR 9/1/94
RMW103A-5.0-5.5	1/17/1994	5.0	Vinyl Chloride	0.028	0.67	B, Carc	No	<1	NA	NA	NA	NA	SECOR 9/1/94
RMW103A-5.0-5.5	1/17/1994	5.0	Arsenic	6 U	0.67	B, Carc	RLE	9.0	12000	V	No	<1	SECOR 9/1/94
RMW104A-6.0-6.5	1/17/1994	6.0	Mercury	0.06 U	2	A	No	<1	0.030	S	RLE	2.0	SECOR 9/1/94
RMW104A-6.0-6.5	1/17/1994	6.0	Cadmium	0.4	2	A	No	<1	1.7	S	No	<1	SECOR 9/1/94
RMW104A-6.0-6.5	1/17/1994	6.0	Chromium	14.1	19	A, Chromium VI	No	<1	270	S	No	<1	SECOR 9/1/94
RMW104A-6.0-6.5	1/17/1994	6.0	Lead	4	1000	A	No	<1	67	S	No	<1	SECOR 9/1/94
RMW104A-6.0-6.5	1/17/1994	6.0	Acetone	0.34	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 9/1/94
RMW104A-6.0-6.5	1/17/1994	6.0	cis-1,2-Dichloroethene	0.32	800	B, NC	No	<1	NA	NA	NA	NA	SECOR 9/1/94
RMW104A-6.0-6.5	1/17/1994	6.0	MEK (2-Butanone)	0.07	48000	B, NC	No	<1	NA	NA	NA	NA	SECOR 9/1/94
RMW104A-6.0-6.5	1/17/1994	6.0	Vinyl Chloride	0.091	0.67	B, Carc	No	<1	NA	NA	NA	NA	SECOR 9/1/94
RMW104A-6.0-6.5	1/17/1994	6.0	Arsenic	6 U	0.67	B, Carc	RLE	9.0	590	S	No	<1	SECOR 9/1/94
RMW104A-6.0-6.5	1/17/1994	6.0	Tetrachloroethene	0.085	0.05	A	Yes	1.7	NA	NA	NA	NA	SECOR 9/1/94
RMW104A-6.0-6.5	1/17/1994	6.0	Trichloroethene	0.07	0.03	A	Yes	2.3	NA	NA	NA	NA	SECOR 9/1/94
RMW105A-4.5-5.0	1/17/1994	4.5	Chromium	13.9	19	A, Chromium VI	No	<1	5400	V	No	<1	SECOR 9/1/94
RMW105A-4.5-5.0	1/17/1994	4.5	Lead	3	1000	A	No	<1	1300	V	No	<1	SECOR 9/1/94
RMW105A-4.5-5.0	1/17/1994	4.5	Arsenic	6 U	0.67	B, Carc	RLE	9.0	12000	V	No	<1	SECOR 9/1/94
<b>Building 3-801</b>													
MW-1-5.5-6	7/5/1991	5.5	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 8/12/91
MW-1-5.5-6	7/5/1991	5.5	Total Petroleum Hydrocarbons	17000	2000	A	Yes	8.5	NA	NA	NA	NA	SEACOR 8/12/91
SB-10-5.5-6	7/5/1991	5.5	Total Petroleum Hydrocarbons	2.3	2000	A	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-11-2.5-3	7/5/1991	2.5	Nickel	11.0	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 8/12/91
SB-11-2.5-3	7/5/1991	2.5	Cadmium	1.7	2	A	No	<1	34	V	No	<1	SEACOR 8/12/91
SB-11-2.5-3	7/5/1991	2.5	Chromium	13.6	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 8/12/91
SB-11-2.5-3	7/5/1991	2.5	Copper	58.5	3000	B, NC	No	<1	780	V	No	<1	SEACOR 8/12/91
SB-11-2.5-3	7/5/1991	2.5	Lead	9.8	1000	A	No	<1	1300	V	No	<1	SEACOR 8/12/91
SB-11-2.5-3	7/5/1991	2.5	Zinc	74.1	24000	B, NC	No	<1	770	V	No	<1	SEACOR 8/12/91



**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
SB-11-2.5-3	7/5/1991	2.5	Arsenic	4.6	0.67	B, Carc	Yes	6.9	12000	V	No	<1	SEACOR 8/12/91
SB-11-5.5-6	7/5/1991	5.5	Total Petroleum Hydrocarbons	4	2000	A	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-11-5.5-6	7/5/1991	5.5	Tetrachloroethene	0.5 U	0.05	A	RLE	10	NA	NA	NA	NA	SEACOR 8/12/91
SB-11-5.5-6	7/5/1991	5.5	Trichloroethene	0.5 U	0.03	A	RLE	17	NA	NA	NA	NA	SEACOR 8/12/91
SB-12-2.5-3	7/5/1991	2.5	Nickel	13.0	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 8/12/91
SB-12-2.5-3	7/5/1991	2.5	Chromium	15.8	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 8/12/91
SB-12-2.5-3	7/5/1991	2.5	Copper	80.3	3000	B, NC	No	<1	780	V	No	<1	SEACOR 8/12/91
SB-12-2.5-3	7/5/1991	2.5	Lead	11.5	1000	A	No	<1	1300	V	No	<1	SEACOR 8/12/91
SB-12-2.5-3	7/5/1991	2.5	Zinc	119	24000	B, NC	No	<1	770	V	No	<1	SEACOR 8/12/91
SB-12-2.5-3	7/5/1991	2.5	Beryllium	0.5	160	B, NC	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-12-2.5-3	7/5/1991	2.5	Arsenic	4.9	0.67	B, Carc	Yes	7.3	12000	V	No	<1	SEACOR 8/12/91
SB-12-2.5-3	7/5/1991	2.5	Cadmium	2.1	2	A	Yes	1.1	34	V	No	<1	SEACOR 8/12/91
SB-12-5.5-6	7/5/1991	5.5	Total Petroleum Hydrocarbons	32	2000	A	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-1-3.5-4	7/5/1991	3.5	Nickel	5.3	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 8/12/91
SB-1-3.5-4	7/5/1991	3.5	Cadmium	1.1	2	A	No	<1	34	V	No	<1	SEACOR 8/12/91
SB-1-3.5-4	7/5/1991	3.5	Chromium	6.1	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 8/12/91
SB-1-3.5-4	7/5/1991	3.5	Copper	69.0	3000	B, NC	No	<1	780	V	No	<1	SEACOR 8/12/91
SB-1-3.5-4	7/5/1991	3.5	Lead	3.4	1000	A	No	<1	1300	V	No	<1	SEACOR 8/12/91
SB-1-3.5-4	7/5/1991	3.5	Zinc	95.1	24000	B, NC	No	<1	770	V	No	<1	SEACOR 8/12/91
SB-1-3.5-4	7/5/1991	3.5	Total Petroleum Hydrocarbons	9	2000	A	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-1-3.5-4	7/5/1991	3.5	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 8/12/91
SB-1-3.5-4	7/5/1991	3.5	Arsenic	1.3	0.67	B, Carc	Yes	1.9	12000	V	No	<1	SEACOR 8/12/91
SB-13-2.5-3	7/5/1991	2.5	Total Petroleum Hydrocarbons	16	2000	A	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-15-3.5-4	7/5/1991	3.5	Nickel	8.1	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 8/12/91
SB-15-3.5-4	7/5/1991	3.5	Cadmium	1.3	2	A	No	<1	34	V	No	<1	SEACOR 8/12/91
SB-15-3.5-4	7/5/1991	3.5	Chromium	9.0	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 8/12/91
SB-15-3.5-4	7/5/1991	3.5	Copper	18.5	3000	B, NC	No	<1	780	V	No	<1	SEACOR 8/12/91
SB-15-3.5-4	7/5/1991	3.5	Lead	4.9	1000	A	No	<1	1300	V	No	<1	SEACOR 8/12/91
SB-15-3.5-4	7/5/1991	3.5	Zinc	26.4	24000	B, NC	No	<1	770	V	No	<1	SEACOR 8/12/91
SB-15-3.5-4	7/5/1991	3.5	Beryllium	0.5	160	B, NC	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-15-3.5-4	7/5/1991	3.5	Total Petroleum Hydrocarbons	400	2000	A	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-15-3.5-4	7/5/1991	3.5	Xylenes, total	0.08	9	A	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-15-3.5-4	7/5/1991	3.5	Arsenic	1.6	0.67	B, Carc	Yes	2.4	12000	V	No	<1	SEACOR 8/12/91
SB-15-3.5-4	7/5/1991	3.5	Trichloroethene	0.4	0.03	A	Yes	13	NA	NA	NA	NA	SEACOR 8/12/91
SB-16-5.5-6	7/5/1991	5.5	Nickel	6.7	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 8/12/91
SB-16-5.5-6	7/5/1991	5.5	Cadmium	1.1	2	A	No	<1	34	V	No	<1	SEACOR 8/12/91
SB-16-5.5-6	7/5/1991	5.5	Chromium	7.8	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 8/12/91
SB-16-5.5-6	7/5/1991	5.5	Copper	10.0	3000	B, NC	No	<1	780	V	No	<1	SEACOR 8/12/91
SB-16-5.5-6	7/5/1991	5.5	Lead	1.9	1000	A	No	<1	1300	V	No	<1	SEACOR 8/12/91
SB-16-5.5-6	7/5/1991	5.5	Zinc	18.8	24000	B, NC	No	<1	770	V	No	<1	SEACOR 8/12/91
SB-16-5.5-6	7/5/1991	5.5	Total Petroleum Hydrocarbons	9	2000	A	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-16-5.5-6	7/5/1991	5.5	Arsenic	1.3	0.67	B, Carc	Yes	1.9	12000	V	No	<1	SEACOR 8/12/91
SB-17-5.5-6	7/5/1991	5.5	Nickel	6.7	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 8/12/91
SB-17-5.5-6	7/5/1991	5.5	Cadmium	1.2	2	A	No	<1	34	V	No	<1	SEACOR 8/12/91
SB-17-5.5-6	7/5/1991	5.5	Chromium	8.2	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 8/12/91
SB-17-5.5-6	7/5/1991	5.5	Copper	11.4	3000	B, NC	No	<1	780	V	No	<1	SEACOR 8/12/91
SB-17-5.5-6	7/5/1991	5.5	Lead	3.4	1000	A	No	<1	1300	V	No	<1	SEACOR 8/12/91
SB-17-5.5-6	7/5/1991	5.5	Zinc	23.1	24000	B, NC	No	<1	770	V	No	<1	SEACOR 8/12/91



**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
SB-17-5.5-6	7/5/1991	5.5	Total Petroleum Hydrocarbons	4	2000	A	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-17-5.5-6	7/5/1991	5.5	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 8/12/91
SB-17-5.5-6	7/5/1991	5.5	Arsenic	2.8	0.67	B, Carc	Yes	4.2	12000	V	No	<1	SEACOR 8/12/91
SB-18-6.5-7	7/5/1991	6.5	Total Petroleum Hydrocarbons	30	2000	A	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-19-5.5-6	7/5/1991	5.5	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 8/12/91
SB-20-3.5-4	7/5/1991	3.5	Nickel	5.1	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 8/12/91
SB-20-3.5-4	7/5/1991	3.5	Cadmium	0.9	2	A	No	<1	34	V	No	<1	SEACOR 8/12/91
SB-20-3.5-4	7/5/1991	3.5	Chromium	6.9	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 8/12/91
SB-20-3.5-4	7/5/1991	3.5	Copper	13.0	3000	B, NC	No	<1	780	V	No	<1	SEACOR 8/12/91
SB-20-3.5-4	7/5/1991	3.5	Lead	2.1	1000	A	No	<1	1300	V	No	<1	SEACOR 8/12/91
SB-20-3.5-4	7/5/1991	3.5	Zinc	24.2	24000	B, NC	No	<1	770	V	No	<1	SEACOR 8/12/91
SB-20-3.5-4	7/5/1991	3.5	Arsenic	1.0 U	0.67	B, Carc	RLE	1.5	12000	V	No	<1	SEACOR 8/12/91
SB-21-6.5-7	7/5/1991	6.5	Nickel	5.1	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 8/12/91
SB-21-6.5-7	7/5/1991	6.5	Cadmium	1.1	2	A	No	<1	34	V	No	<1	SEACOR 8/12/91
SB-21-6.5-7	7/5/1991	6.5	Chromium	6.1	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 8/12/91
SB-21-6.5-7	7/5/1991	6.5	Copper	26.2	3000	B, NC	No	<1	780	V	No	<1	SEACOR 8/12/91
SB-21-6.5-7	7/5/1991	6.5	Lead	1.7	1000	A	No	<1	1300	V	No	<1	SEACOR 8/12/91
SB-21-6.5-7	7/5/1991	6.5	Zinc	33.0	24000	B, NC	No	<1	770	V	No	<1	SEACOR 8/12/91
SB-21-6.5-7	7/5/1991	6.5	Total Petroleum Hydrocarbons	14	2000	A	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-21-6.5-7	7/5/1991	6.5	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 8/12/91
SB-21-6.5-7	7/5/1991	6.5	Arsenic	1.5	0.67	B, Carc	Yes	2.2	12000	V	No	<1	SEACOR 8/12/91
SB-2-5.5-6	7/5/1991	5.5	Total Petroleum Hydrocarbons	2	2000	A	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-3-5.5-6	7/5/1991	5.5	Nickel	6.2	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 8/12/91
SB-3-5.5-6	7/5/1991	5.5	Cadmium	2.0	2	A	No	1.0	34	V	No	<1	SEACOR 8/12/91
SB-3-5.5-6	7/5/1991	5.5	Chromium	7.5	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 8/12/91
SB-3-5.5-6	7/5/1991	5.5	Copper	81.6	3000	B, NC	No	<1	780	V	No	<1	SEACOR 8/12/91
SB-3-5.5-6	7/5/1991	5.5	Lead	3.3	1000	A	No	<1	1300	V	No	<1	SEACOR 8/12/91
SB-3-5.5-6	7/5/1991	5.5	Zinc	109	24000	B, NC	No	<1	770	V	No	<1	SEACOR 8/12/91
SB-3-5.5-6	7/5/1991	5.5	Total Petroleum Hydrocarbons	14	2000	A	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-3-5.5-6	7/5/1991	5.5	Tetrachloroethene	0.07 U	0.05	A	RLE	1.4	NA	NA	NA	NA	SEACOR 8/12/91
SB-3-5.5-6	7/5/1991	5.5	Trichloroethene	0.07 U	0.03	A	RLE	2.3	NA	NA	NA	NA	SEACOR 8/12/91
SB-3-5.5-6	7/5/1991	5.5	Arsenic	2.3	0.67	B, Carc	Yes	3.4	12000	V	No	<1	SEACOR 8/12/91
SB-4-5.5-6	7/5/1991	5.5	Total Petroleum Hydrocarbons	130	2000	A	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-4-5.5-6	7/5/1991	5.5	Tetrachloroethene	0.06 U	0.05	A	RLE	1.2	NA	NA	NA	NA	SEACOR 8/12/91
SB-4-5.5-6	7/5/1991	5.5	Trichloroethene	0.06 U	0.03	A	RLE	2.0	NA	NA	NA	NA	SEACOR 8/12/91
SB-5-2.5-3	7/5/1991	2.5	Nickel	6.5	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 8/12/91
SB-5-2.5-3	7/5/1991	2.5	Cadmium	1.0	2	A	No	<1	34	V	No	<1	SEACOR 8/12/91
SB-5-2.5-3	7/5/1991	2.5	Chromium	8.5	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 8/12/91
SB-5-2.5-3	7/5/1991	2.5	Copper	32.6	3000	B, NC	No	<1	780	V	No	<1	SEACOR 8/12/91
SB-5-2.5-3	7/5/1991	2.5	Lead	3.6	1000	A	No	<1	1300	V	No	<1	SEACOR 8/12/91
SB-5-2.5-3	7/5/1991	2.5	Zinc	38.6	24000	B, NC	No	<1	770	V	No	<1	SEACOR 8/12/91
SB-5-2.5-3	7/5/1991	2.5	Total Petroleum Hydrocarbons	1800	2000	A	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-5-2.5-3	7/5/1991	2.5	Xylenes, total	0.08	9	A	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-5-2.5-3	7/5/1991	2.5	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 8/12/91
SB-5-2.5-3	7/5/1991	2.5	Arsenic	2.7	0.67	B, Carc	Yes	4.0	12000	V	No	<1	SEACOR 8/12/91
SB-7-2.5-3	7/5/1991	2.5	Nickel	6.5	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 8/12/91
SB-7-2.5-3	7/5/1991	2.5	Cadmium	1.1	2	A	No	<1	34	V	No	<1	SEACOR 8/12/91
SB-7-2.5-3	7/5/1991	2.5	Chromium	9.2	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 8/12/91

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet) bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to- Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to- Sediment Screening Level Exceedence	Soil-to- Sediment Screening Level Exceedence Factor	Source
SB-7-2.5-3	7/5/1991	2.5	Copper	32.6	3000	B, NC	No	<1	780	V	No	<1	SEACOR 8/12/91
SB-7-2.5-3	7/5/1991	2.5	Lead	2.6	1000	A	No	<1	1300	V	No	<1	SEACOR 8/12/91
SB-7-2.5-3	7/5/1991	2.5	Zinc	31.6	24000	B, NC	No	<1	770	V	No	<1	SEACOR 8/12/91
SB-7-2.5-3	7/5/1991	2.5	Total Petroleum Hydrocarbons	3	2000	A	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-7-2.5-3	7/5/1991	2.5	Trichloroethene	0.05 U	0.03	A	RLE	1.7	NA	NA	NA	NA	SEACOR 8/12/91
SB-7-2.5-3	7/5/1991	2.5	Arsenic	1.2	0.67	B, Carc	Yes	1.8	12000	V	No	<1	SEACOR 8/12/91
SB-8-2.5-3	7/5/1991	2.5	Total Petroleum Hydrocarbons	4	2000	A	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-9-5.5-6	7/5/1991	5.5	Nickel	15.1	NA	NA	NA	NA	NA	NA	NA	NA	SEACOR 8/12/91
SB-9-5.5-6	7/5/1991	5.5	Chromium	17.2	19	A, Chromium VI	No	<1	5400	V	No	<1	SEACOR 8/12/91
SB-9-5.5-6	7/5/1991	5.5	Copper	153	3000	B, NC	No	<1	780	V	No	<1	SEACOR 8/12/91
SB-9-5.5-6	7/5/1991	5.5	Lead	11.6	1000	A	No	<1	1300	V	No	<1	SEACOR 8/12/91
SB-9-5.5-6	7/5/1991	5.5	Zinc	175	24000	B, NC	No	<1	770	V	No	<1	SEACOR 8/12/91
SB-9-5.5-6	7/5/1991	5.5	Total Petroleum Hydrocarbons	45	2000	A	No	<1	NA	NA	NA	NA	SEACOR 8/12/91
SB-9-5.5-6	7/5/1991	5.5	Tetrachloroethene	0.07 U	0.05	A	RLE	1.4	NA	NA	NA	NA	SEACOR 8/12/91
SB-9-5.5-6	7/5/1991	5.5	Trichloroethene	0.07 U	0.03	A	RLE	2.3	NA	NA	NA	NA	SEACOR 8/12/91
SB-9-5.5-6	7/5/1991	5.5	Arsenic	6	0.67	B, Carc	Yes	9.0	12000	V	No	<1	SEACOR 8/12/91
SB-9-5.5-6	7/5/1991	5.5	Cadmium	2.1	2	A	Yes	1.1	34	V	No	<1	SEACOR 8/12/91
SB-1A	9/19/1991	3.0	Arsenic	4.6	0.67	B, Carc	Yes	6.9	12000	V	No	<1	SEACOR 10/3/91
SB-1A	9/19/1991	8.0	Arsenic	7.5	0.67	B, Carc	Yes	11	590	S	No	<1	SEACOR 10/3/91
SB-2A	9/19/1991	3.0	Arsenic	0.94	0.67	B, Carc	Yes	1.4	12000	V	No	<1	SEACOR 10/3/91
SB-2A	9/19/1991	8.0	Arsenic	6.0	0.67	B, Carc	Yes	9.0	590	S	No	<1	SEACOR 10/3/91
SB-3A	9/19/1991	3.0	Arsenic	1.4	0.67	B, Carc	Yes	2.1	12000	V	No	<1	SEACOR 10/3/91
SB-3A	9/19/1991	8.0	Arsenic	2.7	0.67	B, Carc	Yes	4.0	590	S	No	<1	SEACOR 10/3/91
SB-4A	9/19/1991	3.0	Arsenic	1.5	0.67	B, Carc	Yes	2.2	12000	V	No	<1	SEACOR 10/3/91
SB-4A	9/19/1991	8.0	Arsenic	1.7	0.67	B, Carc	Yes	2.5	590	S	No	<1	SEACOR 10/3/91
EX11(7.5')	3/11/1992	7.5	Total Petroleum Hydrocarbons	350	2000	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
EX2(6')	3/11/1992	6	Total Petroleum Hydrocarbons	26000	2000	A	Yes	13	NA	NA	NA	NA	SECOR 12/14/92*
EX9(6.5')	3/11/1992	6.5	Total Petroleum Hydrocarbons	15000	2000	A	Yes	7.5	NA	NA	NA	NA	SECOR 12/14/92*
EX20(7')	3/16/1992	7	Total Petroleum Hydrocarbons	410	2000	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
EX22(7')	3/16/1992	7	Total Petroleum Hydrocarbons	160	2000	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
EX36(7.5')	3/23/1992	7.5	Total Petroleum Hydrocarbons	8100	2000	A	Yes	4.1	NA	NA	NA	NA	SECOR 12/14/92*
EX37(7.5')	3/23/1992	7.5	Total Petroleum Hydrocarbons	1900	2000	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
EX43(5.5')	3/24/1992	5.5	Total Petroleum Hydrocarbons	9500	2000	A	Yes	4.8	NA	NA	NA	NA	SECOR 12/14/92*
EX49(6')	3/25/1992	6	Total Petroleum Hydrocarbons	14	2000	A	No	<1	NA	NA	NA	NA	SECOR 12/14/92*
<b>Main Fuel Farm</b>													
NBF-MF-19	4/28/1986	3.0	Jet Fuel	4170	2000	A, diesel	Yes	2.1	NA	NA	NA	NA	Landau 9/9/86
NBF-MF-13	4/29/1986	10.0	Jet Fuel	2500	2000	A, diesel	Yes	1.3	NA	NA	NA	NA	Landau 9/9/86
NBF-MF-14	4/30/1986	8.0	Jet Fuel	1120	2000	A, diesel	No	<1	NA	NA	NA	NA	Landau 9/9/86
MW20-15	3/25/1992	15	Total Petroleum Hydrocarbons	52	2000	A	No	<1	NA	NA	NA	NA	SECOR 9/1/92*
MW22@5	3/26/1992	5	Benzene	0.054 U	0.03	A	RLE	1.8	NA	NA	NA	NA	SECOR 9/1/92*
MW22@8	3/26/1992	8	Total Petroleum Hydrocarbons	6.8 J	2000	A	No	<1	NA	NA	NA	NA	SECOR 9/1/92*
MW23@10	3/26/1992	10	Total Petroleum Hydrocarbons	5.2 J	2000	A	No	<1	NA	NA	NA	NA	SECOR 9/1/92*
MW23@7	3/26/1992	7	Benzene	0.078 U	0.03	A	RLE	2.6	NA	NA	NA	NA	SECOR 9/1/92*
MW27@10	3/26/1992	10	Benzene	0.065 U	0.03	A	RLE	2.2	NA	NA	NA	NA	SECOR 9/1/92*
MW28@10.0	3/26/1992	10	Total Petroleum Hydrocarbons	8.7 J	2000	A	No	<1	NA	NA	NA	NA	SECOR 9/1/92*
MW24@7	3/27/1992	7	Benzene	0.071 U	0.03	A	RLE	2.4	NA	NA	NA	NA	SECOR 9/1/92*
MW25@10	3/27/1992	10	Total Petroleum Hydrocarbons	8.9 J	2000	A	No	<1	NA	NA	NA	NA	SECOR 9/1/92*
MW25@10	3/27/1992	10	Benzene	0.08 U	0.03	A	RLE	2.7	NA	NA	NA	NA	SECOR 9/1/92*

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet) bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to- Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to- Sediment Screening Level Exceedence	Soil-to- Sediment Screening Level Exceedence Factor	Source
MW25@5	3/27/1992	5	Total Petroleum Hydrocarbons	5.9 J	2000	A	No	<1	NA	NA	NA	NA	SECOR 9/1/92*
MW26@7	3/27/1992	7	Benzene	0.071 U	0.03	A	RLE	2.4	NA	NA	NA	NA	SECOR 9/1/92*
UST-1	12/18/1992	7.5	Total Petroleum Hydrocarbons	9.8	2000	A	No	<1	NA	NA	NA	NA	SECOR 6/29/93*
UST-2	12/18/1992	7.5	Total Petroleum Hydrocarbons	5.5	2000	A	No	<1	NA	NA	NA	NA	SECOR 6/29/93*
UST-3	12/18/1992	7.5	Total Petroleum Hydrocarbons	8.4	2000	A	No	<1	NA	NA	NA	NA	SECOR 6/29/93*
UST-4	12/18/1992	7.5	Total Petroleum Hydrocarbons	110	2000	A	No	<1	NA	NA	NA	NA	SECOR 6/29/93*
UST-5	12/18/1992	7.5	Total Petroleum Hydrocarbons	20	2000	A	No	<1	NA	NA	NA	NA	SECOR 6/29/93*
NWW@4'	6/29/1994	4	Acetone	0.14 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NWW@4'	6/29/1994	4	1,2,4-Trichlorobenzene	0.082 U	800	B, NC	No	<1	0.046	V	RLE	1.8	SECOR 11/7/94*
NWW@4'	6/29/1994	4	1,2-Dichlorobenzene	0.082 U	7200	B, NC	No	<1	0.068	V	RLE	1.2	SECOR 11/7/94*
NWW@4'	6/29/1994	4	2,4-Dimethylphenol	0.25 U	1600	B, NC	No	<1	0.037	V	RLE	6.8	SECOR 11/7/94*
NWW@4'	6/29/1994	4	2-Methylphenol (o-cresol)	0.16 U	4000	B, NC	No	<1	0.091	V	RLE	1.8	SECOR 11/7/94*
NWW@4'	6/29/1994	4	Hexachlorobenzene	0.082 U	0.63	B, Carc	No	<1	0.046	V	RLE	1.8	SECOR 11/7/94*
NWW@4'	6/29/1994	4	Hexachlorobutadiene	0.16 U	13	B, Carc	No	<1	0.15	V	RLE	1.1	SECOR 11/7/94*
NWW@4'	6/29/1994	4	Naphthalene	0.12	5	A	No	<1	3.8	V	No	<1	SECOR 11/7/94*
NWW@4'	6/29/1994	4	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0027	2400000	B, NC	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NWW@4'	6/29/1994	4	Benzene	0.0098	0.03	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NWW@4'	6/29/1994	4	Carbon Disulfide	0.0023	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NWW@4'	6/29/1994	4	Ethylbenzene	0.015	6	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NWW@4'	6/29/1994	4	Gasoline Range Hydrocarbons	27	30	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NWW@4'	6/29/1994	4	MEK (2-Butanone)	0.032	48000	B, NC	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NWW@4'	6/29/1994	4	Toluene	0.0016	7	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NWW@4'	6/29/1994	4	Xylenes, total	0.0068	9	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NWW@4'	6/29/1994	4	N-nitroso-di-n-propylamine	0.16 U	0.14	B, Carc	RLE	1.1	NA	NA	NA	NA	SECOR 11/7/94*
NWW@4'	6/29/1994	4	Gasoline Range Hydrocarbons	39	30	A	Yes	1.3	NA	NA	NA	NA	SECOR 11/7/94*
NWW@8'	6/29/1994	8	Acetone	1.5 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NWW@8'	6/29/1994	8	1,2,4-Trichlorobenzene	0.088 U	800	B, NC	No	<1	0.046	V	RLE	1.9	SECOR 11/7/94*
NWW@8'	6/29/1994	8	1,2-Dichlorobenzene	0.088 U	7200	B, NC	No	<1	0.068	V	RLE	1.3	SECOR 11/7/94*
NWW@8'	6/29/1994	8	2,4-Dimethylphenol	0.26 U	1600	B, NC	No	<1	0.037	V	RLE	7.0	SECOR 11/7/94*
NWW@8'	6/29/1994	8	2-Methylphenol (o-cresol)	0.18 U	4000	B, NC	No	<1	0.091	V	RLE	2.0	SECOR 11/7/94*
NWW@8'	6/29/1994	8	Hexachlorobenzene	0.088 U	0.63	B, Carc	No	<1	0.046	V	RLE	1.9	SECOR 11/7/94*
NWW@8'	6/29/1994	8	Hexachlorobutadiene	0.18 U	13	B, Carc	No	<1	0.15	V	RLE	1.2	SECOR 11/7/94*
NWW@8'	6/29/1994	8	2-Methyl naphthalene	1.3	320	B, NC	No	<1	1.4	V	No	<1	SECOR 11/7/94*
NWW@8'	6/29/1994	8	Fluorene	0.12	3200	B, NC	No	<1	2	V	No	<1	SECOR 11/7/94*
NWW@8'	6/29/1994	8	Naphthalene	0.39	5	A	No	<1	3.8	V	No	<1	SECOR 11/7/94*
NWW@8'	6/29/1994	8	1,1,2-Trichloro-1,2,2-trifluoroethane	3.5	2400000	B, NC	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NWW@8'	6/29/1994	8	Diesel Range Hydrocarbons	200	2000	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NWW@8'	6/29/1994	8	Diesel Range Hydrocarbons	76	2000	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NWW@8'	6/29/1994	8	Toluene	0.2	7	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NWW@8'	6/29/1994	8	Xylenes, total	0.69	9	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NWW@8'	6/29/1994	8	Benzene	0.18 U	0.03	A	RLE	6.0	NA	NA	NA	NA	SECOR 11/7/94*
NWW@8'	6/29/1994	8	N-nitroso-di-n-propylamine	0.18 U	0.14	B, Carc	RLE	1.3	NA	NA	NA	NA	SECOR 11/7/94*
NWW@8'	6/29/1994	8	Tetrachloroethene	0.18 U	0.05	A	RLE	3.6	NA	NA	NA	NA	SECOR 11/7/94*
NWW@8'	6/29/1994	8	Trichloroethene	0.18 U	0.03	A	RLE	6.0	NA	NA	NA	NA	SECOR 11/7/94*
NWW@8'	6/29/1994	8	Methylene Chloride	0.41 B	0.02	A	Yes	21	NA	NA	NA	NA	SECOR 11/7/94*
NWW@8'	6/29/1994	8	Gasoline Range Hydrocarbons	48	30	A	Yes	1.6	NA	NA	NA	NA	SECOR 11/7/94*
NWW@8'	6/29/1994	8	Gasoline Range Hydrocarbons	710	30	A	Yes	24	NA	NA	NA	NA	SECOR 11/7/94*
WW@5'	6/29/1994	5	1,2,4-Trichlorobenzene	0.076 U	800	B, NC	No	<1	0.046	V	RLE	1.7	SECOR 11/7/94*

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
WW@5'	6/29/1994	5	1,2-Dichlorobenzene	0.076 U	7200	B, NC	No	<1	0.068	V	RLE	1.1	SECOR 11/7/94*
WW@5'	6/29/1994	5	2,4-Dimethylphenol	0.23 U	1600	B, NC	No	<1	0.037	V	RLE	6.2	SECOR 11/7/94*
WW@5'	6/29/1994	5	2-Methylphenol (o-cresol)	0.15 U	4000	B, NC	No	<1	0.091	V	RLE	1.6	SECOR 11/7/94*
WW@5'	6/29/1994	5	Hexachlorobenzene	0.076 U	0.63	B, Carc	No	<1	0.046	V	RLE	1.7	SECOR 11/7/94*
<b>WW@5'</b>	<b>6/29/1994</b>	<b>5</b>	<b>2-Methyl naphthalene</b>	<b>8.2</b>	<b>320</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>1.4</b>	<b>V</b>	<b>Yes</b>	<b>5.9</b>	<b>SECOR 11/7/94*</b>
WW@5'	6/29/1994	5	Dibenzofuran	0.1	160	B, NC	No	<1	1.2	V	No	<1	SECOR 11/7/94*
WW@5'	6/29/1994	5	Fluorene	0.18	3200	B, NC	No	<1	2	V	No	<1	SECOR 11/7/94*
WW@5'	6/29/1994	5	Naphthalene	3.6	5	A	No	<1	3.8	V	No	<1	SECOR 11/7/94*
WW@5'	6/29/1994	5	Diesel Range Hydrocarbons	2000	2000	A	No	1.0	NA	NA	NA	NA	SECOR 11/7/94*
WW@5'	6/29/1994	5	Xylenes, total	0.33	9	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
WW@5'	6/29/1994	5	Benzene	0.14 U	0.03	A	RLE	4.7	NA	NA	NA	NA	SECOR 11/7/94*
WW@5'	6/29/1994	5	N-nitroso-di-n-propylamine	0.15 U	0.14	B, Carc	RLE	1.1	NA	NA	NA	NA	SECOR 11/7/94*
WW@5'	6/29/1994	5	Tetrachloroethene	0.14 U	0.05	A	RLE	2.8	NA	NA	NA	NA	SECOR 11/7/94*
WW@5'	6/29/1994	5	Trichloroethene	0.14 U	0.03	A	RLE	4.7	NA	NA	NA	NA	SECOR 11/7/94*
WW@5'	6/29/1994	5	Methylene Chloride	0.35 B	0.02	A	Yes	18	NA	NA	NA	NA	SECOR 11/7/94*
WW@5'	6/29/1994	5	Gasoline Range Hydrocarbons	1100	30	A	Yes	37	NA	NA	NA	NA	SECOR 11/7/94*
WW@5'	6/29/1994	5	Gasoline Range Hydrocarbons	2800	30	A	Yes	93	NA	NA	NA	NA	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Dibenz(a,h)anthracene	0.78 U	NA	NA	NA	NA	0.66	V	RLE	1.2	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Xylenes, total	0.17 J	9	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
EW6@4'	7/1/1994	4	2-Methyl naphthalene	1.1 M	320	B, NC	No	<1	1.4	V	No	<1	SECOR 11/7/94*
EW6@4'	7/1/1994	4	1,2,4-Trichlorobenzene	0.78 U	800	B, NC	No	<1	0.046	V	RLE	17	SECOR 11/7/94*
EW6@4'	7/1/1994	4	1,2-Dichlorobenzene	0.78 U	7200	B, NC	No	<1	0.068	V	RLE	11	SECOR 11/7/94*
EW6@4'	7/1/1994	4	1,4-Dichlorobenzene	0.78 U	42	B, Carc	No	<1	0.27	V	RLE	2.9	SECOR 11/7/94*
EW6@4'	7/1/1994	4	2,4-Dimethylphenol	2.3 U	1600	B, NC	No	<1	0.037	V	RLE	62	SECOR 11/7/94*
EW6@4'	7/1/1994	4	2-Methylphenol (o-cresol)	1.6 U	4000	B, NC	No	<1	0.091	V	RLE	18	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Benzyl Alcohol	3.9 U	24000	B, NC	No	<1	1.0	V	RLE	3.9	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Hexachlorobutadiene	1.6 U	13	B, Carc	No	<1	0.15	V	RLE	11	SECOR 11/7/94*
EW6@4'	7/1/1994	4	N-Nitrosodiphenylamine	0.78 U	200	B, Carc	No	<1	0.23	V	RLE	3.4	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Pentachlorophenol	3.9 U	8.3	B, Carc	No	<1	0.73	V	RLE	5.3	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Hexachlorobenzene	0.78 U	0.63	B, Carc	RLE	1.2	0.046	V	RLE	17	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Benzo(a)pyrene	0.78 U	0.137	B, Carc	RLE	5.7	4.2	V	No	<1	SECOR 11/7/94*
EW6@4'	7/1/1994	4	3,3'-Dichlorobenzidine	3.9 U	2.2	B, Carc	RLE	1.8	NA	NA	NA	NA	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Benzene	0.14 U	0.03	A	RLE	4.7	NA	NA	NA	NA	SECOR 11/7/94*
EW6@4'	7/1/1994	4	bis(2-Chloroethyl)ether	1.6 U	0.91	B, Carc	RLE	1.8	NA	NA	NA	NA	SECOR 11/7/94*
EW6@4'	7/1/1994	4	N-nitroso-di-n-propylamine	1.6 U	0.14	B, Carc	RLE	11	NA	NA	NA	NA	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Tetrachloroethene	0.14 U	0.05	A	RLE	2.8	NA	NA	NA	NA	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Trichloroethene	0.14 U	0.03	A	RLE	4.7	NA	NA	NA	NA	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Methylene Chloride	0.31 B	0.02	A	Yes	16	NA	NA	NA	NA	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Diesel Range Hydrocarbons	2900	2000	A	Yes	1.5	NA	NA	NA	NA	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Diesel Range Hydrocarbons	4100	2000	A	Yes	2.1	NA	NA	NA	NA	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Gasoline Range Hydrocarbons	3500	30	A	Yes	117	NA	NA	NA	NA	SECOR 11/7/94*
EW6@4'	7/1/1994	4	Gasoline Range Hydrocarbons	4500	30	A	Yes	150	NA	NA	NA	NA	SECOR 11/7/94*
EW8@8	7/1/1994	8	Diesel Range Hydrocarbons	1000	2000	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
EW8@8	7/1/1994	8	Gasoline Range Hydrocarbons	1500	30	A	Yes	50	NA	NA	NA	NA	SECOR 11/7/94*
EW8@8'	7/1/1994	8	Diesel Range Hydrocarbons	1200	2000	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
EW8@8'	7/1/1994	8	Gasoline Range Hydrocarbons	1200	30	A	Yes	40	NA	NA	NA	NA	SECOR 11/7/94*
EW9@4'	7/5/1994	4	Gasoline Range Hydrocarbons	12	30	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
EW9@4'	7/5/1994	4	Gasoline Range Hydrocarbons	35	30	A	Yes	1.2	NA	NA	NA	NA	SECOR 11/7/94*

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
SW16@4	7/11/1994	4	Diesel Range Hydrocarbons	59	2000	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
SW16@4	7/11/1994	4	Diesel Range Hydrocarbons	21	2000	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
SW16@4	7/11/1994	4	Gasoline Range Hydrocarbons	28	30	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
SW16@4	7/11/1994	4	Gasoline Range Hydrocarbons	24	30	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
SW16@8	7/11/1994	8	Heavy Oil Range Hydrocarbons	50	2000	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
SW16@8	7/11/1994	8	Diesel Range Hydrocarbons	5400	2000	A	Yes	2.7	NA	NA	NA	NA	SECOR 11/7/94*
SW16@8	7/11/1994	8	Diesel Range Hydrocarbons	6600	2000	A	Yes	3.3	NA	NA	NA	NA	SECOR 11/7/94*
SW16@8	7/11/1994	8	Gasoline Range Hydrocarbons	5300	30	A	Yes	177	NA	NA	NA	NA	SECOR 11/7/94*
SW16@8	7/11/1994	8	Gasoline Range Hydrocarbons	6100	30	A	Yes	203	NA	NA	NA	NA	SECOR 11/7/94*
SW21@8	7/14/1994	8	Benzo(a)anthracene	8.5	NA	NA	NA	NA	5.4	V	Yes	1.6	SECOR 11/7/94*
SW21@8	7/14/1994	8	Phenanthrene	14	NA	NA	NA	NA	9.7	V	Yes	1.4	SECOR 11/7/94*
SW21@8	7/14/1994	8	Benzo(b)fluoranthene	6	NA	NA	NA	NA	9.0	V	No	<1	SECOR 11/7/94*
SW21@8	7/14/1994	8	Benzo(g,h,i)perylene	0.87	NA	NA	NA	NA	1.6	V	No	<1	SECOR 11/7/94*
SW21@8	7/14/1994	8	Benzo(k)fluoranthene	2.8	NA	NA	NA	NA	9.0	V	No	<1	SECOR 11/7/94*
SW21@8	7/14/1994	8	Chrysene	7.3	NA	NA	NA	NA	9.2	V	No	<1	SECOR 11/7/94*
SW21@8	7/14/1994	8	Indeno(1,2,3-cd)pyrene	1	NA	NA	NA	NA	1.8	V	No	<1	SECOR 11/7/94*
SW21@8	7/14/1994	8	Methylene Chloride	0.011 B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
SW21@8	7/14/1994	8	2-Methyl naphthalene	15 M	320	B, NC	No	<1	1.4	V	Yes	11	SECOR 11/7/94*
SW21@8	7/14/1994	8	Acenaphthene	3.1 M	4800	B, NC	No	<1	1.2	V	Yes	2.6	SECOR 11/7/94*
SW21@8	7/14/1994	8	Dibenzofuran	1.2 M	160	B, NC	No	<1	1.2	V	No	1.0	SECOR 11/7/94*
SW21@8	7/14/1994	8	1,2,4-Trichlorobenzene	0.46 U	800	B, NC	No	<1	0.046	V	RLE	10	SECOR 11/7/94*
SW21@8	7/14/1994	8	1,2-Dichlorobenzene	0.46 U	7200	B, NC	No	<1	0.068	V	RLE	6.8	SECOR 11/7/94*
SW21@8	7/14/1994	8	1,4-Dichlorobenzene	0.46 U	42	B, Carc	No	<1	0.27	V	RLE	1.7	SECOR 11/7/94*
SW21@8	7/14/1994	8	2,4-Dimethylphenol	7.5 U	1600	B, NC	No	<1	0.037	V	RLE	203	SECOR 11/7/94*
SW21@8	7/14/1994	8	2-Methylphenol (o-cresol)	0.92 U	4000	B, NC	No	<1	0.091	V	RLE	10	SECOR 11/7/94*
SW21@8	7/14/1994	8	Benzyl Alcohol	2.3 U	24000	B, NC	No	<1	1.0	V	RLE	2.3	SECOR 11/7/94*
SW21@8	7/14/1994	8	Hexachlorobenzene	0.46 U	0.63	B, Carc	No	<1	0.046	V	RLE	10	SECOR 11/7/94*
SW21@8	7/14/1994	8	Hexachlorobutadiene	0.92 U	13	B, Carc	No	<1	0.15	V	RLE	6.1	SECOR 11/7/94*
SW21@8	7/14/1994	8	N-Nitrosodiphenylamine	0.46 U	200	B, Carc	No	<1	0.23	V	RLE	2.0	SECOR 11/7/94*
SW21@8	7/14/1994	8	Pentachlorophenol	2.3 U	8.3	B, Carc	No	<1	0.73	V	RLE	3.2	SECOR 11/7/94*
SW21@8	7/14/1994	8	Fluorene	2.7	3200	B, NC	No	<1	2	V	Yes	1.7	SECOR 11/7/94*
SW21@8	7/14/1994	8	Anthracene	4.7	24000	B, NC	No	<1	24	V	No	<1	SECOR 11/7/94*
SW21@8	7/14/1994	8	Fluoranthene	22	3200	B, NC	No	<1	24	V	No	<1	SECOR 11/7/94*
SW21@8	7/14/1994	8	Pyrene	23	2400	B, NC	No	<1	28	V	No	<1	SECOR 11/7/94*
SW21@8	7/14/1994	8	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0083	2400000	B, NC	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
SW21@8	7/14/1994	8	Acetone	0.029	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
SW21@8	7/14/1994	8	Gasoline Range Hydrocarbons	9.8	30	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
SW21@8	7/14/1994	8	Heavy Oil Range Hydrocarbons	240	2000	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
SW21@8	7/14/1994	8	Toluene	0.0022	7	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
SW21@8	7/14/1994	8	N-nitroso-di-n-propylamine	0.92 U	0.14	B, Carc	RLE	6.6	NA	NA	NA	NA	SECOR 11/7/94*
SW21@8	7/14/1994	8	Naphthalene	9.2 M	5	A	Yes	1.8	3.8	V	Yes	2.4	SECOR 11/7/94*
SW21@8	7/14/1994	8	Benzo(a)pyrene	4.3	0.137	B, Carc	Yes	31	4.2	V	No	1.0	SECOR 11/7/94*
SW21@8	7/14/1994	8	Diesel Range Hydrocarbons	14000	2000	A	Yes	7.0	NA	NA	NA	NA	SECOR 11/7/94*
SW21@8	7/14/1994	8	Diesel Range Hydrocarbons	18000	2000	A	Yes	9.0	NA	NA	NA	NA	SECOR 11/7/94*
SW21@8	7/14/1994	8	Gasoline Range Hydrocarbons	21000	30	A	Yes	700	NA	NA	NA	NA	SECOR 11/7/94*
SW21@8	7/14/1994	8	PAHs, total carcinogenic	6	0.14	B, Carc	Yes	44	NA	NA	NA	NA	SECOR 11/7/94*
SW21@8	7/14/1994	8	Total Petroleum Hydrocarbons	26000	2000	A	Yes	13	NA	NA	NA	NA	SECOR 11/7/94*
WW19@7	7/14/1994	7	Benzo(a)anthracene	0.32	NA	NA	NA	NA	5.4	V	No	<1	SECOR 11/7/94*

**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet) bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to- Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to- Sediment Screening Level Exceedence	Soil-to- Sediment Screening Level Exceedence Factor	Source
WW19@7	7/14/1994	7	Benzo(b)fluoranthene	0.2	NA	NA	NA	NA	9.0	V	No	<1	SECOR 11/7/94*
WW19@7	7/14/1994	7	Benzo(k)fluoranthene	0.26	NA	NA	NA	NA	9.0	V	No	<1	SECOR 11/7/94*
WW19@7	7/14/1994	7	Chrysene	0.28	NA	NA	NA	NA	9.2	V	No	<1	SECOR 11/7/94*
WW19@7	7/14/1994	7	Phenanthrene	0.26	NA	NA	NA	NA	9.7	V	No	<1	SECOR 11/7/94*
WW19@7	7/14/1994	7	1,2,4-Trichlorobenzene	0.074 U	800	B, NC	No	<1	0.046	V	RLE	1.6	SECOR 11/7/94*
WW19@7	7/14/1994	7	1,2-Dichlorobenzene	0.074 U	7200	B, NC	No	<1	0.068	V	RLE	1.1	SECOR 11/7/94*
WW19@7	7/14/1994	7	2,4-Dimethylphenol	0.22 U	1600	B, NC	No	<1	0.037	V	RLE	5.9	SECOR 11/7/94*
WW19@7	7/14/1994	7	2-Methylphenol (o-cresol)	0.15 U	4000	B, NC	No	<1	0.091	V	RLE	1.6	SECOR 11/7/94*
WW19@7	7/14/1994	7	Hexachlorobenzene	0.074 U	0.63	B, Carc	No	<1	0.046	V	RLE	1.6	SECOR 11/7/94*
WW19@7	7/14/1994	7	Anthracene	0.095	24000	B, NC	No	<1	24	V	No	<1	SECOR 11/7/94*
WW19@7	7/14/1994	7	Fluoranthene	0.82	3200	B, NC	No	<1	24	V	No	<1	SECOR 11/7/94*
WW19@7	7/14/1994	7	Pyrene	1	2400	B, NC	No	<1	28	V	No	<1	SECOR 11/7/94*
WW19@7	7/14/1994	7	1,1,2-Trichloro-1,2,2-trifluoroethane	0.027	2400000	B, NC	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
WW19@7	7/14/1994	7	Diesel Range Hydrocarbons	380	2000	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
WW19@7	7/14/1994	7	Diesel Range Hydrocarbons	370	2000	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
WW19@7	7/14/1994	7	N-nitroso-di-n-propylamine	0.15 U	0.14	B, Carc	RLE	1.1	NA	NA	NA	NA	SECOR 11/7/94*
WW19@7	7/14/1994	7	Methylene Chloride	0.044 B	0.02	A	Yes	2.2	NA	NA	NA	NA	SECOR 11/7/94*
WW19@7	7/14/1994	7	Benzo(a)pyrene	0.19	0.137	B, Carc	Yes	1.4	4.2	V	No	<1	SECOR 11/7/94*
WW19@7	7/14/1994	7	Gasoline Range Hydrocarbons	230	30	A	Yes	7.7	NA	NA	NA	NA	SECOR 11/7/94*
WW19@7	7/14/1994	7	Gasoline Range Hydrocarbons	320	30	A	Yes	11	NA	NA	NA	NA	SECOR 11/7/94*
WW19@7	7/14/1994	7	PAHs, total carcinogenic	0.3	0.14	B, Carc	Yes	1.9	NA	NA	NA	NA	SECOR 11/7/94*
NW25@8	7/22/1994	8	Diesel Range Hydrocarbons	270	2000	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NW25@8	7/22/1994	8	Gasoline Range Hydrocarbons	480	30	A	Yes	16	NA	NA	NA	NA	SECOR 11/7/94*
NW25@8'	7/22/1994	8	Diesel Range Hydrocarbons	120	2000	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NW25@8'	7/22/1994	8	Gasoline Range Hydrocarbons	27	30	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NW26@8B	7/22/1994	8	Diesel Range Hydrocarbons	95	2000	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NW26@8B	7/22/1994	8	Diesel Range Hydrocarbons	36	2000	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NW26@8B	7/22/1994	8	Gasoline Range Hydrocarbons	60	30	A	Yes	2.0	NA	NA	NA	NA	SECOR 11/7/94*
NW26@8B	7/22/1994	8	Gasoline Range Hydrocarbons	87	30	A	Yes	2.9	NA	NA	NA	NA	SECOR 11/7/94*
NW28@8	7/22/1994	8	Diesel Range Hydrocarbons	380	2000	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NW28@8	7/22/1994	8	Gasoline Range Hydrocarbons	220	30	A	Yes	7.3	NA	NA	NA	NA	SECOR 11/7/94*
NW28@8'	7/22/1994	8	Diesel Range Hydrocarbons	310	2000	A	No	<1	NA	NA	NA	NA	SECOR 11/7/94*
NW28@8'	7/22/1994	8	Gasoline Range Hydrocarbons	310	30	A	Yes	10	NA	NA	NA	NA	SECOR 11/7/94*
<b>Building 3-818</b>													
MW1(5'-5.5')	2/20/1993	5	Benzene	0.062 U	0.03	A	RLE	2.1	NA	NA	NA	NA	SECOR 4/1/93*
MW1(8.5-9.0)	2/20/1993	8.5	Benzene	0.067 U	0.03	A	RLE	2.2	NA	NA	NA	NA	SECOR 4/1/93*
MW2(5'-5.5')	2/20/1993	5	Benzene	0.059 U	0.03	A	RLE	2.0	NA	NA	NA	NA	SECOR 4/1/93*
MW2(8.5-9')	2/20/1993	8.5	Benzene	0.066 U	0.03	A	RLE	2.2	NA	NA	NA	NA	SECOR 4/1/93*
<b>Concourse B</b>													
B4 @ 5.5	7/25/1996	5.5	1,2,4-Trichlorobenzene	0.09 U	800	B, NC	No	<1	0.046	V	RLE	2.0	Not Recorded*
B4 @ 5.5	7/25/1996	5.5	1,2-Dichlorobenzene	0.09 U	7200	B, NC	No	<1	0.068	V	RLE	1.3	Not Recorded*
B4 @ 5.5	7/25/1996	5.5	2,4-Dimethylphenol	0.27 U	1600	B, NC	No	<1	0.037	V	RLE	7.3	Not Recorded*
B4 @ 5.5	7/25/1996	5.5	2-Methylphenol (o-cresol)	0.18 U	4000	B, NC	No	<1	0.091	V	RLE	2.0	Not Recorded*
B4 @ 5.5	7/25/1996	5.5	Hexachlorobenzene	0.09 U	0.63	B, Carc	No	<1	0.046	V	RLE	2.0	Not Recorded*
B4 @ 5.5	7/25/1996	5.5	Hexachlorobutadiene	0.18 U	13	B, Carc	No	<1	0.15	V	RLE	1.2	Not Recorded*
B4 @ 5.5	7/25/1996	5.5	1,1,1-Trichloroethane	0.08495	2	A	No	<1	NA	NA	NA	NA	SECOR 10/3/96*
B4 @ 5.5	7/25/1996	5.5	N-nitroso-di-n-propylamine	0.18 U	0.14	B, Carc	RLE	1.3	NA	NA	NA	NA	Not Recorded*
B8 @ 7.5	7/25/1996	7.5	1,2,4-Trichlorobenzene	0.085 U	800	B, NC	No	<1	0.046	V	RLE	1.8	Not Recorded*



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**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
B8 @ 7.5	7/25/1996	7.5	1,2-Dichlorobenzene	0.085 U	7200	B, NC	No	<1	0.068	V	RLE	1.3	Not Recorded*
B8 @ 7.5	7/25/1996	7.5	2,4-Dimethylphenol	0.26 U	1600	B, NC	No	<1	0.037	V	RLE	7.0	Not Recorded*
B8 @ 7.5	7/25/1996	7.5	2-Methylphenol (o-cresol)	0.17 U	4000	B, NC	No	<1	0.091	V	RLE	1.9	Not Recorded*
B8 @ 7.5	7/25/1996	7.5	Hexachlorobenzene	0.085 U	0.63	B, Carc	No	<1	0.046	V	RLE	1.8	Not Recorded*
B8 @ 7.5	7/25/1996	7.5	Hexachlorobutadiene	0.17 U	13	B, Carc	No	<1	0.15	V	RLE	1.1	Not Recorded*
B8 @ 7.5	7/25/1996	7.5	1,1,1-Trichloroethane	0.10511	2	A	No	<1	NA	NA	NA	NA	SECOR 10/3/96*
B8 @ 7.5	7/25/1996	7.5	N-nitroso-di-n-propylamine	0.17 U	0.14	B, Carc	RLE	1.2	NA	NA	NA	NA	Not Recorded*
<b>Concourse C</b>													
B-1 Comp	9/6/1990	1-6	Acetone	0.89 J, B	8000	B, NC	No	<1	NA	NA	NA	NA	Dames & Moore 10/23/90
B-1 Comp	9/6/1990	1-6	Ethylbenzene	0.53 K	6	A	No	<1	NA	NA	NA	NA	Dames & Moore 10/23/90
B-1 Comp	9/6/1990	1-6	1,1,1-Trichloroethane	0.0015 M	2	A	No	<1	NA	NA	NA	NA	Dames & Moore 10/23/90
B-1 Comp	9/6/1990	1-6	MEK (2-Butanone)	0.0033 M	48000	B, NC	No	<1	NA	NA	NA	NA	Dames & Moore 10/23/90
B-1 Comp	9/6/1990	1-6	Methylene Chloride	0.0007 M	0.02	A	No	<1	NA	NA	NA	NA	Dames & Moore 10/23/90
B-1 Comp	9/6/1990	1-6	Styrene	0.0081 M	33	B, Carc	No	<1	NA	NA	NA	NA	Dames & Moore 10/23/90
B-1 Comp	9/6/1990	1-6	Toluene	0.011 M	7	A	No	<1	NA	NA	NA	NA	Dames & Moore 10/23/90
B-1 Comp	9/6/1990	1-6	Acetone	0.029	8000	B, NC	No	<1	NA	NA	NA	NA	Dames & Moore 10/23/90
B-1 Comp	9/6/1990	1-6	Ethylbenzene	0.69	6	A	No	<1	NA	NA	NA	NA	Dames & Moore 10/23/90
B-1 Comp	9/6/1990	1-6	Tetrachloroethene	0.0017	0.05	A	No	<1	NA	NA	NA	NA	Dames & Moore 10/23/90
B-1 Comp	9/6/1990	1-6	Xylenes, total	1	9	A	No	<1	NA	NA	NA	NA	Dames & Moore 10/23/90
B-1 Comp	9/6/1990	1-6	Xylenes, total	0.41	9	A	No	<1	NA	NA	NA	NA	Dames & Moore 10/23/90
B-1 Comp	9/6/1990	1-6	Benzene	0.28 U	0.03	A	RLE	9.3	NA	NA	NA	NA	Dames & Moore 10/23/90
B-1 Comp	9/6/1990	1-6	Tetrachloroethene	0.28 U	0.05	A	RLE	5.6	NA	NA	NA	NA	Dames & Moore 10/23/90
B-1 Comp	9/6/1990	1-6	Trichloroethene	0.28 U	0.03	A	RLE	9.3	NA	NA	NA	NA	Dames & Moore 10/23/90
B-1 Comp	9/6/1990	1-6	Vinyl Chloride	0.83 U	0.67	B, Carc	RLE	1.2	NA	NA	NA	NA	Dames & Moore 10/23/90
B-1 Comp	9/6/1990	1-6	Methylene Chloride	0.089 B	0.02	A	Yes	4.5	NA	NA	NA	NA	Dames & Moore 10/23/90
B-1 Comp	9/6/1990	1-6	Diesel Range Hydrocarbons	5500	2000	A	Yes	2.8	NA	NA	NA	NA	Dames & Moore 10/23/90
B-2 Comp	9/6/1990	1-6	Acetone	0.0059 B	8000	B, NC	No	<1	NA	NA	NA	NA	Dames & Moore 10/23/90
B-2 Comp	9/6/1990	1-6	Methylene Chloride	0.0014 J, B	0.02	A	No	<1	NA	NA	NA	NA	Dames & Moore 10/23/90
B-3 Comp	9/6/1990	1-6	Acetone	0.0058 B	8000	B, NC	No	<1	NA	NA	NA	NA	Dames & Moore 10/23/90
B-3 Comp	9/6/1990	1-6	Toluene	0.0009 J	7	A	No	<1	NA	NA	NA	NA	Dames & Moore 10/23/90
B-3 Comp	9/6/1990	1-6	Methylene Chloride	0.0007 J, B	0.02	A	No	<1	NA	NA	NA	NA	Dames & Moore 10/23/90
B6 E4	8/22/1991	4	Methylene Chloride	0.0066 B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 7/14/92*
B6 E4	8/22/1991	4	Acetone	0.0037 J, B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 7/14/92*
B6 E6	8/22/1991	6	Diesel Range Hydrocarbons	17	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/14/92*
B6 E8	8/22/1991	8	Diesel Range Hydrocarbons	48	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/14/92*
B7 E4	8/22/1991	4	Methylene Chloride	0.011 B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 7/14/92*
B7 E4	8/22/1991	4	Acetone	0.0047 J, B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 7/14/92*
B7 E8	8/22/1991	8	Diesel Range Hydrocarbons	64	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/14/92*
B8 E4	8/22/1991	4	Acetone	0.01 B	8000	B, NC	No	<1	NA	NA	NA	NA	SECOR 7/14/92*
B8 E4	8/22/1991	4	Methylene Chloride	0.0035 B	0.02	A	No	<1	NA	NA	NA	NA	SECOR 7/14/92*
B8 E6	8/22/1991	6	Diesel Range Hydrocarbons	23	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/14/92*
B8 E8	8/22/1991	8	Diesel Range Hydrocarbons	56	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/14/92*
HA-3-1'	9/18/1991	1	Diesel Range Hydrocarbons	52	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/14/92*
HA-13-3'	10/2/1991	3	Diesel Range Hydrocarbons	220	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/14/92*
HA-14-05'	10/9/1991	5	Diesel Range Hydrocarbons	11	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/14/92*
EX-1@4.5	11/21/1991	4.5	Diesel Range Hydrocarbons	11	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/14/92*
EX-9-5.5'	12/2/1991	5.5	Diesel Range Hydrocarbons	48	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/14/92*
EX-11	12/9/1991	6	Diesel Range Hydrocarbons	15	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/14/92*



**Table E-1**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
EX-12	12/9/1991	6	Diesel Range Hydrocarbons	15	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/14/92*
EX-15	12/9/1991	6	Diesel Range Hydrocarbons	15	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/14/92*
EX-18@4	1/21/1992	4	Diesel Range Hydrocarbons	51	2000	A	No	<1	NA	NA	NA	NA	SECOR 7/14/92*
EX-18@4	1/21/1992	4	Benzene	0.63 U	0.03	A	RLE	21	NA	NA	NA	NA	SECOR 7/14/92*

**Notes:**

feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

Soil samples from areas that have been excavated are not included in the table.

MTCA Cleanup Levels

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

RLE - Reporting limit exceeds MTCA Cleanup Level and/or Soil-to-Sediment Screening Level; analyte not detected.

Soil-to-Sediment Screening Levels

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the soil-to-sediment screening level.

Data Qualifiers

B - Indicates the analyte was detected in the associated laboratory method blank

J - Estimated value between the laboratory reporting limit and the method detection limit

K - Indicates the value exceeded the calibration curve of the laboratory equipment

M - Indicates an estimated value of the analyte was found and confirmed by analyst, but with low spectral match parameters

U - Analyte not detected, number is the detection limit

UJ - Analyte not detected, number is the estimated detection limit

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
<i>Concourse A</i>											
A5	7/25/1996	2,4,6-Trichlorophenol	5 U	4	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
A5	7/25/1996	3,3'-Dichlorobenzidine	5 U	0.19	B, Carc	RLE	26	NA	NA	NA	Not Recorded*
A5	7/25/1996	bis(2-chloroethyl)ether	2 U	0.04	B, Carc	RLE	50	NA	NA	NA	Not Recorded*
A5	7/25/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SECOR 10/3/96*
A5	7/25/1996	Benzene	0.5 U	0.8	B, Carc	RLE	0.6	NA	NA	NA	SECOR 10/3/96*
A5	7/25/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 10/3/96*
A5	7/25/1996	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 10/3/96*
A5	7/25/1996	Hexachlorobutadiene	2 U	0.56	B, Carc	RLE	3.6	6.2	No	<1	Not Recorded*
A5	7/25/1996	Pentachlorophenol	5 U	0.73	B, Carc	RLE	6.8	10	No	<1	Not Recorded*
A5	7/25/1996	Benzo(a)pyrene	1 U	0.012	B, Carc	RLE	83	0.27	RLE	3.7	Not Recorded*
A5	7/25/1996	Hexachlorobenzene	1 U	0.055	B, Carc	RLE	18	0.029	RLE	34	Not Recorded*
A5	7/25/1996	Cadmium	10 U	5	A	RLE	2.0	3.4	RLE	2.9	SECOR 10/3/96*
A5	7/25/1996	Mercury	50 U	2	A	RLE	25	0.0074	RLE	6757	SECOR 10/3/96*
A5	7/25/1996	2,4-Dimethylphenol	3 U	160	B, NC	No	<1	2.0	RLE	1.5	Not Recorded*
A5	7/25/1996	Silver	10 U	80	B, NC	No	<1	1.5	RLE	6.7	SECOR 10/3/96*
A5	7/25/1996	Benzo(a)anthracene	1 U	NA	NA	NA	NA	0.63	RLE	1.6	Not Recorded*
A5	7/25/1996	Benzo(b)fluoranthene	1 U	NA	NA	NA	NA	0.56	RLE	1.8	Not Recorded*
A5	7/25/1996	Benzo(g,h,i)perylene	1 U	NA	NA	NA	NA	0.029	RLE	34	Not Recorded*
A5	7/25/1996	Benzo(k)fluoranthene	1 U	NA	NA	NA	NA	0.57	RLE	1.8	Not Recorded*
A5	7/25/1996	Dibenz(a,h)anthracene	1 U	NA	NA	NA	NA	0.013	RLE	77	Not Recorded*
A5	7/25/1996	Indeno(1,2,3-cd)pyrene	1 U	NA	NA	NA	NA	0.033	RLE	30	Not Recorded*
A5	7/25/1996	Acenaphthene	1.5 M	960	B, NC	No	<1	9.3	No	<1	Not Recorded*
A5	7/25/1996	Manganese	2930	2200	B, NC	Yes	1.3	NA	NA	NA	SECOR 10/3/96*
A5	7/25/1996	Total Petroleum Hydrocarbons	2000	500	A	Yes	4.0	NA	NA	NA	SECOR 10/3/96*
A5	7/25/1996	Vanadium	470	110	B, NC	Yes	4.3	NA	NA	NA	SECOR 10/3/96*
A5	7/25/1996	Arsenic	80	0.058	B, Carc	Yes	1379	370	No	<1	SECOR 10/3/96*
A5	7/25/1996	Chromium	300	50	A	Yes	6.0	320	No	<1	SECOR 10/3/96*
A5	7/25/1996	<b>2-Methyl naphthalene</b>	<b>56</b>	<b>32</b>	<b>B, NC</b>	<b>Yes</b>	<b>1.8</b>	<b>31</b>	<b>Yes</b>	<b>1.8</b>	<b>Not Recorded*</b>
A5	7/25/1996	<b>bis(2-Ethylhexyl)phthalate</b>	<b>7.6</b>	<b>6.3</b>	<b>B, Carc</b>	<b>Yes</b>	<b>1.2</b>	<b>0.47</b>	<b>Yes</b>	<b>16</b>	<b>Not Recorded*</b>
A5	7/25/1996	<b>Lead</b>	<b>100</b>	<b>15</b>	<b>A</b>	<b>Yes</b>	<b>6.7</b>	<b>13</b>	<b>Yes</b>	<b>7.7</b>	<b>SECOR 10/3/96*</b>
A5	7/25/1996	Barium	670	3200	B, NC	No	<1	NA	NA	NA	SECOR 10/3/96*
A5	7/25/1996	Selenium	80	80	B, NC	No	1.0	NA	NA	NA	SECOR 10/3/96*
A5	7/25/1996	Dibenzofuran	1.8	32	B, NC	No	<1	5.1	No	<1	Not Recorded*
A5	7/25/1996	Diethylphthalate	1.8	13000	B, NC	No	<1	870	No	<1	Not Recorded*
A5	7/25/1996	Fluorene	1.7	640	B, NC	No	<1	7.0	No	<1	Not Recorded*
A5	7/25/1996	Naphthalene	13	160	A	No	<1	92	No	<1	Not Recorded*
A5	7/25/1996	<b>Copper</b>	<b>410</b>	<b>590</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>120</b>	<b>Yes</b>	<b>3.4</b>	<b>SECOR 10/3/96*</b>
A5	7/25/1996	<b>Zinc</b>	<b>3610</b>	<b>4800</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>76</b>	<b>Yes</b>	<b>48</b>	<b>SECOR 10/3/96*</b>
A5	7/25/1996	Aluminum	165200	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
A5	7/25/1996	Bismuth	150	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
A5	7/25/1996	Calcium	74430	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
A5	7/25/1996	Cobalt	90	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
A5	7/25/1996	FOG	3600	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
A5	7/25/1996	Iron	188300	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
A5	7/25/1996	Magnesium	31980	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
A5	7/25/1996	Nickel	160	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
A5	7/25/1996	Sodium	46150	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	2,4,6-Trichlorophenol	5 U	4	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
A6	7/25/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	2,4-Dimethylphenol	3 U	160	B, NC	No	<1	2.0	RLE	1.5	Not Recorded*
A6	7/25/1996	3,3'-Dichlorobenzidine	5 U	0.19	B, Carc	RLE	26	NA	NA	NA	Not Recorded*
A6	7/25/1996	Aluminum	246000	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Arsenic	70	0.058	B, Carc	Yes	1207	370	No	<1	SECOR 10/3/96*
A6	7/25/1996	Barium	990	3200	B, NC	No	<1	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Benzene	0.5 U	0.8	B, Carc	RLE	0.6	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Benzo(a)anthracene	1 U	NA	NA	NA	NA	0.63	RLE	1.6	Not Recorded*
A6	7/25/1996	Benzo(a)pyrene	1 U	0.012	B, Carc	RLE	83	0.27	RLE	3.7	Not Recorded*
A6	7/25/1996	Benzo(b)fluoranthene	1 U	NA	NA	NA	NA	0.56	RLE	1.8	Not Recorded*
A6	7/25/1996	Benzo(g,h,i)perylene	1 U	NA	NA	NA	NA	0.029	RLE	34	Not Recorded*
A6	7/25/1996	Benzo(k)fluoranthene	1 U	NA	NA	NA	NA	0.57	RLE	1.8	Not Recorded*
A6	7/25/1996	Beryllium	10	32	B, NC	No	<1	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	bis(2-chloroethyl)ether	2 U	0.04	B, Carc	RLE	50	NA	NA	NA	Not Recorded*
A6	7/25/1996	bis(2-Ethylhexyl)phthalate	1.2	6.3	B, Carc	No	<1	0.47	Yes	2.6	Not Recorded*
A6	7/25/1996	Bismuth	200	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Cadmium	10	5	A	Yes	2.0	3.4	Yes	2.9	SECOR 10/3/96*
A6	7/25/1996	Calcium	90430	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Chromium	500	50	A	Yes	10	320	Yes	1.6	SECOR 10/3/96*
A6	7/25/1996	Cobalt	140	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Copper	750	590	B, NC	Yes	1.3	120	Yes	6.3	SECOR 10/3/96*
A6	7/25/1996	Dibenz(a,h)anthracene	1 U	NA	NA	NA	NA	0.013	RLE	77	Not Recorded*
A6	7/25/1996	FOG	10000	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Hexachlorobenzene	1 U	0.055	B, Carc	RLE	18	0.029	RLE	34	Not Recorded*
A6	7/25/1996	Hexachlorobutadiene	2 U	0.56	B, Carc	RLE	3.6	6.2	No	<1	Not Recorded*
A6	7/25/1996	Indeno(1,2,3-cd)pyrene	1 U	NA	NA	NA	NA	0.033	RLE	30	Not Recorded*
A6	7/25/1996	Iron	251800	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Lead	150	15	A	Yes	10	13	Yes	12	SECOR 10/3/96*
A6	7/25/1996	Magnesium	40120	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Manganese	2480	2200	B, NC	Yes	1.1	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Mercury	50 U	2	A	RLE	25	0.0074	RLE	6757	SECOR 10/3/96*
A6	7/25/1996	Nickel	240	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Pentachlorophenol	5 U	0.73	B, Carc	RLE	6.8	10	No	<1	Not Recorded*
A6	7/25/1996	Selenium	150	80	B, NC	Yes	1.9	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Silver	10 U	80	B, NC	No	<1	1.5	RLE	6.7	SECOR 10/3/96*
A6	7/25/1996	Sodium	28560	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Toluene	9	640	B, NC	No	<1	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Total Petroleum Hydrocarbons	2000 U	500	A	RLE	4.0	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Vanadium	850	110	B, NC	Yes	7.7	NA	NA	NA	SECOR 10/3/96*
A6	7/25/1996	Zinc	2910	4800	B, NC	No	<1	76	Yes	38	SECOR 10/3/96*
<b>Former Buildings 3-360 and 3-361 and Building 3-365</b>											
DP10-15	5/22/2002	1,1,2,2-Tetrachloroethane	1.0 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Landau 7/29/02
DP10-15	5/22/2002	1,1,2-Trichloroethane	1.0 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Landau 7/29/02

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
DP10-15	5/22/2002	1,2,3-Trichloropropane	3.0 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Landau 7/29/02
DP10-15	5/22/2002	1,2,4-Trichlorobenzene	5.0 U	80	B, NC	No	<1	2.5	RLE	2.0	Landau 7/29/02
DP10-15	5/22/2002	1,2-Dibromo-3-chloropropane	5.0 U	0.031	B, Carc	RLE	161	NA	NA	NA	Landau 7/29/02
DP10-15	5/22/2002	1,2-Dichloropropane	1.0 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Landau 7/29/02
DP10-15	5/22/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP10-15	5/22/2002	Benzene	1.0 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Landau 7/29/02
DP10-15	5/22/2002	Bromodichloromethane	1.0 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Landau 7/29/02
DP10-15	5/22/2002	Carbon Tetrachloride	1.0 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Landau 7/29/02
DP10-15	5/22/2002	cis-1,2-Dichloroethene	38	80	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP10-15	5/22/2002	Dibromochloromethane	1.0 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Landau 7/29/02
DP10-15	5/22/2002	Ethylene Dibromide	1.0 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Landau 7/29/02
DP10-15	5/22/2002	Hexachlorobutadiene	5.0 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Landau 7/29/02
DP10-15	5/22/2002	Tetrachloroethene	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP10-15	5/22/2002	Trichloroethene	90	0.49	B, Carc	Yes	184	NA	NA	NA	Landau 7/29/02
DP10-15	5/22/2002	Vinyl Chloride	1.0 U	0.029	B, Carc	RLE	34	NA	NA	NA	Landau 7/29/02
DP10-30	5/22/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP10-30	5/22/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP10-30	5/22/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP10-30	5/22/2002	Carbon Disulfide	0.4	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP10-30	5/22/2002	Chloromethane	0.2	3.4	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP10-30	5/22/2002	cis-1,2-Dichloroethene	5.5	80	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP10-30	5/22/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP10-30	5/22/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP10-30	5/22/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP10-45	5/22/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP10-45	5/22/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP10-45	5/22/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP10-45	5/22/2002	Chloromethane	0.3	3.4	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP10-45	5/22/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP10-45	5/22/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP10-45	5/22/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP10-60	5/22/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP10-60	5/22/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP10-60	5/22/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP10-60	5/22/2002	Carbon Disulfide	0.5	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP10-60	5/22/2002	Chloromethane	0.2	3.4	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP10-60	5/22/2002	cis-1,2-Dichloroethene	2.9	80	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP10-60	5/22/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP10-60	5/22/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP10-60	5/22/2002	Vinyl Chloride	0.3	0.029	B, Carc	Yes	10	NA	NA	NA	Landau 7/29/02
DP11-15	5/28/2002	1,1-Dichloroethene	0.4	400	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP11-15	5/28/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP11-15	5/28/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP11-15	5/28/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP11-15	5/28/2002	cis-1,2-Dichloroethene	58	80	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP11-15	5/28/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP11-15	5/28/2002	Tetrachloroethene	1.8	0.081	B, Carc	Yes	22	NA	NA	NA	Landau 7/29/02

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
DP11-15	5/28/2002	trans-1,2-Dichloroethene	0.8	160	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP11-15	5/28/2002	Trichloroethene	170	0.49	B, Carc	Yes	347	NA	NA	NA	Landau 7/29/02
DP11-15	5/28/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP11-30	5/28/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP11-30	5/28/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP11-30	5/28/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP11-30	5/28/2002	Carbon Disulfide	0.6	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP11-30	5/28/2002	cis-1,2-Dichloroethene	4.1	80	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP11-30	5/28/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP11-30	5/28/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP11-30	5/28/2002	Trichloroethene	0.7	0.49	B, Carc	Yes	1.4	NA	NA	NA	Landau 7/29/02
DP11-30	5/28/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP11-45	5/29/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP11-45	5/29/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP11-45	5/29/2002	Acetone	2.6	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP11-45	5/29/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP11-45	5/29/2002	Carbon Disulfide	0.6	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP11-45	5/29/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP11-45	5/29/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP11-45	5/29/2002	Trichloroethene	0.6	0.49	B, Carc	Yes	1.2	NA	NA	NA	Landau 7/29/02
DP11-45	5/29/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP1-15	5/23/2002	1,1,2-Trichloroethane	0.2	0.77	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP1-15	5/23/2002	1,1-Dichloroethene	1.4	400	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP1-15	5/23/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP1-15	5/23/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP1-15	5/23/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP1-15	5/23/2002	Chloroform	0.2	7.2	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP1-15	5/23/2002	Chloromethane	0.2	3.4	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP1-15	5/23/2002	cis-1,2-Dichloroethene	310	80	B, NC	Yes	3.9	NA	NA	NA	Landau 7/29/02
DP1-15	5/23/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP1-15	5/23/2002	Tetrachloroethene	0.3 U	0.081	B, Carc	RLE	3.7	NA	NA	NA	Landau 7/29/02
DP1-15	5/23/2002	trans-1,2-Dichloroethene	4.6	160	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP1-15	5/23/2002	Trichloroethene	810	0.49	B, Carc	Yes	1653	NA	NA	NA	Landau 7/29/02
DP1-15	5/23/2002	Vinyl Chloride	0.4	0.029	B, Carc	Yes	14	NA	NA	NA	Landau 7/29/02
DP11-60	5/29/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP11-60	5/29/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP11-60	5/29/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP11-60	5/29/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP11-60	5/29/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP11-60	5/29/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP11-75	5/29/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP11-75	5/29/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP11-75	5/29/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP11-75	5/29/2002	Carbon Disulfide	0.3	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP11-75	5/29/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP11-75	5/29/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP11-75	5/29/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
DP12-15	5/28/2002	1,1-Dichloroethene	0.3	400	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP12-15	5/28/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP12-15	5/28/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP12-15	5/28/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP12-15	5/28/2002	cis-1,2-Dichloroethene	35	80	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP12-15	5/28/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP12-15	5/28/2002	Tetrachloroethene	1.5	0.081	B, Carc	Yes	19	NA	NA	NA	Landau 7/29/02
DP12-15	5/28/2002	trans-1,2-Dichloroethene	0.5	160	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP12-15	5/28/2002	Trichloroethene	110	0.49	B, Carc	Yes	224	NA	NA	NA	Landau 7/29/02
DP12-15	5/28/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP12-30	5/28/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP12-30	5/28/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP12-30	5/28/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP12-30	5/28/2002	Carbon Disulfide	0.6	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP12-30	5/28/2002	cis-1,2-Dichloroethene	2.0	80	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP12-30	5/28/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP12-30	5/28/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP12-30	5/28/2002	Trichloroethene	0.3	0.49	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP12-30	5/28/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP12-45	5/28/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP12-45	5/28/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP12-45	5/28/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP12-45	5/28/2002	Carbon Disulfide	0.8	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP12-45	5/28/2002	cis-1,2-Dichloroethene	0.9	80	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP12-45	5/28/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP12-45	5/28/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP12-45	5/28/2002	Trichloroethene	0.3	0.49	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP12-45	5/28/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP12-60	5/28/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP12-60	5/28/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP12-60	5/28/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP12-60	5/28/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP12-60	5/28/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP12-60	5/28/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP12-75	5/28/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP12-75	5/28/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP12-75	5/28/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP12-75	5/28/2002	Carbon Disulfide	0.7	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP12-75	5/28/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP12-75	5/28/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP12-75	5/28/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP12-90	5/28/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP12-90	5/28/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP12-90	5/28/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP12-90	5/28/2002	Carbon Disulfide	0.2	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP12-90	5/28/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP12-90	5/28/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
DP12-90	5/28/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP1-30	5/23/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP1-30	5/23/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP1-30	5/23/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP1-30	5/23/2002	Carbon Disulfide	0.5	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP1-30	5/23/2002	Chloromethane	0.5	3.4	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP1-30	5/23/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP1-30	5/23/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP1-30	5/23/2002	Trichloroethene	0.5	0.49	B, Carc	No	1.0	NA	NA	NA	Landau 7/29/02
DP1-30	5/23/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	1,1,1,2-Tetrachloroethane	6.0 U	1.7	B, Carc	RLE	3.5	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	1,1,2,2-Tetrachloroethane	6.0 U	0.22	B, Carc	RLE	27	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	1,1,2-Trichloroethane	6.0 U	0.77	B, Carc	RLE	7.8	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	1,2,3-Trichloropropane	15 U	0.0063	B, Carc	RLE	2381	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	1,2,4-Trichlorobenzene	15 U	80	B, NC	No	<1	2.5	RLE	6.0	Landau 7/29/02
DP13-15	5/30/2002	1,2-Dibromo-3-chloropropane	30 U	0.031	B, Carc	RLE	968	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	1,2-Dichlorobenzene	6.0 U	720	B, NC	No	<1	5.2	RLE	1.2	Landau 7/29/02
DP13-15	5/30/2002	1,2-Dichloroethane	6.0 U	0.48	B, Carc	RLE	13	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	1,2-Dichloropropane	6.0 U	0.64	B, Carc	RLE	9.4	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	1,4-Dichlorobenzene	6.0 U	1.8	B, Carc	RLE	3.3	21	No	<1	Landau 7/29/02
DP13-15	5/30/2002	Acrylonitrile	30 U	0.081	B, Carc	RLE	370	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	Benzene	6.0 U	0.8	B, Carc	RLE	7.5	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	Bromodichloromethane	6.0 U	0.71	B, Carc	RLE	8.5	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	Bromoform	6.0 U	5.5	B, Carc	RLE	1.1	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	Carbon Tetrachloride	6.0 U	0.34	B, Carc	RLE	18	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	Chloromethane	6.0 U	3.4	B, Carc	RLE	1.8	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	cis-1,2-Dichloroethene	41	80	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	Dibromochloromethane	6.0 U	0.52	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	Ethylene Dibromide	6.0 U	0.00051	B, Carc	RLE	11765	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	Hexachlorobutadiene	15 U	0.56	B, Carc	RLE	27	6.2	RLE	2.4	Landau 7/29/02
DP13-15	5/30/2002	Methylene Chloride	9.0 U	5	A	RLE	1.8	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	Styrene	6.0 U	1.5	B, Carc	RLE	4.0	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	Tetrachloroethene	6.0 U	0.081	B, Carc	RLE	74	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	Trichloroethene	270 U	0.49	B, Carc	RLE	551	NA	NA	NA	Landau 7/29/02
DP13-15	5/30/2002	Vinyl Chloride	6.0 U	0.029	B, Carc	RLE	207	NA	NA	NA	Landau 7/29/02
DP13-30	5/30/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP13-30	5/30/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP13-30	5/30/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP13-30	5/30/2002	Carbon Disulfide	0.4	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP13-30	5/30/2002	cis-1,2-Dichloroethene	0.8	80	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP13-30	5/30/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP13-30	5/30/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP13-30	5/30/2002	Trichloroethene	0.5	0.49	B, Carc	No	1.0	NA	NA	NA	Landau 7/29/02
DP13-30	5/30/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP1-45	5/23/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP1-45	5/23/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP1-45	5/23/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
DP1-45	5/23/2002	Carbon Disulfide	0.9	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP1-45	5/23/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP1-45	5/23/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP1-45	5/23/2002	Trichloroethene	0.9	0.49	B, Carc	Yes	1.8	NA	NA	NA	Landau 7/29/02
DP1-45	5/23/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP1-60	5/23/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP1-60	5/23/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP1-60	5/23/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP1-60	5/23/2002	Chloromethane	0.3	3.4	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP1-60	5/23/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP1-60	5/23/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP1-60	5/23/2002	Trichloroethene	0.2	0.49	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP1-60	5/23/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP1-75	5/23/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP1-75	5/23/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP1-75	5/23/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP1-75	5/23/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP1-75	5/23/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP1-75	5/23/2002	Trichloroethene	0.2	0.49	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP1-75	5/23/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP1-90	5/23/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP1-90	5/23/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP1-90	5/23/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP1-90	5/23/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP1-90	5/23/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP1-90	5/23/2002	Trichloroethene	0.3	0.49	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP1-90	5/23/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP2-15	5/23/2002	1,1-Dichloroethene	0.3	400	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP2-15	5/23/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP2-15	5/23/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP2-15	5/23/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP2-15	5/23/2002	cis-1,2-Dichloroethene	2.8	80	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP2-15	5/23/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP2-15	5/23/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP2-15	5/23/2002	Trichloroethene	8.9	0.49	B, Carc	Yes	18	NA	NA	NA	Landau 7/29/02
DP2-15	5/23/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP2-30	5/23/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP2-30	5/23/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP2-30	5/23/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP2-30	5/23/2002	Carbon Disulfide	0.5	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP2-30	5/23/2002	Chloromethane	0.2	3.4	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP2-30	5/23/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP2-30	5/23/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP2-30	5/23/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP2-45	5/23/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP2-45	5/23/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP2-45	5/23/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
DP2-45	5/23/2002	Carbon Disulfide	1.0	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP2-45	5/23/2002	Chloromethane	0.2	3.4	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP2-45	5/23/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP2-45	5/23/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP2-45	5/23/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP2-60	5/23/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP2-60	5/23/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP2-60	5/23/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP2-60	5/23/2002	Carbon Disulfide	0.6	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP2-60	5/23/2002	Chloromethane	0.2	3.4	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP2-60	5/23/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP2-60	5/23/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP2-60	5/23/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP2-75	5/23/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP2-75	5/23/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP2-75	5/23/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP2-75	5/23/2002	Chloromethane	0.2	3.4	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP2-75	5/23/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP2-75	5/23/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP2-75	5/23/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP2-90	5/23/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP2-90	5/23/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP2-90	5/23/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP2-90	5/23/2002	Chloromethane	0.3	3.4	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP2-90	5/23/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP2-90	5/23/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP2-90	5/23/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP3-15	5/23/2002	1,1-Dichloroethene	0.8	400	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP3-15	5/23/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP3-15	5/23/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP3-15	5/23/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP3-15	5/23/2002	cis-1,2-Dichloroethene	73	80	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP3-15	5/23/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP3-15	5/23/2002	Tetrachloroethene	0.2	0.081	B, Carc	Yes	2.5	NA	NA	NA	Landau 7/29/02
DP3-15	5/23/2002	trans-1,2-Dichloroethene	1.3	160	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP3-15	5/23/2002	Trichloroethene	130	0.49	B, Carc	Yes	265	NA	NA	NA	Landau 7/29/02
DP3-15	5/23/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP3-30	5/23/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP3-30	5/23/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP3-30	5/23/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP3-30	5/23/2002	Chloromethane	0.2	3.4	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP3-30	5/23/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP3-30	5/23/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP3-30	5/23/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP3-45	5/23/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP3-45	5/23/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP3-45	5/23/2002	Acetone	3.1 M	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
DP3-45	5/23/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP3-45	5/23/2002	Carbon Disulfide	0.4	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP3-45	5/23/2002	Chloromethane	0.3	3.4	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP3-45	5/23/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP3-45	5/23/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP3-45	5/23/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP3-60	5/24/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP3-60	5/24/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP3-60	5/24/2002	Acetone	2.5	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP3-60	5/24/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP3-60	5/24/2002	Carbon Disulfide	0.9	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP3-60	5/24/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP3-60	5/24/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP3-60	5/24/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP3-75	5/24/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP3-75	5/24/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP3-75	5/24/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP3-75	5/24/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP3-75	5/24/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP3-75	5/24/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP3-90	5/24/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP3-90	5/24/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP3-90	5/24/2002	Acetone	3.5	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP3-90	5/24/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP3-90	5/24/2002	Carbon Disulfide	0.7	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP3-90	5/24/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP3-90	5/24/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP3-90	5/24/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP4-15	5/24/2002	1,1-Dichloroethene	0.6	400	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP4-15	5/24/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP4-15	5/24/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP4-15	5/24/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP4-15	5/24/2002	cis-1,2-Dichloroethene	27	80	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP4-15	5/24/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP4-15	5/24/2002	Tetrachloroethene	0.3	0.081	B, Carc	Yes	3.7	NA	NA	NA	Landau 7/29/02
DP4-15	5/24/2002	trans-1,2-Dichloroethene	2.0	160	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP4-15	5/24/2002	Trichloroethene	100	0.49	B, Carc	Yes	204	NA	NA	NA	Landau 7/29/02
DP4-15	5/24/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP4-30	5/24/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP4-30	5/24/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP4-30	5/24/2002	Acetone	2.3 M	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP4-30	5/24/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP4-30	5/24/2002	Carbon Disulfide	0.4	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP4-30	5/24/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP4-30	5/24/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP4-30	5/24/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP4-45	5/24/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
DP4-45	5/24/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP4-45	5/24/2002	Acetone	1.9	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP4-45	5/24/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP4-45	5/24/2002	Carbon Disulfide	0.6	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP4-45	5/24/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP4-45	5/24/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP4-45	5/24/2002	Trichloroethene	0.4	0.49	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP4-45	5/24/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP4-60	5/24/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP4-60	5/24/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP4-60	5/24/2002	Acetone	2.0	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP4-60	5/24/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP4-60	5/24/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP4-60	5/24/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP4-60	5/24/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP4-75	5/24/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP4-75	5/24/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP4-75	5/24/2002	Acetone	3.0	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP4-75	5/24/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP4-75	5/24/2002	Carbon Disulfide	0.8	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP4-75	5/24/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP4-75	5/24/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP4-75	5/24/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP5-15	5/24/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP5-15	5/24/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP5-15	5/24/2002	Acetone	1.2 M	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP5-15	5/24/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP5-15	5/24/2002	Carbon Disulfide	0.3	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP5-15	5/24/2002	Chloroform	0.2	7.2	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP5-15	5/24/2002	cis-1,2-Dichloroethene	4.1	80	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP5-15	5/24/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP5-15	5/24/2002	Tetrachloroethene	0.2	0.081	B, Carc	Yes	2.5	NA	NA	NA	Landau 7/29/02
DP5-15	5/24/2002	trans-1,2-Dichloroethene	0.2	160	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP5-15	5/24/2002	Trichloroethene	28	0.49	B, Carc	Yes	57	NA	NA	NA	Landau 7/29/02
DP5-15	5/24/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP5-30	5/24/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP5-30	5/24/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP5-30	5/24/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP5-30	5/24/2002	Carbon Disulfide	0.5	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP5-30	5/24/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP5-30	5/24/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP5-30	5/24/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP5-45	5/28/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP5-45	5/28/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP5-45	5/28/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP5-45	5/28/2002	Carbon Disulfide	0.2	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP5-45	5/28/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
DP5-45	5/28/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP5-45	5/28/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP5-60	5/28/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP5-60	5/28/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP5-60	5/28/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP5-60	5/28/2002	Carbon Disulfide	0.4	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP5-60	5/28/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP5-60	5/28/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP5-60	5/28/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP5-75	5/28/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP5-75	5/28/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP5-75	5/28/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP5-75	5/28/2002	Carbon Disulfide	0.4	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP5-75	5/28/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP5-75	5/28/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP5-75	5/28/2002	Trichloroethene	0.2	0.49	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP5-75	5/28/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP5-90	5/28/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP5-90	5/28/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP5-90	5/28/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP5-90	5/28/2002	Carbon Disulfide	0.8	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP5-90	5/28/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP5-90	5/28/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP5-90	5/28/2002	Trichloroethene	0.4	0.49	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP5-90	5/28/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP6-15	5/29/2002	1,1-Dichloroethene	0.5 J	400	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP6-15	5/29/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP6-15	5/29/2002	1,2-Dibromo-3-chloropropane	1.0 UJ	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP6-15	5/29/2002	Acrylonitrile	1.0 UJ	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP6-15	5/29/2002	cis-1,2-Dichloroethene	44	80	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP6-15	5/29/2002	Ethylene Dibromide	0.2 UJ	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP6-15	5/29/2002	Tetrachloroethene	0.4 J	0.081	B, Carc	Yes	4.9	NA	NA	NA	Landau 7/29/02
DP6-15	5/29/2002	trans-1,2-Dichloroethene	1.1 J	160	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP6-15	5/29/2002	Trichloroethene	160	0.49	B, Carc	Yes	327	NA	NA	NA	Landau 7/29/02
DP6-15	5/29/2002	Vinyl Chloride	0.2 UJ	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP6-30	5/29/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP6-30	5/29/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP6-30	5/29/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP6-30	5/29/2002	Carbon Disulfide	0.6	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP6-30	5/29/2002	cis-1,2-Dichloroethene	12	80	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP6-30	5/29/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP6-30	5/29/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP6-30	5/29/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP6-45	5/29/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP6-45	5/29/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP6-45	5/29/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP6-45	5/29/2002	Carbon Disulfide	0.4	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
DP6-45	5/29/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP6-45	5/29/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP6-45	5/29/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP6-60	5/29/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP6-60	5/29/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP6-60	5/29/2002	Acetone	1.4 M	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP6-60	5/29/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP6-60	5/29/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP6-60	5/29/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP6-60	5/29/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP6-75	5/29/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP6-75	5/29/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP6-75	5/29/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP6-75	5/29/2002	Carbon Disulfide	0.2	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP6-75	5/29/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP6-75	5/29/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP6-75	5/29/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP6-90	5/29/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP6-90	5/29/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP6-90	5/29/2002	Acetone	1.6	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP6-90	5/29/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP6-90	5/29/2002	Carbon Disulfide	0.6	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP6-90	5/29/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP6-90	5/29/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP6-90	5/29/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP7-15	5/29/2002	1,1,1-Trichloroethane	12	200	A	No	<1	NA	NA	NA	Landau 7/29/02
DP7-15	5/29/2002	1,1-Dichloroethane	2.2	1600	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP7-15	5/29/2002	1,1-Dichloroethene	1.0	400	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP7-15	5/29/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP7-15	5/29/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP7-15	5/29/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP7-15	5/29/2002	Chloroform	0.3	7.2	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP7-15	5/29/2002	cis-1,2-Dichloroethene	120	80	B, NC	Yes	1.5	NA	NA	NA	Landau 7/29/02
DP7-15	5/29/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP7-15	5/29/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP7-15	5/29/2002	trans-1,2-Dichloroethene	2.9	160	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP7-15	5/29/2002	Trichloroethene	410	0.49	B, Carc	Yes	837	NA	NA	NA	Landau 7/29/02
DP7-15	5/29/2002	Vinyl Chloride	0.2	0.029	B, Carc	Yes	6.9	NA	NA	NA	Landau 7/29/02
DP7-30	5/29/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP7-30	5/29/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP7-30	5/29/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP7-30	5/29/2002	Carbon Disulfide	0.4	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP7-30	5/29/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP7-30	5/29/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP7-30	5/29/2002	Trichloroethene	0.3	0.49	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP7-30	5/29/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP7-45	5/29/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
DP7-45	5/29/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP7-45	5/29/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP7-45	5/29/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP7-45	5/29/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP7-45	5/29/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP7-60	5/30/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP7-60	5/30/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP7-60	5/30/2002	Acetone	1.4	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP7-60	5/30/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP7-60	5/30/2002	Carbon Disulfide	0.4	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP7-60	5/30/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP7-60	5/30/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP7-60	5/30/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP7-75	5/30/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP7-75	5/30/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP7-75	5/30/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP7-75	5/30/2002	Carbon Disulfide	1.0	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP7-75	5/30/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP7-75	5/30/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP7-75	5/30/2002	Vinyl Chloride	1.2	0.029	B, Carc	Yes	41	NA	NA	NA	Landau 7/29/02
DP7-90	5/30/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP7-90	5/30/2002	1,2-Dibromo-3-chloropropane	1 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP7-90	5/30/2002	Acetone	1.4	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP7-90	5/30/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP7-90	5/30/2002	Carbon Disulfide	0.5	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP7-90	5/30/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP7-90	5/30/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP7-90	5/30/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP8-15	5/30/2002	1,1-Dichloroethane	0.2	1600	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP8-15	5/30/2002	1,1-Dichloroethene	0.5	400	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP8-15	5/30/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP8-15	5/30/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP8-15	5/30/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP8-15	5/30/2002	cis-1,2-Dichloroethene	67	80	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP8-15	5/30/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP8-15	5/30/2002	Tetrachloroethene	0.3	0.081	B, Carc	Yes	3.7	NA	NA	NA	Landau 7/29/02
DP8-15	5/30/2002	trans-1,2-Dichloroethene	1.2	160	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP8-15	5/30/2002	Trichloroethene	95	0.49	B, Carc	Yes	194	NA	NA	NA	Landau 7/29/02
DP8-15	5/30/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP8-30	5/30/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP8-30	5/30/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP8-30	5/30/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP8-30	5/30/2002	Carbon Disulfide	0.6	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP8-30	5/30/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP8-30	5/30/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP8-30	5/30/2002	Trichloroethene	0.7	0.49	B, Carc	Yes	1.4	NA	NA	NA	Landau 7/29/02
DP8-30	5/30/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
DP8-45	5/30/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP8-45	5/30/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP8-45	5/30/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP8-45	5/30/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP8-45	5/30/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP8-45	5/30/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP8-60	5/30/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP8-60	5/30/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP8-60	5/30/2002	Acetone	1.6	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP8-60	5/30/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP8-60	5/30/2002	Carbon Disulfide	1.1	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP8-60	5/30/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP8-60	5/30/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP8-60	5/30/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP8-75	5/30/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP8-75	5/30/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP8-75	5/30/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP8-75	5/30/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP8-75	5/30/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP8-75	5/30/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP8-90	5/30/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP8-90	5/30/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP8-90	5/30/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP8-90	5/30/2002	Carbon Disulfide	0.3	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP8-90	5/30/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP8-90	5/30/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP8-90	5/30/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP9-15	5/20/2002	1,1,2,2-Tetrachloroethane	1.0 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Landau 7/29/02
DP9-15	5/20/2002	1,1,2-Trichloroethane	1.0 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Landau 7/29/02
DP9-15	5/20/2002	1,2,3-Trichloropropane	3.0 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Landau 7/29/02
DP9-15	5/20/2002	1,2,4-Trichlorobenzene	5.0 U	80	B, NC	No	<1	2.5	RLE	2.0	Landau 7/29/02
DP9-15	5/20/2002	1,2-Dibromo-3-chloropropane	5.0 U	0.031	B, Carc	RLE	161	NA	NA	NA	Landau 7/29/02
DP9-15	5/20/2002	1,2-Dichloropropane	1.0 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Landau 7/29/02
DP9-15	5/20/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP9-15	5/20/2002	Benzene	1.0 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Landau 7/29/02
DP9-15	5/20/2002	Bromodichloromethane	1.0 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Landau 7/29/02
DP9-15	5/20/2002	Carbon Tetrachloride	1.0 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Landau 7/29/02
DP9-15	5/20/2002	cis-1,2-Dichloroethene	43	80	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP9-15	5/20/2002	Dibromochloromethane	1.0 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Landau 7/29/02
DP9-15	5/20/2002	Ethylene Dibromide	1.0 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Landau 7/29/02
DP9-15	5/20/2002	Hexachlorobutadiene	5.0 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Landau 7/29/02
DP9-15	5/20/2002	Tetrachloroethene	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP9-15	5/20/2002	trans-1,2-Dichloroethene	1.4	160	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP9-15	5/20/2002	Trichloroethene	45 U	0.49	B, Carc	RLE	92	NA	NA	NA	Landau 7/29/02
DP9-15	5/20/2002	Vinyl Chloride	1.0 U	0.029	B, Carc	RLE	34	NA	NA	NA	Landau 7/29/02
DP9-30	5/20/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP9-30	5/20/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
DP9-30	5/20/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP9-30	5/20/2002	Chloromethane	0.2	3.4	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP9-30	5/20/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP9-30	5/20/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP9-30	5/20/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP9-45	5/20/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP9-45	5/20/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP9-45	5/20/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP9-45	5/20/2002	Chloromethane	0.2	3.4	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP9-45	5/20/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP9-45	5/20/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP9-45	5/20/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP9-60	5/22/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP9-60	5/22/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP9-60	5/22/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP9-60	5/22/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP9-60	5/22/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP9-60	5/22/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP9-74	5/21/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP9-74	5/21/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP9-74	5/21/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP9-74	5/21/2002	Carbon Disulfide	0.5	800	B, NC	No	<1	NA	NA	NA	Landau 7/29/02
DP9-74	5/21/2002	Chloromethane	0.4	3.4	B, Carc	No	<1	NA	NA	NA	Landau 7/29/02
DP9-74	5/21/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP9-74	5/21/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP9-74	5/21/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
DP9-90	5/22/2002	1,2,3-Trichloropropane	0.5 U	0.0063	B, Carc	RLE	79	NA	NA	NA	Landau 7/29/02
DP9-90	5/22/2002	1,2-Dibromo-3-chloropropane	1.0 U	0.031	B, Carc	RLE	32	NA	NA	NA	Landau 7/29/02
DP9-90	5/22/2002	Acrylonitrile	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Landau 7/29/02
DP9-90	5/22/2002	Ethylene Dibromide	0.2 U	0.00051	B, Carc	RLE	392	NA	NA	NA	Landau 7/29/02
DP9-90	5/22/2002	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Landau 7/29/02
DP9-90	5/22/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Landau 7/29/02
NGW201/MW-1	11/20/1991	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SEACOR 2/14/92*
NGW201/MW-1	11/20/1991	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	SEACOR 2/14/92*
NGW201/MW-1	11/20/1991	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	SEACOR 2/14/92*
NGW201/MW-1	11/20/1991	1,2-Dichloroethene, total	38	72	B, NC	No	<1	NA	NA	NA	SEACOR 2/14/92*
NGW201/MW-1	11/20/1991	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	SEACOR 2/14/92*
NGW201/MW-1	11/20/1991	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SEACOR 2/14/92*
NGW201/MW-1	11/20/1991	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SEACOR 2/14/92*
NGW201/MW-1	11/20/1991	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	SEACOR 2/14/92*
NGW201/MW-1	11/20/1991	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	SEACOR 2/14/92*
NGW201/MW-1	11/20/1991	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SEACOR 2/14/92*
NGW201/MW-1	11/20/1991	Tetrachloroethene	5	0.081	B, Carc	Yes	62	NA	NA	NA	SEACOR 2/14/92*
NGW201/MW-1	11/20/1991	Total Petroleum Hydrocarbons	1400	500	A	Yes	2.8	NA	NA	NA	SEACOR 2/14/92*
NGW201/MW-1	11/20/1991	Trichloroethene	1000	0.49	B, Carc	Yes	2041	NA	NA	NA	SEACOR 2/14/92*
NGW201/MW-1	11/20/1991	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	SEACOR 2/14/92*
NGW201/MW-1	7/23/1993	1,1,2-Trichloro-1,2,2-trifluoroethane	2.6	240000	B, NC	No	<1	NA	NA	NA	SEACOR 2/9/96*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
NGW201/MW-1	7/23/1993	Arsenic	5	0.058	B, Carc	Yes	86	370	No	<1	SECOR 2/9/96*
NGW201/MW-1	7/23/1993	Cadmium	5	5	A	No	1.0	3.4	Yes	1.5	SECOR 2/9/96*
NGW201/MW-1	7/23/1993	cis-1,2-Dichloroethene	1.2	80	B, NC	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW201/MW-1	7/23/1993	Lead	1	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW201/MW-1	7/23/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW201/MW-1	7/23/1993	Methylene Chloride	3.2	5	A	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW201/MW-1	7/23/1993	Tetrachloroethene	1	0.081	B, Carc	Yes	12	NA	NA	NA	SECOR 2/9/96*
NGW201/MW-1	7/23/1993	Trichloroethene	12	0.49	B, Carc	Yes	24	NA	NA	NA	SECOR 2/9/96*
NGW201/MW-1	7/23/1993	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	SECOR 2/9/96*
NGW201/MW-1	10/27/1993	1,1-Dichloroethene	1.2	400	B, NC	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW201/MW-1	10/27/1993	Arsenic	10	0.058	B, Carc	Yes	172	370	No	<1	SECOR 2/9/96*
NGW201/MW-1	10/27/1993	Chloroform	1	7.2	B, Carc	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW201/MW-1	10/27/1993	Chromium	15	50	A	No	<1	320	No	<1	SECOR 2/9/96*
NGW201/MW-1	10/27/1993	cis-1,2-Dichloroethene	15	80	B, NC	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW201/MW-1	10/27/1993	Lead	4	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW201/MW-1	10/27/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW201/MW-1	10/27/1993	Tetrachloroethene	1.8	0.081	B, Carc	Yes	22	NA	NA	NA	SECOR 2/9/96*
NGW201/MW-1	10/27/1993	Trichloroethene	280	0.49	B, Carc	Yes	571	NA	NA	NA	SECOR 2/9/96*
NGW201/MW-1	10/27/1993	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	SECOR 2/9/96*
NGW201/MW-1	1/25/1994	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	SECOR 2/9/96*
NGW201/MW-1	1/25/1994	cis-1,2-Dichloroethene	14	80	B, NC	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW201/MW-1	1/25/1994	Lead	1	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW201/MW-1	1/25/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW201/MW-1	1/25/1994	Tetrachloroethene	1.5	0.081	B, Carc	Yes	19	NA	NA	NA	SECOR 2/9/96*
NGW201/MW-1	1/25/1994	Trichloroethene	240	0.49	B, Carc	Yes	490	NA	NA	NA	SECOR 2/9/96*
NGW201/MW-1	1/25/1994	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	SECOR 2/9/96*
NGW201/MW-1	4/20/1994	1,1,1,2-Tetrachloroethane	2 U	1.7	B, Carc	RLE	1.2	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	1,1,2,2-Tetrachloroethane	2 U	0.22	B, Carc	RLE	9.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	1,1,2-Trichloroethane	2 U	0.77	B, Carc	RLE	2.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	1,2,3-Trichloropropane	2 U	0.0063	B, Carc	RLE	317	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	1,2,4-Trichlorobenzene	10 U	80	B, NC	No	<1	2.5	RLE	4.0	Not Recorded*
NGW201/MW-1	4/20/1994	1,2-Dibromo-3-chloropropane	10 U	0.031	B, Carc	RLE	323	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	1,2-Dichloroethane	2 U	0.48	B, Carc	RLE	4.2	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	1,2-Dichloropropane	2 U	0.64	B, Carc	RLE	3.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	1,4-Dichlorobenzene	2 U	1.8	B, Carc	RLE	1.1	21	No	<1	Not Recorded*
NGW201/MW-1	4/20/1994	Acrylonitrile	10 U	0.081	B, Carc	RLE	123	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	Arsenic	7	0.058	B, Carc	Yes	121	370	No	<1	SECOR 2/9/96*
NGW201/MW-1	4/20/1994	Benzene	2 U	0.8	B, Carc	RLE	2.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	Bromodichloromethane	2 U	0.71	B, Carc	RLE	2.8	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	Carbon Tetrachloride	2 U	0.34	B, Carc	RLE	5.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	Chloromethane	4 U	3.4	B, Carc	RLE	1.2	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	cis-1,2-Dichloroethene	25	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	Dibromochloromethane	2 U	0.52	B, Carc	RLE	3.8	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	Ethylene Dibromide	2 U	0.00051	B, Carc	RLE	3922	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	Hexachlorobutadiene	10 U	0.56	B, Carc	RLE	18	6.2	RLE	1.6	Not Recorded*
NGW201/MW-1	4/20/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW201/MW-1	4/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW201/MW-1	4/20/1994	Methylene Chloride	4.8 B	5	A	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	Styrene	2 U	1.5	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	Tetrachloroethene	2 U	0.081	B, Carc	RLE	25	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	Trichloroethene	280	0.49	B, Carc	Yes	571	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	4/20/1994	Vinyl Chloride	4 U	0.029	B, Carc	RLE	138	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/20/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/20/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/20/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/20/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/20/1994	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 2/9/96*
NGW201/MW-1	7/20/1994	Arsenic	10	0.058	B, Carc	Yes	172	370	No	<1	SECOR 2/9/96*
NGW201/MW-1	7/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/20/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/20/1994	Cadmium	6	5	A	Yes	1.2	3.4	Yes	1.8	SECOR 2/9/96*
NGW201/MW-1	7/20/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/20/1994	Chromium	9	50	A	No	<1	320	No	<1	SECOR 2/9/96*
NGW201/MW-1	7/20/1994	cis-1,2-Dichloroethene	5.1	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/20/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/20/1994	Lead	4	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW201/MW-1	7/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW201/MW-1	7/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW201/MW-1	7/20/1994	Tetrachloroethene	1	0.081	B, Carc	Yes	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/20/1994	Trichloroethene	90	0.49	B, Carc	Yes	184	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/20/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/20/1994	Vinyl Chloride	0.064	0.029	B, Carc	Yes	2.2	NA	NA	NA	Not Recorded*
NGW201/MW-1	10/24/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	10/24/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	10/24/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	10/24/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	10/24/1994	Acetone	11 B	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	10/24/1994	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 2/9/96*
NGW201/MW-1	10/24/1994	Arsenic	14	0.058	B, Carc	Yes	241	370	No	<1	SECOR 2/9/96*
NGW201/MW-1	10/24/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	10/24/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	10/24/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	10/24/1994	Chromium	17	50	A	No	<1	320	No	<1	SECOR 2/9/96*
NGW201/MW-1	10/24/1994	cis-1,2-Dichloroethene	8.1	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	10/24/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	10/24/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW201/MW-1	10/24/1994	Lead	6	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW201/MW-1	10/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW201/MW-1	10/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW201/MW-1	10/24/1994	Tetrachloroethene	1.8	0.081	B, Carc	Yes	22	NA	NA	NA	Not Recorded*
NGW201/MW-1	10/24/1994	Trichloroethene	120	0.49	B, Carc	Yes	245	NA	NA	NA	Not Recorded*
NGW201/MW-1	10/24/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW201/MW-1	10/24/1994	Vinyl Chloride	0.079	0.029	B, Carc	Yes	2.7	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW201/MW-1	1/24/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/24/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/24/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/24/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/24/1995	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 2/9/96*
NGW201/MW-1	1/24/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/24/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/24/1995	Cadmium	2	5	A	No	<1	3.4	No	<1	SECOR 2/9/96*
NGW201/MW-1	1/24/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/24/1995	cis-1,2-Dichloroethene	12	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/24/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/24/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW201/MW-1	1/24/1995	Tetrachloroethene	1.2	0.081	B, Carc	Yes	15	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/24/1995	Trichloroethene	160	0.49	B, Carc	Yes	327	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/24/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/24/1995	Vinyl Chloride	0.075	0.029	B, Carc	Yes	2.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	5/11/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	5/11/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	5/11/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	5/11/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	5/11/1995	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW201/MW-1	5/11/1995	Arsenic	45	0.058	B, Carc	Yes	776	370	No	<1	Not Recorded*
NGW201/MW-1	5/11/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	5/11/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	5/11/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	5/11/1995	Chromium	26	50	A	No	<1	320	No	<1	Not Recorded*
NGW201/MW-1	5/11/1995	cis-1,2-Dichloroethene	33	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	5/11/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	5/11/1995	Lead	7	15	A	No	<1	13	No	<1	Not Recorded*
NGW201/MW-1	5/11/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW201/MW-1	5/11/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW201/MW-1	5/11/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	5/11/1995	Trichloroethene	150	0.49	B, Carc	Yes	306	NA	NA	NA	Not Recorded*
NGW201/MW-1	5/11/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW201/MW-1	5/11/1995	Vinyl Chloride	0.091	0.029	B, Carc	Yes	3.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	9/14/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	9/14/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	9/14/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	9/14/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	9/14/1995	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW201/MW-1	9/14/1995	Arsenic	38	0.058	B, Carc	Yes	655	370	No	<1	Not Recorded*
NGW201/MW-1	9/14/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	9/14/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	9/14/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	9/14/1995	Chromium	16	50	A	No	<1	320	No	<1	Not Recorded*
NGW201/MW-1	9/14/1995	cis-1,2-Dichloroethene	32	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	9/14/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW201/MW-1	9/14/1995	Lead	5	15	A	No	<1	13	No	<1	Not Recorded*
NGW201/MW-1	9/14/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW201/MW-1	9/14/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW201/MW-1	9/14/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	9/14/1995	Trichloroethene	120	0.49	B, Carc	Yes	245	NA	NA	NA	Not Recorded*
NGW201/MW-1	9/14/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW201/MW-1	9/14/1995	Vinyl Chloride	0.052	0.029	B, Carc	Yes	1.8	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/20/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/20/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/20/1996	1,1-Dichloroethene	1.5	400	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/20/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/20/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/20/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/20/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/20/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/20/1996	cis-1,2-Dichloroethene	73	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/20/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/20/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/20/1996	Trichloroethene	170	0.49	B, Carc	Yes	347	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/20/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/20/1996	Vinyl Chloride	0.083	0.029	B, Carc	Yes	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/14/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/14/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/14/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/14/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/14/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/14/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/14/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/14/1997	cis-1,2-Dichloroethene	86	80	B, NC	Yes	1.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/14/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/14/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/14/1997	Trichloroethene	140	0.49	B, Carc	Yes	286	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/14/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW201/MW-1	3/14/1997	Vinyl Chloride	0.089	0.029	B, Carc	Yes	3.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/26/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/26/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/26/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/26/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/26/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/26/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/26/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/26/1997	cis-1,2-Dichloroethene	72	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/26/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/26/1997	Tetrachloroethene	1.1	0.081	B, Carc	Yes	14	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/26/1997	Trichloroethene	160	0.49	B, Carc	Yes	327	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/26/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/26/1997	Vinyl Chloride	0.12	0.029	B, Carc	Yes	4.1	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW201/MW-1	2/23/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/23/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/23/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/23/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/23/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/23/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/23/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/23/1998	cis-1,2-Dichloroethene	78	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/23/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/23/1998	Tetrachloroethene	1.3	0.081	B, Carc	Yes	16	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/23/1998	trans-1,2-Dichloroethene	1.2	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/23/1998	Trichloroethene	180	0.49	B, Carc	Yes	367	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/23/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	cis-1,2-Dichloroethene	88	80	B, NC	Yes	1.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	cis-1,2-Dichloroethene	60	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	trans-1,2-Dichloroethene	1.2	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	trans-1,2-Dichloroethene	1.4	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Trichloroethene	140	0.49	B, Carc	Yes	286	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Trichloroethene	210	0.49	B, Carc	Yes	429	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Vinyl Chloride	0.12	0.029	B, Carc	Yes	4.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/27/1998	Vinyl Chloride	0.13	0.029	B, Carc	Yes	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/19/1999	1,2,3-Trichloropropane	1 U	0.0063	B, Carc	RLE	159	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/19/1999	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW201/MW-1	1/19/1999	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW201/MW-1	1/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/19/1999	Acrylonitrile	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/19/1999	cis-1,2-Dichloroethene	44	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/19/1999	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/19/1999	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW201/MW-1	1/19/1999	MEK (2-Butanone)	12	4800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/19/1999	Trichloroethene	89	0.49	B, Carc	Yes	182	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/19/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW201/MW-1	1/19/1999	Vinyl Chloride	0.07	0.029	B, Carc	Yes	2.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/19/1999	cis-1,2-Dichloroethene	66	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/19/1999	Trichloroethene	120	0.49	B, Carc	Yes	245	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/19/1999	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/19/1999	Vinyl Chloride	0.058	0.029	B, Carc	Yes	2.0	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	cis-1,2-Dichloroethene	73	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	cis-1,2-Dichloroethene	76	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
NGW201/MW-1	2/22/2000	trans-1,2-Dichloroethene	1.2	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	trans-1,2-Dichloroethene	1.2	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	Trichloroethene	130	0.49	B, Carc	Yes	265	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	Trichloroethene	130	0.49	B, Carc	Yes	265	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	Vinyl Chloride	0.054	0.029	B, Carc	Yes	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/22/2000	Vinyl Chloride	0.055	0.029	B, Carc	Yes	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/25/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/25/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/25/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/25/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/25/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/25/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/25/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/25/2000	cis-1,2-Dichloroethene	44	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/25/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/25/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/25/2000	Trichloroethene	73	0.49	B, Carc	Yes	149	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/25/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/25/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/20/2001	cis-1,2-Dichloroethene	52	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/20/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/20/2001	Trichloroethene	92	0.49	B, Carc	Yes	188	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/20/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/20/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/21/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/21/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/21/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/21/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/21/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/21/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/21/2001	cis-1,2-Dichloroethene	53	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/21/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/21/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/21/2001	Trichloroethene	84	0.49	B, Carc	Yes	171	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/21/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/21/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW201/MW-1	2/19/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2002	cis-1,2-Dichloroethene	50	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2002	Trichloroethene	77	0.49	B, Carc	Yes	157	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW201/MW-1	8/20/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2002	cis-1,2-Dichloroethene	78	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW201/MW-1	8/20/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2002	trans-1,2-Dichloroethene	1.4	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2002	Trichloroethene	86	0.49	B, Carc	Yes	176	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW201/MW-1	2/18/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW201/MW-1	2/18/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
NGW201/MW-1	2/18/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	cis-1,2-Dichloroethene	34	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	cis-1,2-Dichloroethene	40	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW201/MW-1	2/18/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW201/MW-1	2/18/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	Trichloroethene	54	0.49	B, Carc	Yes	110	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	Trichloroethene	71	0.49	B, Carc	Yes	145	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/18/2003	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW201/MW-1	7/15/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW201/MW-1	7/15/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	cis-1,2-Dichloroethene	58	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	cis-1,2-Dichloroethene	68	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW201/MW-1	7/15/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW201/MW-1	7/15/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW201/MW-1	7/15/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	trans-1,2-Dichloroethene	1	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	trans-1,2-Dichloroethene	1.4	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	Trichloroethene	52	0.49	B, Carc	Yes	106	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	Trichloroethene	72	0.49	B, Carc	Yes	147	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW201/MW-1	7/15/2003	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/10/2004	cis-1,2-Dichloroethene	85	80	B, NC	Yes	1.1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/10/2004	Trichloroethene	67	0.49	B, Carc	Yes	137	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/10/2004	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/9/2004	cis-1,2-Dichloroethene	100	80	B, NC	Yes	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/9/2004	Trichloroethene	75	0.49	B, Carc	Yes	153	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/9/2004	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/7/2005	cis-1,2-Dichloroethene	66	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/7/2005	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/7/2005	Trichloroethene	39	0.49	B, Carc	Yes	80	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/7/2005	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/18/2005	cis-1,2-Dichloroethene	180	80	B, NC	Yes	2.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/18/2005	Trichloroethene	36	0.49	B, Carc	Yes	73	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/18/2005	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/21/2006	cis-1,2-Dichloroethene	100	80	B, NC	Yes	1.3	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/21/2006	Trichloroethene	31	0.49	B, Carc	Yes	63	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/21/2006	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/14/2006	cis-1,2-Dichloroethene	120 U	80	B, NC	RLE	1.5	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/14/2006	Trichloroethene	44 U	0.49	B, Carc	RLE	90	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/14/2006	Vinyl Chloride	1	0.029	B, Carc	Yes	34	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/20/2007	cis-1,2-Dichloroethene	60	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/20/2007	Trichloroethene	25	0.49	B, Carc	Yes	51	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/20/2007	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/22/2007	cis-1,2-Dichloroethene	57	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/22/2007	Trichloroethene	49	0.49	B, Carc	Yes	100	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/22/2007	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2008	cis-1,2-Dichloroethene	55	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2008	cis-1,2-Dichloroethene	58	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2008	Trichloroethene	28	0.49	B, Carc	Yes	57	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2008	Trichloroethene	30	0.49	B, Carc	Yes	61	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2008	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW201/MW-1	2/19/2008	Vinyl Chloride	0.6 U	0.029	B, Carc	RLE	21	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2008	cis-1,2-Dichloroethene	65	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2008	Trichloroethene	29	0.49	B, Carc	Yes	59	NA	NA	NA	Not Recorded*
NGW201/MW-1	8/20/2008	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW202/MW-2	11/20/1991	1,1,1,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SEACOR 2/14/92*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW202/MW-2	11/20/1991	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	Antimony	50 U	6.4	B, NC	RLE	7.8	370	No	<1	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	Aroclor 1254	1 U	0.32	B, NC	RLE	3.1	0.86	RLE	1.2	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	Aroclor 1260	1 U	NA	NA	NA	NA	0.31	RLE	3.2	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	Arsenic	5 U	0.058	B, Carc	RLE	86	370	No	<1	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	Copper	11	590	B, NC	No	<1	120	No	<1	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	Mercury	0.4 U	2	A	No	<1	0.0074	RLE	54	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	Methylene Chloride	5 JB	5	A	No	1.0	NA	NA	NA	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	Silver	5 U	80	B, NC	No	<1	1.5	RLE	3.3	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	Total Petroleum Hydrocarbons	1000	500	A	Yes	2.0	NA	NA	NA	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	SEACOR 2/14/92*
NGW202/MW-2	11/20/1991	Zinc	12	4800	B, NC	No	<1	76	No	<1	SEACOR 2/14/92*
NGW202/MW-2	7/23/1993	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	SECOR 2/9/96*
NGW202/MW-2	7/23/1993	Cadmium	5	5	A	No	1.0	3.4	Yes	1.5	SECOR 2/9/96*
NGW202/MW-2	7/23/1993	Chloroform	0.8 J	7.2	B, Carc	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW202/MW-2	7/23/1993	cis-1,2-Dichloroethene	0.5 J	80	B, NC	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW202/MW-2	7/23/1993	Lead	2	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW202/MW-2	7/23/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW202/MW-2	7/23/1993	Methylene Chloride	11	5	A	Yes	2.2	NA	NA	NA	SECOR 2/9/96*
NGW202/MW-2	7/23/1993	Tetrachloroethene	4.1	0.081	B, Carc	Yes	51	NA	NA	NA	SECOR 2/9/96*
NGW202/MW-2	7/23/1993	Trichloroethene	7.5	0.49	B, Carc	Yes	15	NA	NA	NA	SECOR 2/9/96*
NGW202/MW-2	7/23/1993	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	SECOR 2/9/96*
NGW202/MW-2	10/27/1993	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 2/9/96*
NGW202/MW-2	10/27/1993	Cadmium	5	5	A	No	1.0	3.4	Yes	1.5	SECOR 2/9/96*
NGW202/MW-2	10/27/1993	Lead	2	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW202/MW-2	10/27/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW202/MW-2	10/27/1993	Tetrachloroethene	1.1	0.081	B, Carc	Yes	14	NA	NA	NA	SECOR 2/9/96*
NGW202/MW-2	10/27/1993	Trichloroethene	2	0.49	B, Carc	Yes	4.1	NA	NA	NA	SECOR 2/9/96*
NGW202/MW-2	10/27/1993	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	SECOR 2/9/96*
NGW202/MW-2	1/25/1994	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	SECOR 2/9/96*
NGW202/MW-2	1/25/1994	Chloroform	1.1	7.2	B, Carc	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW202/MW-2	1/25/1994	cis-1,2-Dichloroethene	1.1	80	B, NC	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW202/MW-2	1/25/1994	Lead	3	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW202/MW-2	1/25/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW202/MW-2	1/25/1994	Tetrachloroethene	4.7	0.081	B, Carc	Yes	58	NA	NA	NA	SECOR 2/9/96*
NGW202/MW-2	1/25/1994	Trichloroethene	7.8	0.49	B, Carc	Yes	16	NA	NA	NA	SECOR 2/9/96*
NGW202/MW-2	1/25/1994	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	SECOR 2/9/96*
NGW202/MW-2	4/20/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW202/MW-2	4/20/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	4/20/1994	1,2,3-Trichloropropane	1 U	0.0063	B, Carc	RLE	159	NA	NA	NA	Not Recorded*
NGW202/MW-2	4/20/1994	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW202/MW-2	4/20/1994	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW202/MW-2	4/20/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	4/20/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	4/20/1994	Acrylonitrile	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	Not Recorded*
NGW202/MW-2	4/20/1994	Arsenic	5	0.058	B, Carc	Yes	86	370	No	<1	SECOR 2/9/96*
NGW202/MW-2	4/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	4/20/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	4/20/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	4/20/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	4/20/1994	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW202/MW-2	4/20/1994	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW202/MW-2	4/20/1994	Lead	1	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW202/MW-2	4/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW202/MW-2	4/20/1994	Methylene Chloride	2.8 B	5	A	No	<1	NA	NA	NA	Not Recorded*
NGW202/MW-2	4/20/1994	Tetrachloroethene	1.9	0.081	B, Carc	Yes	23	NA	NA	NA	Not Recorded*
NGW202/MW-2	4/20/1994	Trichloroethene	3.5	0.49	B, Carc	Yes	7.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	4/20/1994	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	4/20/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/20/1994	1,1,1,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/20/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/20/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/20/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/20/1994	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	SECOR 2/9/96*
NGW202/MW-2	7/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/20/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/20/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/20/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW202/MW-2	7/20/1994	Tetrachloroethene	1.2	0.081	B, Carc	Yes	15	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/20/1994	Trichloroethene	2.4	0.49	B, Carc	Yes	4.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/20/1994	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/20/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW202/MW-2	10/24/1994	1,1,1,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	10/24/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	10/24/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	10/24/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	10/24/1994	Acetone	10 B	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW202/MW-2	10/24/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 2/9/96*
NGW202/MW-2	10/24/1994	Arsenic	5	0.058	B, Carc	Yes	86	370	No	<1	SECOR 2/9/96*
NGW202/MW-2	10/24/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	10/24/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	10/24/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	10/24/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	10/24/1994	Lead	4	15	A	No	<1	13	No	<1	SECOR 2/9/96*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW202/MW-2	10/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW202/MW-2	10/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW202/MW-2	10/24/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW202/MW-2	10/24/1994	Trichloroethene	1.5	0.49	B, Carc	Yes	3.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	10/24/1994	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	10/24/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/24/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/24/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/24/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/24/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/24/1995	Arsenic	13	0.058	B, Carc	Yes	224	370	No	<1	SECOR 2/9/96*
NGW202/MW-2	1/24/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/24/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/24/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/24/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/24/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW202/MW-2	1/24/1995	Tetrachloroethene	1.9	0.081	B, Carc	Yes	23	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/24/1995	Trichloroethene	2.7	0.49	B, Carc	Yes	5.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/24/1995	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/24/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW202/MW-2	5/11/1995	Arsenic	35	0.058	B, Carc	Yes	603	370	No	<1	Not Recorded*
NGW202/MW-2	5/11/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW202/MW-2	5/11/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW202/MW-2	5/11/1995	<b>Mercury</b>	<b>0.1</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.0074</b>	<b>Yes</b>	<b>14</b>	<b>Not Recorded*</b>
NGW202/MW-2	5/11/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW202/MW-2	5/11/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW202/MW-2	5/11/1995	Vinyl Chloride	0.9	0.029	B, Carc	Yes	31	NA	NA	NA	Not Recorded*
NGW202/MW-2	9/14/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	9/14/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	9/14/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	9/14/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	9/14/1995	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW202/MW-2	9/14/1995	Arsenic	100	0.058	B, Carc	Yes	1724	370	No	<1	Not Recorded*
NGW202/MW-2	9/14/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	9/14/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	9/14/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	9/14/1995	Chromium	42	50	A	No	<1	320	No	<1	Not Recorded*
NGW202/MW-2	9/14/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	9/14/1995	Lead	24	15	A	Yes	1.6	13	Yes	1.8	Not Recorded*
NGW202/MW-2	9/14/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW202/MW-2	9/14/1995	Mercury	0.2	2	A	No	<1	0.0074	Yes	27	Not Recorded*
NGW202/MW-2	9/14/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW202/MW-2	9/14/1995	Trichloroethene	1.4	0.49	B, Carc	Yes	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	9/14/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW202/MW-2	9/14/1995	Vinyl Chloride	0.17	0.029	B, Carc	Yes	5.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/20/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/20/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/20/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/20/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/20/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/20/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/20/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/20/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/20/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/20/1996	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/20/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/20/1996	Vinyl Chloride	0.43	0.029	B, Carc	Yes	15	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/14/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/14/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/14/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/14/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/14/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/14/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/14/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/14/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/14/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/14/1997	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/14/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW202/MW-2	3/14/1997	Vinyl Chloride	0.46	0.029	B, Carc	Yes	16	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/26/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/26/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/26/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/26/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
NGW202/MW-2	8/26/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/26/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/26/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/26/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/26/1997	Tetrachloroethene	1.1	0.081	B, Carc	Yes	14	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/26/1997	Trichloroethene	1.9	0.49	B, Carc	Yes	3.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/26/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/26/1997	Vinyl Chloride	0.075	0.029	B, Carc	Yes	2.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/23/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/23/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/23/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/23/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/23/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/23/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/23/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/23/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/23/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/23/1998	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/23/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/23/1998	Vinyl Chloride	0.29	0.029	B, Carc	Yes	10	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/27/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/27/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/27/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/27/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/27/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/27/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/27/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/27/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/27/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/27/1998	Trichloroethene	1.5	0.49	B, Carc	Yes	3.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/27/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/27/1998	Vinyl Chloride	0.071	0.029	B, Carc	Yes	2.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/19/1999	1,2,3-Trichloropropane	1 U	0.0063	B, Carc	RLE	159	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/19/1999	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW202/MW-2	1/19/1999	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/19/1999	Acrylonitrile	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/19/1999	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/19/1999	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW202/MW-2	1/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW202/MW-2	1/19/1999	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/19/1999	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	1/19/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/19/1999	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/19/1999	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/19/1999	Vinyl Chloride	0.042	0.029	B, Carc	Yes	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/22/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/22/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/22/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/22/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/22/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/22/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/22/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/22/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/22/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/22/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/22/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/22/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/25/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/25/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/25/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/25/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/25/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/25/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/25/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/25/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/25/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/25/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/25/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	7/25/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW202/MW-2	2/20/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/20/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/20/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/20/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/21/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/21/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/21/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/21/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/21/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/21/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/21/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/21/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/21/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/21/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/21/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/19/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/19/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/19/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/19/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/19/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/19/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/19/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/19/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/19/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/19/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/19/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	2/19/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/20/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/20/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/20/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/20/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW202/MW-2	8/20/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/20/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/20/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/20/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/20/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/20/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/20/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/20/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/20/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/20/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW202/MW-2	8/20/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/20/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW202/MW-2	8/20/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	11/20/1991	Antimony	50 U	6.4	B, NC	RLE	7.8	370	No	<1	SEACOR 2/14/92*
NGW203/MW-3	11/20/1991	Arsenic	5 U	0.058	B, Carc	RLE	86	370	No	<1	SEACOR 2/14/92*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW203/MW-3	11/20/1991	Copper	9.5	590	B, NC	No	<1	120	No	<1	SEACOR 2/14/92*
NGW203/MW-3	11/20/1991	Mercury	1 U	2	A	No	<1	0.0074	RLE	135	SEACOR 2/14/92*
NGW203/MW-3	11/20/1991	Nickel	11	NA	NA	NA	NA	NA	NA	NA	SEACOR 2/14/92*
NGW203/MW-3	11/20/1991	Silver	5 U	80	B, NC	No	<1	1.5	RLE	3.3	SEACOR 2/14/92*
NGW203/MW-3	11/20/1991	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	SEACOR 2/14/92*
NGW203/MW-3	11/20/1991	Zinc	15	4800	B, NC	No	<1	76	No	<1	SEACOR 2/14/92*
NGW203/MW-3	7/23/1993	1,1,2-Trichloro-1,2,2-trifluoroethane	6.9	240000	B, NC	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	7/23/1993	1,1-Dichloroethene	1.2	400	B, NC	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	7/23/1993	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	SECOR 2/9/96*
NGW203/MW-3	7/23/1993	Cadmium	5	5	A	No	1.0	3.4	Yes	1.5	SECOR 2/9/96*
NGW203/MW-3	7/23/1993	cis-1,2-Dichloroethene	29	80	B, NC	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	7/23/1993	Lead	1	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW203/MW-3	7/23/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW203/MW-3	7/23/1993	Methylene Chloride	4.4	5	A	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	7/23/1993	Tetrachloroethene	3.3	0.081	B, Carc	Yes	41	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	7/23/1993	trans-1,2-Dichloroethene	0.9 J	160	B, NC	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	7/23/1993	Trichloroethene	620	0.49	B, Carc	Yes	1265	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	7/23/1993	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	10/27/1993	1,1-Dichloroethene	1.3	400	B, NC	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	10/27/1993	Arsenic	21	0.058	B, Carc	Yes	362	370	No	<1	SECOR 2/9/96*
NGW203/MW-3	10/27/1993	Cadmium	3	5	A	No	<1	3.4	No	<1	SECOR 2/9/96*
NGW203/MW-3	10/27/1993	Chromium	41	50	A	No	<1	320	No	<1	SECOR 2/9/96*
NGW203/MW-3	10/27/1993	cis-1,2-Dichloroethene	29	80	B, NC	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	10/27/1993	Lead	10	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW203/MW-3	10/27/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW203/MW-3	10/27/1993	Tetrachloroethene	6.5	0.081	B, Carc	Yes	80	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	10/27/1993	trans-1,2-Dichloroethene	1 J	160	B, NC	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	10/27/1993	Trichloroethene	810	0.49	B, Carc	Yes	1653	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	10/27/1993	Vinyl Chloride	0.23	0.029	B, Carc	Yes	8	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	1/25/1994	1,1-Dichloroethene	1.5	400	B, NC	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	1/25/1994	Arsenic	7	0.058	B, Carc	Yes	121	370	No	<1	SECOR 2/9/96*
NGW203/MW-3	1/25/1994	cis-1,2-Dichloroethene	29	80	B, NC	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	1/25/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW203/MW-3	1/25/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW203/MW-3	1/25/1994	Tetrachloroethene	7.8	0.081	B, Carc	Yes	96	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	1/25/1994	trans-1,2-Dichloroethene	1.3	160	B, NC	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	1/25/1994	Trichloroethene	1300	0.49	B, Carc	Yes	2653	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	1/25/1994	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	SECOR 2/9/96*
NGW203/MW-3	4/20/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	4/20/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	4/20/1994	1,1-Dichloroethene	1.6	400	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	4/20/1994	1,2,3-Trichloropropane	1 U	0.0063	B, Carc	RLE	159	NA	NA	NA	Not Recorded*
NGW203/MW-3	4/20/1994	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW203/MW-3	4/20/1994	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW203/MW-3	4/20/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	4/20/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	4/20/1994	Acrylonitrile	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW203/MW-3	4/20/1994	Arsenic	6	0.058	B, Carc	Yes	103	370	No	<1	Not Recorded*
NGW203/MW-3	4/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	4/20/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	4/20/1994	Cadmium	2	5	A	No	<1	3.4	No	<1	Not Recorded*
NGW203/MW-3	4/20/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	4/20/1994	cis-1,2-Dichloroethene	29	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	4/20/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	4/20/1994	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW203/MW-3	4/20/1994	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW203/MW-3	4/20/1994	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW203/MW-3	4/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW203/MW-3	4/20/1994	Methylene Chloride	4 B	5	A	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	4/20/1994	Tetrachloroethene	4.5	0.081	B, Carc	Yes	56	NA	NA	NA	Not Recorded*
NGW203/MW-3	4/20/1994	trans-1,2-Dichloroethene	1.1	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	4/20/1994	Trichloroethene	730	0.49	B, Carc	Yes	1490	NA	NA	NA	Not Recorded*
NGW203/MW-3	4/20/1994	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	4/20/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/20/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/20/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/20/1994	1,1-Dichloroethene	1.6	400	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/20/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/20/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/20/1994	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW203/MW-3	7/20/1994	Arsenic	15	0.058	B, Carc	Yes	259	370	No	<1	Not Recorded*
NGW203/MW-3	7/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/20/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/20/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/20/1994	Chromium	21	50	A	No	<1	320	No	<1	Not Recorded*
NGW203/MW-3	7/20/1994	cis-1,2-Dichloroethene	40	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/20/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/20/1994	Lead	8	15	A	No	<1	13	No	<1	Not Recorded*
NGW203/MW-3	7/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW203/MW-3	7/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW203/MW-3	7/20/1994	Tetrachloroethene	7	0.081	B, Carc	Yes	86	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/20/1994	trans-1,2-Dichloroethene	1.4	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/20/1994	Trichloroethene	730	0.49	B, Carc	Yes	1490	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/20/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/20/1994	Vinyl Chloride	0.22	0.029	B, Carc	Yes	7.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	10/24/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	10/24/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	10/24/1994	1,1-Dichloroethene	1.7	400	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	10/24/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	10/24/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	10/24/1994	Acetone	9.4 B	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	10/24/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW203/MW-3	10/24/1994	Arsenic	18	0.058	B, Carc	Yes	310	370	No	<1	Not Recorded*
NGW203/MW-3	10/24/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW203/MW-3	10/24/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	10/24/1994	Cadmium	6 U	5	A	RLE	1.2	3.4	RLE	1.8	Not Recorded*
NGW203/MW-3	10/24/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	10/24/1994	Chromium	25	50	A	No	<1	320	No	<1	Not Recorded*
NGW203/MW-3	10/24/1994	cis-1,2-Dichloroethene	44	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	10/24/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	10/24/1994	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW203/MW-3	10/24/1994	Lead	9	15	A	No	<1	13	No	<1	Not Recorded*
NGW203/MW-3	10/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW203/MW-3	10/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW203/MW-3	10/24/1994	Tetrachloroethene	6.2	0.081	B, Carc	Yes	77	NA	NA	NA	Not Recorded*
NGW203/MW-3	10/24/1994	trans-1,2-Dichloroethene	1.6	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	10/24/1994	Trichloroethene	890	0.49	B, Carc	Yes	1816	NA	NA	NA	Not Recorded*
NGW203/MW-3	10/24/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW203/MW-3	10/24/1994	Vinyl Chloride	0.11	0.029	B, Carc	Yes	3.8	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/24/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/24/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/24/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/24/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/24/1995	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	SECOR 2/9/96*
NGW203/MW-3	1/24/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/24/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/24/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/24/1995	cis-1,2-Dichloroethene	6.3	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/24/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/24/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW203/MW-3	1/24/1995	Tetrachloroethene	1	0.081	B, Carc	Yes	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/24/1995	Trichloroethene	110	0.49	B, Carc	Yes	224	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/24/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/24/1995	Vinyl Chloride	0.026	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	5/11/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	5/11/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	5/11/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	5/11/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	5/11/1995	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW203/MW-3	5/11/1995	Arsenic	27	0.058	B, Carc	Yes	466	370	No	<1	Not Recorded*
NGW203/MW-3	5/11/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	5/11/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	5/11/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	5/11/1995	Chromium	30	50	A	No	<1	320	No	<1	Not Recorded*
NGW203/MW-3	5/11/1995	cis-1,2-Dichloroethene	12	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	5/11/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	5/11/1995	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW203/MW-3	5/11/1995	Lead	9	15	A	No	<1	13	No	<1	Not Recorded*
NGW203/MW-3	5/11/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW203/MW-3	5/11/1995	Mercury	0.1	2	A	No	<1	0.0074	Yes	14	Not Recorded*
NGW203/MW-3	5/11/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW203/MW-3	5/11/1995	Trichloroethene	94	0.49	B, Carc	Yes	192	NA	NA	NA	Not Recorded*
NGW203/MW-3	5/11/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW203/MW-3	5/11/1995	Vinyl Chloride	0.033	0.029	B, Carc	Yes	1.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	9/14/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	9/14/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	9/14/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	9/14/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	9/14/1995	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW203/MW-3	9/14/1995	Arsenic	16	0.058	B, Carc	Yes	276	370	No	<1	Not Recorded*
NGW203/MW-3	9/14/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	9/14/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	9/14/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	9/14/1995	Chromium	26	50	A	No	<1	320	No	<1	Not Recorded*
NGW203/MW-3	9/14/1995	cis-1,2-Dichloroethene	19	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	9/14/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	9/14/1995	Lead	8	15	A	No	<1	13	No	<1	Not Recorded*
NGW203/MW-3	9/14/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW203/MW-3	9/14/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW203/MW-3	9/14/1995	Tetrachloroethene	2.4	0.081	B, Carc	Yes	30	NA	NA	NA	Not Recorded*
NGW203/MW-3	9/14/1995	Trichloroethene	190	0.49	B, Carc	Yes	388	NA	NA	NA	Not Recorded*
NGW203/MW-3	9/14/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW203/MW-3	9/14/1995	Vinyl Chloride	0.04	0.029	B, Carc	Yes	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/20/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/20/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/20/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/20/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/20/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/20/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/20/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/20/1996	cis-1,2-Dichloroethene	7.1	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/20/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/20/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/20/1996	Trichloroethene	42	0.49	B, Carc	Yes	86	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/20/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/20/1996	Vinyl Chloride	0.016	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/14/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/14/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/14/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/14/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/14/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/14/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/14/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/14/1997	cis-1,2-Dichloroethene	5.5	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/14/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/14/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/14/1997	Trichloroethene	36	0.49	B, Carc	Yes	73	NA	NA	NA	Not Recorded*
NGW203/MW-3	3/14/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW203/MW-3	3/14/1997	Vinyl Chloride	0.011	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/26/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/26/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/26/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/26/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/26/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/26/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/26/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/26/1997	cis-1,2-Dichloroethene	10	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/26/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/26/1997	Tetrachloroethene	1.6	0.081	B, Carc	Yes	20	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/26/1997	Trichloroethene	76	0.49	B, Carc	Yes	155	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/26/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/26/1997	Vinyl Chloride	0.004	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/23/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/23/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/23/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/23/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/23/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/23/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/23/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/23/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/23/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/23/1998	Trichloroethene	1.2	0.49	B, Carc	Yes	2.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/23/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/27/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/27/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/27/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/27/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/27/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/27/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/27/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/27/1998	cis-1,2-Dichloroethene	13	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/27/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/27/1998	Tetrachloroethene	1.3	0.081	B, Carc	Yes	16	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/27/1998	Trichloroethene	78	0.49	B, Carc	Yes	159	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/27/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/27/1998	Vinyl Chloride	0.032	0.029	B, Carc	Yes	1.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/19/1999	1,2,3-Trichloropropane	1 U	0.0063	B, Carc	RLE	159	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/19/1999	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW203/MW-3	1/19/1999	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/19/1999	Acrylonitrile	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW203/MW-3	1/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/19/1999	cis-1,2-Dichloroethene	1.3	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/19/1999	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/19/1999	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW203/MW-3	1/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/19/1999	Trichloroethene	6.4	0.49	B, Carc	Yes	13	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/19/1999	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	1/19/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/19/1999	cis-1,2-Dichloroethene	4.3	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/19/1999	Trichloroethene	28	0.49	B, Carc	Yes	57	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/19/1999	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/22/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/22/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/22/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/22/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/22/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/22/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/22/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/22/2000	cis-1,2-Dichloroethene	10	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/22/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/22/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/22/2000	Trichloroethene	38	0.49	B, Carc	Yes	78	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/22/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/22/2000	Vinyl Chloride	0.015	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/25/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/25/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/25/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/25/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/25/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/25/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/25/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/25/2000	cis-1,2-Dichloroethene	13	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/25/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/25/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/25/2000	Trichloroethene	39	0.49	B, Carc	Yes	80	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/25/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW203/MW-3	7/25/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/20/2001	cis-1,2-Dichloroethene	18	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/20/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/20/2001	Trichloroethene	48	0.49	B, Carc	Yes	98	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/20/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/20/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/21/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/21/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/21/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/21/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/21/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/21/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/21/2001	cis-1,2-Dichloroethene	32	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/21/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/21/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/21/2001	Trichloroethene	67	0.49	B, Carc	Yes	137	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/21/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/21/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/19/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/19/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/19/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/19/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/19/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/19/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/19/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/19/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/19/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/19/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/19/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/19/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW203/MW-3	8/20/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW203/MW-3	8/20/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2002	cis-1,2-Dichloroethene	29	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW203/MW-3	8/20/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2002	Trichloroethene	39	0.49	B, Carc	Yes	80	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW203/MW-3	2/18/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW203/MW-3	2/18/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	cis-1,2-Dichloroethene	29	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	cis-1,2-Dichloroethene	48	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW203/MW-3	2/18/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW203/MW-3	2/18/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Trichloroethene	37	0.49	B, Carc	Yes	76	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Trichloroethene	59	0.49	B, Carc	Yes	120	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/18/2003	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW203/MW-3	7/15/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW203/MW-3	7/15/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW203/MW-3	7/15/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	cis-1,2-Dichloroethene	25	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	cis-1,2-Dichloroethene	30	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW203/MW-3	7/15/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW203/MW-3	7/15/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Trichloroethene	37	0.49	B, Carc	Yes	76	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Trichloroethene	42	0.49	B, Carc	Yes	86	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	7/15/2003	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/10/2004	cis-1,2-Dichloroethene	7.9	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/10/2004	Trichloroethene	8.4	0.49	B, Carc	Yes	17	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/10/2004	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/9/2004	cis-1,2-Dichloroethene	23	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/9/2004	Trichloroethene	38	0.49	B, Carc	Yes	78	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/9/2004	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/7/2005	cis-1,2-Dichloroethene	12	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/7/2005	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/7/2005	Trichloroethene	24	0.49	B, Carc	Yes	49	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/7/2005	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/18/2005	cis-1,2-Dichloroethene	11	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/18/2005	Trichloroethene	25	0.49	B, Carc	Yes	51	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW203/MW-3	8/18/2005	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/21/2006	cis-1,2-Dichloroethene	4.3	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/21/2006	Trichloroethene	9.1	0.49	B, Carc	Yes	19	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/21/2006	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/14/2006	cis-1,2-Dichloroethene	11	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/14/2006	Trichloroethene	10 U	0.49	B, Carc	RLE	20	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/14/2006	Vinyl Chloride	1	0.029	B, Carc	Yes	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/20/2007	cis-1,2-Dichloroethene	21	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/20/2007	Trichloroethene	11	0.49	B, Carc	Yes	22	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/20/2007	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/22/2007	cis-1,2-Dichloroethene	34	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/22/2007	Trichloroethene	10	0.49	B, Carc	Yes	20	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/22/2007	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/19/2008	cis-1,2-Dichloroethene	31	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/19/2008	Trichloroethene	9	0.49	B, Carc	Yes	18	NA	NA	NA	Not Recorded*
NGW203/MW-3	2/19/2008	Vinyl Chloride	0.6 U	0.029	B, Carc	RLE	21	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2008	cis-1,2-Dichloroethene	68	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2008	Trichloroethene	7.9	0.49	B, Carc	Yes	16	NA	NA	NA	Not Recorded*
NGW203/MW-3	8/20/2008	Vinyl Chloride	0.6 U	0.029	B, Carc	RLE	21	NA	NA	NA	Not Recorded*
NGW204/MW-4	11/20/1991	Aroclor 1254	1 U	0.32	B, NC	RLE	3.1	0.86	RLE	1.2	SEACOR 2/14/92*
NGW204/MW-4	11/20/1991	Aroclor 1260	1 U	NA	NA	NA	NA	0.31	RLE	3.2	SEACOR 2/14/92*
NGW204/MW-4	11/20/1991	Total Petroleum Hydrocarbons	4600	500	A	Yes	9.2	NA	NA	NA	SEACOR 2/14/92*
NGW204/MW-4	7/23/1993	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 2/9/96*
NGW204/MW-4	7/23/1993	Cadmium	2	5	A	No	<1	3.4	No	<1	SECOR 2/9/96*
NGW204/MW-4	7/23/1993	Lead	2	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW204/MW-4	7/23/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW204/MW-4	7/23/1993	Methylene Chloride	4.2	5	A	No	<1	NA	NA	NA	SECOR 2/9/96*
NGW204/MW-4	7/23/1993	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 2/9/96*
NGW204/MW-4	7/23/1993	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 2/9/96*
NGW204/MW-4	7/23/1993	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	SECOR 2/9/96*
NGW204/MW-4	10/27/1993	Arsenic	6	0.058	B, Carc	Yes	103	370	No	<1	SECOR 2/9/96*
NGW204/MW-4	10/27/1993	Cadmium	3	5	A	No	<1	3.4	No	<1	SECOR 2/9/96*
NGW204/MW-4	10/27/1993	Lead	1	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW204/MW-4	10/27/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW204/MW-4	10/27/1993	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 2/9/96*
NGW204/MW-4	10/27/1993	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 2/9/96*
NGW204/MW-4	10/27/1993	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	SECOR 2/9/96*
NGW204/MW-4	1/25/1994	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	SECOR 2/9/96*
NGW204/MW-4	1/25/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW204/MW-4	1/25/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW204/MW-4	1/25/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 2/9/96*
NGW204/MW-4	1/25/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 2/9/96*
NGW204/MW-4	1/25/1994	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	SECOR 2/9/96*
NGW204/MW-4	4/20/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	4/20/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	4/20/1994	1,2,3-Trichloropropane	1 U	0.0063	B, Carc	RLE	159	NA	NA	NA	Not Recorded*
NGW204/MW-4	4/20/1994	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW204/MW-4	4/20/1994	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW204/MW-4	4/20/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	4/20/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	4/20/1994	Acrylonitrile	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	Not Recorded*
NGW204/MW-4	4/20/1994	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	SECOR 2/9/96*
NGW204/MW-4	4/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	4/20/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	4/20/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	4/20/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	4/20/1994	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW204/MW-4	4/20/1994	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW204/MW-4	4/20/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW204/MW-4	4/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW204/MW-4	4/20/1994	Methylene Chloride	3.2 B	5	A	No	<1	NA	NA	NA	Not Recorded*
NGW204/MW-4	4/20/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	4/20/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	4/20/1994	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	4/20/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/20/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/20/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/20/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/20/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/20/1994	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	SECOR 2/9/96*
NGW204/MW-4	7/20/1994	Arsenic	8	0.058	B, Carc	Yes	138	370	No	<1	SECOR 2/9/96*
NGW204/MW-4	7/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/20/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/20/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/20/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/20/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW204/MW-4	7/20/1994	Lead	3	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW204/MW-4	7/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW204/MW-4	7/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW204/MW-4	7/20/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/20/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/20/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/20/1994	Vinyl Chloride	0.006	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW204/MW-4	10/24/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	10/24/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	10/24/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	10/24/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	10/24/1994	Acetone	12 B	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW204/MW-4	10/24/1994	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	SECOR 2/9/96*
NGW204/MW-4	10/24/1994	Arsenic	8	0.058	B, Carc	Yes	138	370	No	<1	SECOR 2/9/96*
NGW204/MW-4	10/24/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	10/24/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	10/24/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	10/24/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW204/MW-4	10/24/1994	Lead	3	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW204/MW-4	10/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW204/MW-4	10/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW204/MW-4	10/24/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	10/24/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	10/24/1994	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	10/24/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/24/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/24/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/24/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/24/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/24/1995	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 2/9/96*
NGW204/MW-4	1/24/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/24/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/24/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/24/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/24/1995	Lead	1	15	A	No	<1	13	No	<1	SECOR 2/9/96*
NGW204/MW-4	1/24/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 2/9/96*
NGW204/MW-4	1/24/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/24/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/24/1995	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/24/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW204/MW-4	5/11/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	5/11/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	5/11/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	5/11/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	5/11/1995	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW204/MW-4	5/11/1995	Arsenic	42	0.058	B, Carc	Yes	724	370	No	<1	Not Recorded*
NGW204/MW-4	5/11/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	5/11/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	5/11/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	5/11/1995	Chromium	9	50	A	No	<1	320	No	<1	Not Recorded*
NGW204/MW-4	5/11/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	5/11/1995	Lead	4	15	A	No	<1	13	No	<1	Not Recorded*
NGW204/MW-4	5/11/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW204/MW-4	5/11/1995	Mercury	0.2	2	A	No	<1	0.0074	Yes	27	Not Recorded*
NGW204/MW-4	5/11/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	5/11/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	5/11/1995	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	5/11/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW204/MW-4	9/14/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	9/14/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	9/14/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	9/14/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	9/14/1995	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	Not Recorded*
NGW204/MW-4	9/14/1995	Arsenic	43	0.058	B, Carc	Yes	741	370	No	<1	Not Recorded*
NGW204/MW-4	9/14/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW204/MW-4	9/14/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	9/14/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	9/14/1995	Chromium	18	50	A	No	<1	320	No	<1	Not Recorded*
NGW204/MW-4	9/14/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	9/14/1995	Lead	9	15	A	No	<1	13	No	<1	Not Recorded*
NGW204/MW-4	9/14/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
<b>NGW204/MW-4</b>	<b>9/14/1995</b>	<b>Mercury</b>	<b>0.2</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.0074</b>	<b>Yes</b>	<b>27</b>	<b>Not Recorded*</b>
NGW204/MW-4	9/14/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	9/14/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	9/14/1995	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	9/14/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/20/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/20/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/20/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/20/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/20/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/20/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/20/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/20/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/20/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/20/1996	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/20/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/20/1996	Vinyl Chloride	0.024	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/14/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/14/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/14/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/14/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/14/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/14/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/14/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/14/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/14/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/14/1997	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/14/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW204/MW-4	3/14/1997	Vinyl Chloride	0.022	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/26/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/26/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/26/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/26/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/26/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/26/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/26/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/26/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/26/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/26/1997	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/26/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/26/1997	Vinyl Chloride	0.021	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW204/MW-4	2/23/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/23/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/27/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/27/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/27/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/27/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/27/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/27/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/27/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/27/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/27/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/27/1998	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/27/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/27/1998	Vinyl Chloride	0.011	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/19/1999	1,2,3-Trichloropropane	1 U	0.0063	B, Carc	RLE	159	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/19/1999	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW204/MW-4	1/19/1999	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/19/1999	Acrylonitrile	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/19/1999	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW204/MW-4	1/19/1999	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW204/MW-4	1/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/19/1999	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/19/1999	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	1/19/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/19/1999	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/19/1999	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/22/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/22/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/22/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/22/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/22/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/22/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/22/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/22/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/22/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/22/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/22/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/22/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/25/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/25/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/25/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/25/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/25/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/25/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/25/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/25/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/25/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/25/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/25/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	7/25/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW204/MW-4	2/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/20/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/20/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/20/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/20/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/21/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/21/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/21/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/21/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/21/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/21/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/21/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/21/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/21/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/21/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/21/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/19/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/19/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/19/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/19/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/19/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/19/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/19/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/19/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/19/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/19/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/19/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	2/19/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/20/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/20/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/20/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/20/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW204/MW-4	8/20/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/20/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/20/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/20/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/20/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/20/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/20/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/20/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/20/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/20/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW204/MW-4	8/20/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/20/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW204/MW-4	8/20/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW205/MW-5	5/12/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW205/MW-5	5/12/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	5/12/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW205/MW-5	5/12/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW205/MW-5	5/12/1995	Arsenic	145	0.058	B, Carc	Yes	2500	370	No	<1	Not Recorded*
NGW205/MW-5	5/12/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	5/12/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW205/MW-5	5/12/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	5/12/1995	Chromium	70	50	A	Yes	1.4	320	No	<1	Not Recorded*
NGW205/MW-5	5/12/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	5/12/1995	Lead	22	15	A	Yes	1.5	13	Yes	1.7	Not Recorded*
NGW205/MW-5	5/12/1995	Mercury	0.2	2	A	No	<1	0.0074	Yes	27	Not Recorded*
NGW205/MW-5	5/12/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW205/MW-5	5/12/1995	Trichloroethene	8.8	0.49	B, Carc	Yes	18	NA	NA	NA	Not Recorded*
NGW205/MW-5	5/12/1995	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	5/12/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW205/MW-5	9/14/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW205/MW-5	9/14/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	9/14/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW205/MW-5	9/14/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW205/MW-5	9/14/1995	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW205/MW-5	9/14/1995	Arsenic	105	0.058	B, Carc	Yes	1810	370	No	<1	Not Recorded*
NGW205/MW-5	9/14/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	9/14/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW205/MW-5	9/14/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	9/14/1995	Chromium	34	50	A	No	<1	320	No	<1	Not Recorded*
NGW205/MW-5	9/14/1995	cis-1,2-Dichloroethene	5.1	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW205/MW-5	9/14/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	9/14/1995	Lead	13	15	A	No	<1	13	No	1.0	Not Recorded*
NGW205/MW-5	9/14/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW205/MW-5	9/14/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW205/MW-5	9/14/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW205/MW-5	9/14/1995	Trichloroethene	18	0.49	B, Carc	Yes	37	NA	NA	NA	Not Recorded*
NGW205/MW-5	9/14/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW205/MW-5	9/14/1995	Vinyl Chloride	0.014	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/20/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/20/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/20/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/20/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/20/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/20/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/20/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/20/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/20/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/20/1996	Trichloroethene	12	0.49	B, Carc	Yes	24	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/20/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/20/1996	Vinyl Chloride	0.004	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/14/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW205/MW-5	3/14/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/14/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/14/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/14/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/14/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/14/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/14/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/14/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/14/1997	Trichloroethene	12	0.49	B, Carc	Yes	24	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/14/1997	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	3/14/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/26/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/26/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/26/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/26/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/26/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/26/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/26/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/26/1997	cis-1,2-Dichloroethene	8.6	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/26/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/26/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/26/1997	Trichloroethene	10	0.49	B, Carc	Yes	20	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/26/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/26/1997	Vinyl Chloride	0.018	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/23/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/23/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/23/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/23/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/23/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/23/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/23/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/23/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/23/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/23/1998	Trichloroethene	7.1	0.49	B, Carc	Yes	14	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/23/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/23/1998	Vinyl Chloride	0.12 M	0.029	B, Carc	Yes	4.1	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/27/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/27/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/27/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/27/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/27/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/27/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/27/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/27/1998	cis-1,2-Dichloroethene	7.5	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/27/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/27/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/27/1998	Trichloroethene	16	0.49	B, Carc	Yes	33	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
NGW205/MW-5	7/27/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/27/1998	Vinyl Chloride	0.032	0.029	B, Carc	Yes	1.1	NA	NA	NA	Not Recorded*
NGW205/MW-5	1/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW205/MW-5	1/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	1/19/1999	1,2,3-Trichloropropane	1 U	0.0063	B, Carc	RLE	159	NA	NA	NA	Not Recorded*
NGW205/MW-5	1/19/1999	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW205/MW-5	1/19/1999	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW205/MW-5	1/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW205/MW-5	1/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW205/MW-5	1/19/1999	Acrylonitrile	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	Not Recorded*
NGW205/MW-5	1/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	1/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW205/MW-5	1/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	1/19/1999	Chloroform	23	7.2	B, Carc	Yes	3.2	NA	NA	NA	Not Recorded*
NGW205/MW-5	1/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	1/19/1999	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW205/MW-5	1/19/1999	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW205/MW-5	1/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW205/MW-5	1/19/1999	Trichloroethene	5.5	0.49	B, Carc	Yes	11	NA	NA	NA	Not Recorded*
NGW205/MW-5	1/19/1999	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	1/19/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/19/1999	Chloroform	7.6	7.2	B, Carc	Yes	1.1	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/19/1999	cis-1,2-Dichloroethene	4.3	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/19/1999	Trichloroethene	3.1	0.49	B, Carc	Yes	6.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/19/1999	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/22/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/22/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/22/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/22/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/22/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/22/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/22/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/22/2000	Chloroform	4	7.2	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/22/2000	cis-1,2-Dichloroethene	2.3	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/22/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/22/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/22/2000	Trichloroethene	3.9	0.49	B, Carc	Yes	8.0	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/22/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW205/MW-5	2/22/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/25/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/25/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/25/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/25/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/25/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/25/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/25/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/25/2000	cis-1,2-Dichloroethene	6.1	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/25/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/25/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/25/2000	Trichloroethene	7.3	0.49	B, Carc	Yes	15	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/25/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	7/25/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/20/2001	cis-1,2-Dichloroethene	7.8	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/20/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/20/2001	Trichloroethene	9.4	0.49	B, Carc	Yes	19	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/20/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/20/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/21/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/21/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/21/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/21/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/21/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/21/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/21/2001	cis-1,2-Dichloroethene	5	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/21/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/21/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/21/2001	Trichloroethene	5.1	0.49	B, Carc	Yes	10	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/21/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	8/21/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/19/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/19/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/19/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/19/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/19/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/19/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/19/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
NGW205/MW-5	2/19/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/19/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/19/2002	Trichloroethene	5.4	0.49	B, Carc	Yes	11	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/19/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW205/MW-5	2/19/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	1,1,2,2-Tetrachloroethane	5 U	0.22	B, Carc	RLE	23	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	1,1,2-Trichloroethane	5 U	0.77	B, Carc	RLE	6.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	1,2-Dichloroethane	5 U	0.48	B, Carc	RLE	10	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	1,2-Dichloropropane	5 U	0.64	B, Carc	RLE	7.8	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW206/MW-6	5/12/1995	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW206/MW-6	5/12/1995	Arsenic	30	0.058	B, Carc	Yes	517	370	No	<1	Not Recorded*
NGW206/MW-6	5/12/1995	Arsenic	32	0.058	B, Carc	Yes	552	370	No	<1	Not Recorded*
NGW206/MW-6	5/12/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Benzene	5 U	0.8	B, Carc	RLE	6.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Bromodichloromethane	5 U	0.71	B, Carc	RLE	7.0	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Carbon Tetrachloride	5 U	0.34	B, Carc	RLE	15	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Chromium	95	50	A	Yes	1.9	320	No	<1	Not Recorded*
NGW206/MW-6	5/12/1995	Chromium	97	50	A	Yes	1.9	320	No	<1	Not Recorded*
NGW206/MW-6	5/12/1995	cis-1,2-Dichloroethene	52	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	cis-1,2-Dichloroethene	56	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Dibromochloromethane	5 U	0.52	B, Carc	RLE	9.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Lead	74	15	A	Yes	4.9	13	Yes	5.7	Not Recorded*
NGW206/MW-6	5/12/1995	Lead	75	15	A	Yes	5.0	13	Yes	5.8	Not Recorded*
NGW206/MW-6	5/12/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW206/MW-6	5/12/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW206/MW-6	5/12/1995	Mercury	0.2	2	A	No	<1	0.0074	Yes	27	Not Recorded*
NGW206/MW-6	5/12/1995	Mercury	0.3	2	A	No	<1	0.0074	Yes	41	Not Recorded*
NGW206/MW-6	5/12/1995	Methylene Chloride	10 U	5	A	RLE	2.0	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Styrene	5 U	1.5	B, Carc	RLE	3.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Tetrachloroethene	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Trichloroethene	190	0.49	B, Carc	Yes	388	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Trichloroethene	260	0.49	B, Carc	Yes	531	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Vinyl Chloride	10 U	0.029	B, Carc	RLE	345	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Vinyl Chloride	0.1	0.029	B, Carc	Yes	3.4	NA	NA	NA	Not Recorded*
NGW206/MW-6	5/12/1995	Vinyl Chloride	0.1	0.029	B, Carc	Yes	3.4	NA	NA	NA	Not Recorded*
NGW206/MW-6	9/14/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW206/MW-6	9/14/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	9/14/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	9/14/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	9/14/1995	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW206/MW-6	9/14/1995	Arsenic	33	0.058	B, Carc	Yes	569	370	No	<1	Not Recorded*
NGW206/MW-6	9/14/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	9/14/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW206/MW-6	9/14/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	9/14/1995	Chromium	57	50	A	Yes	1.1	320	No	<1	Not Recorded*
NGW206/MW-6	9/14/1995	cis-1,2-Dichloroethene	42	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	9/14/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	9/14/1995	Lead	39	15	A	Yes	2.6	13	Yes	3.0	Not Recorded*
NGW206/MW-6	9/14/1995	Lead	4	15	A	No	<1	13	No	<1	Not Recorded*
NGW206/MW-6	9/14/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW206/MW-6	9/14/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW206/MW-6	9/14/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	9/14/1995	Trichloroethene	200	0.49	B, Carc	Yes	408	NA	NA	NA	Not Recorded*
NGW206/MW-6	9/14/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW206/MW-6	9/14/1995	Vinyl Chloride	0.06	0.029	B, Carc	Yes	2.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/20/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/20/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/20/1996	1,1-Dichloroethene	1.2	400	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/20/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/20/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/20/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/20/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/20/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/20/1996	cis-1,2-Dichloroethene	46	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/20/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/20/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/20/1996	Trichloroethene	200	0.49	B, Carc	Yes	408	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/20/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/20/1996	Vinyl Chloride	0.059	0.029	B, Carc	Yes	2.0	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/14/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/14/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/14/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/14/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/14/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/14/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/14/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/14/1997	cis-1,2-Dichloroethene	52	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/14/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/14/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/14/1997	Trichloroethene	160	0.49	B, Carc	Yes	327	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/14/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW206/MW-6	3/14/1997	Vinyl Chloride	0.073	0.029	B, Carc	Yes	2.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/26/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW206/MW-6	8/26/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/26/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/26/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/26/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/26/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/26/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/26/1997	cis-1,2-Dichloroethene	42	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/26/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/26/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/26/1997	Trichloroethene	150	0.49	B, Carc	Yes	306	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/26/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/26/1997	Vinyl Chloride	0.057	0.029	B, Carc	Yes	2.0	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/23/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/23/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/23/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/23/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/23/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/23/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/23/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/23/1998	cis-1,2-Dichloroethene	32	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/23/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/23/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/23/1998	Trichloroethene	120	0.49	B, Carc	Yes	245	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/23/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/27/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/27/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/27/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/27/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/27/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/27/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/27/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/27/1998	cis-1,2-Dichloroethene	43	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/27/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/27/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/27/1998	Trichloroethene	160	0.49	B, Carc	Yes	327	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/27/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/27/1998	Vinyl Chloride	0.068	0.029	B, Carc	Yes	2.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	1/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	1/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	1/19/1999	1,2,3-Trichloropropane	1 U	0.0063	B, Carc	RLE	159	NA	NA	NA	Not Recorded*
NGW206/MW-6	1/19/1999	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW206/MW-6	1/19/1999	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW206/MW-6	1/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	1/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	1/19/1999	Acrylonitrile	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	Not Recorded*
NGW206/MW-6	1/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	1/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW206/MW-6	1/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	1/19/1999	cis-1,2-Dichloroethene	53	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	1/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	1/19/1999	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW206/MW-6	1/19/1999	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW206/MW-6	1/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	1/19/1999	Trichloroethene	190	0.49	B, Carc	Yes	388	NA	NA	NA	Not Recorded*
NGW206/MW-6	1/19/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW206/MW-6	1/19/1999	Vinyl Chloride	0.14	0.029	B, Carc	Yes	4.8	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	cis-1,2-Dichloroethene	25	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	cis-1,2-Dichloroethene	29	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	Trichloroethene	90	0.49	B, Carc	Yes	184	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	Trichloroethene	98	0.49	B, Carc	Yes	200	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/19/1999	Vinyl Chloride	0.038	0.029	B, Carc	Yes	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/22/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/22/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/22/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/22/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/22/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/22/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/22/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/22/2000	cis-1,2-Dichloroethene	88	80	B, NC	Yes	1.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/22/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/22/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/22/2000	Trichloroethene	170	0.49	B, Carc	Yes	347	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/22/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/22/2000	Vinyl Chloride	0.04	0.029	B, Carc	Yes	1.4	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW206/MW-6	7/25/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	cis-1,2-Dichloroethene	120	80	B, NC	Yes	1.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	cis-1,2-Dichloroethene	74	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	Trichloroethene	200	0.49	B, Carc	Yes	408	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	Trichloroethene	220	0.49	B, Carc	Yes	449	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/25/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	1,1,1-Trichloroethane	1.1	200	A	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	1,1,2,2-Tetrachloroethane	5 U	0.22	B, Carc	RLE	23	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	1,1,2-Trichloroethane	5 U	0.77	B, Carc	RLE	6.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	1,2-Dichloroethane	5 U	0.48	B, Carc	RLE	10	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	1,2-Dichloropropane	5 U	0.64	B, Carc	RLE	7.8	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Benzene	5 U	0.8	B, Carc	RLE	6.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Bromodichloromethane	5 U	0.71	B, Carc	RLE	7.0	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Carbon Tetrachloride	5 U	0.34	B, Carc	RLE	15	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Chloromethane	5 U	3.4	B, Carc	RLE	1.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	cis-1,2-Dichloroethene	95	80	B, NC	Yes	1.2	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	cis-1,2-Dichloroethene	95	80	B, NC	Yes	1.2	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Dibromochloromethane	5 U	0.52	B, Carc	RLE	9.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Methylene Chloride	10 U	5	A	RLE	2.0	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW206/MW-6	2/20/2001	Styrene	5 U	1.5	B, Carc	RLE	3.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Tetrachloroethene	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Trichloroethene	190	0.49	B, Carc	Yes	388	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Trichloroethene	190	0.49	B, Carc	Yes	388	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2001	Vinyl Chloride	5 U	0.029	B, Carc	RLE	172	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/21/2001	1,1,1-Trichloroethane	3.6	200	A	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/21/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/21/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/21/2001	1,1-Dichloroethane	1.1	1600	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/21/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/21/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/21/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/21/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/21/2001	cis-1,2-Dichloroethene	180	80	B, NC	Yes	2.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/21/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/21/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/21/2001	Trichloroethene	250	0.49	B, Carc	Yes	510	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/21/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/21/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2002	1,1,2,2-Tetrachloroethane	3 U	0.22	B, Carc	RLE	14	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2002	1,1,2-Trichloroethane	3 U	0.77	B, Carc	RLE	3.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2002	1,2-Dichloroethane	3 U	0.48	B, Carc	RLE	6.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2002	1,2-Dichloropropane	3 U	0.64	B, Carc	RLE	4.7	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2002	Benzene	3 U	0.8	B, Carc	RLE	3.8	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2002	Bromodichloromethane	3 U	0.71	B, Carc	RLE	4.2	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2002	Carbon Tetrachloride	3 U	0.34	B, Carc	RLE	8.8	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2002	cis-1,2-Dichloroethene	120	80	B, NC	Yes	1.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2002	Dibromochloromethane	3 U	0.52	B, Carc	RLE	5.8	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2002	Methylene Chloride	6 U	5	A	RLE	1.2	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2002	Styrene	3 U	1.5	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2002	Tetrachloroethene	3 U	0.081	B, Carc	RLE	37	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2002	Trichloroethene	220	0.49	B, Carc	Yes	449	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2002	Vinyl Chloride	3 U	0.029	B, Carc	RLE	103	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2002	1,1,1,2-Tetrachloroethane	3 U	1.7	B, Carc	RLE	1.8	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2002	1,1,1-Trichloroethane	3.8	200	A	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2002	1,1,2,2-Tetrachloroethane	3 U	0.22	B, Carc	RLE	14	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2002	1,1,2-Trichloroethane	3 U	0.77	B, Carc	RLE	3.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2002	1,2,3-Trichloropropane	9 U	0.0063	B, Carc	RLE	1429	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2002	1,2,4-Trichlorobenzene	15 U	80	B, NC	No	<1	2.5	RLE	6.0	Not Recorded*
NGW206/MW-6	8/20/2002	1,2-Dibromo-3-chloropropane	15 U	0.031	B, Carc	RLE	484	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2002	1,2-Dichloroethane	3 U	0.48	B, Carc	RLE	6.3	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW206/MW-6	8/20/2002	1,2-Dichloropropane	3 U	0.64	B, Carc	RLE	4.7	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2002	1,4-Dichlorobenzene	3 U	1.8	B, Carc	RLE	1.7	21	No	<1	Not Recorded*
NGW206/MW-6	8/20/2002	Acrylonitrile	3 U	0.081	B, Carc	RLE	37	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2002	Benzene	3 U	0.8	B, Carc	RLE	3.8	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2002	Bromodichloromethane	3 U	0.71	B, Carc	RLE	4.2	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2002	Carbon Tetrachloride	3 U	0.34	B, Carc	RLE	8.8	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2002	cis-1,2-Dichloroethene	120	80	B, NC	Yes	1.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2002	Dibromochloromethane	3 U	0.52	B, Carc	RLE	5.8	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2002	Ethylene Dibromide	3 U	0.00051	B, Carc	RLE	5882	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2002	Hexachlorobutadiene	15 U	0.56	B, Carc	RLE	27	6.2	RLE	2.4	Not Recorded*
NGW206/MW-6	8/20/2002	Methylene Chloride	6 U	5	A	RLE	1.2	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2002	Styrene	3 U	1.5	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2002	Tetrachloroethene	3 U	0.081	B, Carc	RLE	37	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2002	Trichloroethene	240	0.49	B, Carc	Yes	490	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2002	Vinyl Chloride	3 U	0.029	B, Carc	RLE	103	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	1,1,1,2-Tetrachloroethane	3 U	1.7	B, Carc	RLE	1.8	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	1,1,1-Trichloroethane	2.9	200	A	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	1,1,1-Trichloroethane	3.4	200	A	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	1,1,2,2-Tetrachloroethane	3 U	0.22	B, Carc	RLE	14	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	1,1,2-Trichloroethane	3 U	0.77	B, Carc	RLE	3.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	1,1-Dichloroethane	1.2	1600	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	1,2,3-Trichloropropane	9 U	0.0063	B, Carc	RLE	1429	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW206/MW-6	2/18/2003	1,2,4-Trichlorobenzene	15 U	80	B, NC	No	<1	2.5	RLE	6.0	Not Recorded*
NGW206/MW-6	2/18/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	1,2-Dibromo-3-chloropropane	15 U	0.031	B, Carc	RLE	484	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	1,2-Dichloroethane	3 U	0.48	B, Carc	RLE	6.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	1,2-Dichloropropane	3 U	0.64	B, Carc	RLE	4.7	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	1,4-Dichlorobenzene	3 U	1.8	B, Carc	RLE	1.7	21	No	<1	Not Recorded*
NGW206/MW-6	2/18/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Acrylonitrile	3 U	0.081	B, Carc	RLE	37	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Benzene	3 U	0.8	B, Carc	RLE	3.8	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Bromodichloromethane	3 U	0.71	B, Carc	RLE	4.2	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Carbon Tetrachloride	3 U	0.34	B, Carc	RLE	8.8	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	cis-1,2-Dichloroethene	160	80	B, NC	Yes	2.0	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	cis-1,2-Dichloroethene	160	80	B, NC	Yes	2.0	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Dibromochloromethane	3 U	0.52	B, Carc	RLE	5.8	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW206/MW-6	2/18/2003	Ethylene Dibromide	3 U	0.00051	B, Carc	RLE	5882	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW206/MW-6	2/18/2003	Hexachlorobutadiene	15 U	0.56	B, Carc	RLE	27	6.2	RLE	2.4	Not Recorded*
NGW206/MW-6	2/18/2003	Methylene Chloride	6 U	5	A	RLE	1.2	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Styrene	3 U	1.5	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Tetrachloroethene	3 U	0.081	B, Carc	RLE	37	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	trans-1,2-Dichloroethene	1.3	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Trichloroethene	190	0.49	B, Carc	Yes	388	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Trichloroethene	250	0.49	B, Carc	Yes	510	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/18/2003	Vinyl Chloride	3 U	0.029	B, Carc	RLE	103	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	1,1,1,2-Tetrachloroethane	3 U	1.7	B, Carc	RLE	1.8	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	1,1,1-Trichloroethane	2.9	200	A	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	1,1,1-Trichloroethane	3.1	200	A	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	1,1,2,2-Tetrachloroethane	3 U	0.22	B, Carc	RLE	14	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	1,1,2-Trichloroethane	3 U	0.77	B, Carc	RLE	3.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	1,1-Dichloroethane	1.2	1600	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	1,2,3-Trichloropropane	9 U	0.0063	B, Carc	RLE	1429	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW206/MW-6	7/15/2003	1,2,4-Trichlorobenzene	15 U	80	B, NC	No	<1	2.5	RLE	6.0	Not Recorded*
NGW206/MW-6	7/15/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	1,2-Dibromo-3-chloropropane	15 U	0.031	B, Carc	RLE	484	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	1,2-Dichloroethane	3 U	0.48	B, Carc	RLE	6.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	1,2-Dichloropropane	3 U	0.64	B, Carc	RLE	4.7	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	1,4-Dichlorobenzene	3 U	1.8	B, Carc	RLE	1.7	21	No	<1	Not Recorded*
NGW206/MW-6	7/15/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Acrylonitrile	3 U	0.081	B, Carc	RLE	37	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Benzene	3 U	0.8	B, Carc	RLE	3.8	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Bromodichloromethane	3 U	0.71	B, Carc	RLE	4.2	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Carbon Tetrachloride	3 U	0.34	B, Carc	RLE	8.8	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	cis-1,2-Dichloroethene	170	80	B, NC	Yes	2.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	cis-1,2-Dichloroethene	180	80	B, NC	Yes	2.3	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Dibromochloromethane	3 U	0.52	B, Carc	RLE	5.8	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Ethylene Dibromide	3 U	0.00051	B, Carc	RLE	5882	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW206/MW-6	7/15/2003	Hexachlorobutadiene	15 U	0.56	B, Carc	RLE	27	6.2	RLE	2.4	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW206/MW-6	7/15/2003	Methylene Chloride	6 U	5	A	RLE	1.2	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Styrene	3 U	1.5	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Tetrachloroethene	3 U	0.081	B, Carc	RLE	37	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	trans-1,2-Dichloroethene	1.5	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Trichloroethene	240	0.49	B, Carc	Yes	490	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Trichloroethene	270	0.49	B, Carc	Yes	551	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Vinyl Chloride	3 U	0.029	B, Carc	RLE	103	NA	NA	NA	Not Recorded*
NGW206/MW-6	7/15/2003	Vinyl Chloride	3.3	0.029	B, Carc	Yes	114	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/10/2004	cis-1,2-Dichloroethene	140	80	B, NC	Yes	1.8	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/10/2004	Trichloroethene	280	0.49	B, Carc	Yes	571	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/10/2004	Vinyl Chloride	14	0.029	B, Carc	Yes	483	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/9/2004	cis-1,2-Dichloroethene	130	80	B, NC	Yes	1.6	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/9/2004	Trichloroethene	220	0.49	B, Carc	Yes	449	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/9/2004	Vinyl Chloride	3 U	0.029	B, Carc	RLE	103	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/7/2005	cis-1,2-Dichloroethene	87	80	B, NC	Yes	1.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/7/2005	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/7/2005	Trichloroethene	160	0.49	B, Carc	Yes	327	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/7/2005	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/18/2005	cis-1,2-Dichloroethene	63	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/18/2005	Trichloroethene	190	0.49	B, Carc	Yes	388	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/18/2005	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/21/2006	cis-1,2-Dichloroethene	37	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/21/2006	Trichloroethene	97	0.49	B, Carc	Yes	198	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/21/2006	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/14/2006	Trichloroethene	130	0.49	B, Carc	Yes	265	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/14/2006	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2007	cis-1,2-Dichloroethene	45	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2007	Trichloroethene	84	0.49	B, Carc	Yes	171	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/20/2007	Vinyl Chloride	1.8	0.029	B, Carc	Yes	62	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/22/2007	cis-1,2-Dichloroethene	58	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/22/2007	Trichloroethene	100	0.49	B, Carc	Yes	204	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/22/2007	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2008	cis-1,2-Dichloroethene	93	80	B, NC	Yes	1.2	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2008	Trichloroethene	130	0.49	B, Carc	Yes	265	NA	NA	NA	Not Recorded*
NGW206/MW-6	2/19/2008	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2008	cis-1,2-Dichloroethene	90	80	B, NC	Yes	1.1	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2008	Trichloroethene	100	0.49	B, Carc	Yes	204	NA	NA	NA	Not Recorded*
NGW206/MW-6	8/20/2008	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW207/MW-7	5/12/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW207/MW-7	5/12/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	5/12/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW207/MW-7	5/12/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW207/MW-7	5/12/1995	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW207/MW-7	5/12/1995	Arsenic	32	0.058	B, Carc	Yes	552	370	No	<1	Not Recorded*
NGW207/MW-7	5/12/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	5/12/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW207/MW-7	5/12/1995	Carbon Disulfide	1.4	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW207/MW-7	5/12/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	5/12/1995	Chromium	122	50	A	Yes	2.4	320	No	<1	Not Recorded*
NGW207/MW-7	5/12/1995	cis-1,2-Dichloroethene	1	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW207/MW-7	5/12/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	5/12/1995	Lead	28	15	A	Yes	1.9	13	Yes	2.2	Not Recorded*
NGW207/MW-7	5/12/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW207/MW-7	5/12/1995	Mercury	0.3	2	A	No	<1	0.0074	Yes	41	Not Recorded*
NGW207/MW-7	5/12/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW207/MW-7	5/12/1995	Trichloroethene	5.4	0.49	B, Carc	Yes	11	NA	NA	NA	Not Recorded*
NGW207/MW-7	5/12/1995	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	5/12/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW207/MW-7	9/14/1995	Arsenic	11	0.058	B, Carc	Yes	190	370	No	<1	Not Recorded*
NGW207/MW-7	9/14/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	Chromium	9	50	A	No	<1	320	No	<1	Not Recorded*
NGW207/MW-7	9/14/1995	cis-1,2-Dichloroethene	1.6	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	cis-1,2-Dichloroethene	1.8	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	Lead	4	15	A	No	<1	13	No	<1	Not Recorded*
NGW207/MW-7	9/14/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW207/MW-7	9/14/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW207/MW-7	9/14/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	Trichloroethene	6.7	0.49	B, Carc	Yes	14	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	Trichloroethene	7.6	0.49	B, Carc	Yes	16	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW207/MW-7	9/14/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/20/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/20/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/20/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/20/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW207/MW-7	3/20/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/20/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/20/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/20/1996	cis-1,2-Dichloroethene	1.1	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/20/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/20/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/20/1996	Trichloroethene	5.4	0.49	B, Carc	Yes	11	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/20/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/20/1996	Vinyl Chloride	0.006	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/14/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/14/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/14/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/14/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/14/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/14/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/14/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/14/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/14/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/14/1997	Trichloroethene	3.3	0.49	B, Carc	Yes	6.7	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/14/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW207/MW-7	3/14/1997	Vinyl Chloride	0.003	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/26/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/26/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/26/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/26/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/26/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/26/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/26/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/26/1997	cis-1,2-Dichloroethene	1.3	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/26/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/26/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/26/1997	Trichloroethene	4.8	0.49	B, Carc	Yes	9.8	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/26/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/26/1997	Vinyl Chloride	0.005	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/23/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/23/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/23/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/23/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/23/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/23/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/23/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/23/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/23/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/23/1998	Trichloroethene	3.4	0.49	B, Carc	Yes	6.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/23/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/27/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/27/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW207/MW-7	7/27/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/27/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/27/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/27/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/27/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/27/1998	cis-1,2-Dichloroethene	1.1	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/27/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/27/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/27/1998	Trichloroethene	4.8	0.49	B, Carc	Yes	9.8	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/27/1998	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/27/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW207/MW-7	1/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW207/MW-7	1/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	1/19/1999	1,2,3-Trichloropropane	1 U	0.0063	B, Carc	RLE	159	NA	NA	NA	Not Recorded*
NGW207/MW-7	1/19/1999	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW207/MW-7	1/19/1999	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW207/MW-7	1/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW207/MW-7	1/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW207/MW-7	1/19/1999	Acrylonitrile	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	Not Recorded*
NGW207/MW-7	1/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	1/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW207/MW-7	1/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	1/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	1/19/1999	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW207/MW-7	1/19/1999	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW207/MW-7	1/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW207/MW-7	1/19/1999	Trichloroethene	1	0.49	B, Carc	Yes	2.0	NA	NA	NA	Not Recorded*
NGW207/MW-7	1/19/1999	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	1/19/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/19/1999	Trichloroethene	2.6	0.49	B, Carc	Yes	5.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/19/1999	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/22/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/22/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/22/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/22/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/22/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/22/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/22/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW207/MW-7	2/22/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/22/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/22/2000	Trichloroethene	2.7	0.49	B, Carc	Yes	5.5	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/22/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/22/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/25/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/25/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/25/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/25/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/25/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/25/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/25/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/25/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/25/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/25/2000	Trichloroethene	2.6	0.49	B, Carc	Yes	5.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/25/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	7/25/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/20/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/20/2001	Trichloroethene	3	0.49	B, Carc	Yes	6.1	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/20/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/20/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/21/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/21/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/21/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/21/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/21/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/21/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/21/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/21/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/21/2001	Trichloroethene	2.6	0.49	B, Carc	Yes	5.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/21/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/21/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/19/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/19/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/19/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/19/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/19/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/19/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW207/MW-7	2/19/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/19/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/19/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/19/2002	Trichloroethene	2.4	0.49	B, Carc	Yes	4.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/19/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	2/19/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/20/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/20/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/20/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/20/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW207/MW-7	8/20/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/20/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/20/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/20/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/20/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/20/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/20/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/20/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/20/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/20/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW207/MW-7	8/20/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/20/2002	Trichloroethene	2.8	0.49	B, Carc	Yes	5.7	NA	NA	NA	Not Recorded*
NGW207/MW-7	8/20/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW208/MW-8	5/12/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW208/MW-8	5/12/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	5/12/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW208/MW-8	5/12/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW208/MW-8	5/12/1995	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW208/MW-8	5/12/1995	Arsenic	22	0.058	B, Carc	Yes	379	370	No	<1	Not Recorded*
NGW208/MW-8	5/12/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	5/12/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW208/MW-8	5/12/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	5/12/1995	Chromium	43	50	A	No	<1	320	NA	<1	Not Recorded*
NGW208/MW-8	5/12/1995	cis-1,2-Dichloroethene	24	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW208/MW-8	5/12/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	5/12/1995	Lead	28	15	A	Yes	1.9	13	Yes	2.2	Not Recorded*
NGW208/MW-8	5/12/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW208/MW-8	5/12/1995	Mercury	0.1	2	A	No	<1	0.0074	Yes	14	Not Recorded*
NGW208/MW-8	5/12/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW208/MW-8	5/12/1995	Trichloroethene	160	0.49	B, Carc	Yes	327	NA	NA	NA	Not Recorded*
NGW208/MW-8	5/12/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW208/MW-8	5/12/1995	Vinyl Chloride	0.072	0.029	B, Carc	Yes	2.5	NA	NA	NA	Not Recorded*
NGW208/MW-8	9/14/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW208/MW-8	9/14/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	9/14/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW208/MW-8	9/14/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW208/MW-8	9/14/1995	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
NGW208/MW-8	9/14/1995	Arsenic	13	0.058	B, Carc	Yes	224	370	No	<1	Not Recorded*
NGW208/MW-8	9/14/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	9/14/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW208/MW-8	9/14/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	9/14/1995	Chromium	11	50	A	No	<1	320	No	<1	Not Recorded*
NGW208/MW-8	9/14/1995	cis-1,2-Dichloroethene	30	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW208/MW-8	9/14/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	9/14/1995	Lead	10	15	A	No	<1	13	No	<1	Not Recorded*
NGW208/MW-8	9/14/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW208/MW-8	9/14/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW208/MW-8	9/14/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW208/MW-8	9/14/1995	Trichloroethene	120	0.49	B, Carc	Yes	245	NA	NA	NA	Not Recorded*
NGW208/MW-8	9/14/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW208/MW-8	9/14/1995	Vinyl Chloride	0.044	0.029	B, Carc	Yes	1.5	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/20/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/20/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/20/1996	1,1-Dichloroethene	1.2	400	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/20/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/20/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/20/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/20/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/20/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/20/1996	cis-1,2-Dichloroethene	40	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/20/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/20/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/20/1996	trans-1,2-Dichloroethene	1	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/20/1996	Trichloroethene	140	0.49	B, Carc	Yes	286	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/20/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/20/1996	Vinyl Chloride	0.052	0.029	B, Carc	Yes	1.8	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/14/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/14/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/14/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/14/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/14/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/14/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/14/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/14/1997	cis-1,2-Dichloroethene	56	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/14/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/14/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/14/1997	Trichloroethene	110	0.49	B, Carc	Yes	224	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/14/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW208/MW-8	3/14/1997	Vinyl Chloride	0.06	0.029	B, Carc	Yes	2.1	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/26/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/26/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/26/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/26/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/26/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW208/MW-8	8/26/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/26/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/26/1997	cis-1,2-Dichloroethene	73	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/26/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/26/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/26/1997	Trichloroethene	98	0.49	B, Carc	Yes	200	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/26/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/26/1997	Vinyl Chloride	0.084	0.029	B, Carc	Yes	2.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/27/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/27/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/27/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/27/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/27/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/27/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/27/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/27/1998	cis-1,2-Dichloroethene	130	80	B, NC	Yes	1.6	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/27/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/27/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/27/1998	trans-1,2-Dichloroethene	1.1	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/27/1998	Trichloroethene	160	0.49	B, Carc	Yes	327	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/27/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/27/1998	Vinyl Chloride	0.13	0.029	B, Carc	Yes	4.5	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/19/1999	cis-1,2-Dichloroethene	100	80	B, NC	Yes	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/19/1999	Trichloroethene	62	0.49	B, Carc	Yes	127	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/19/1999	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/19/1999	Vinyl Chloride	0.057	0.029	B, Carc	Yes	2.0	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/25/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/25/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/25/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/25/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/25/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/25/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/25/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/25/2000	cis-1,2-Dichloroethene	70	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/25/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/25/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/25/2000	Trichloroethene	43	0.49	B, Carc	Yes	88	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/25/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW208/MW-8	7/25/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/21/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/21/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/21/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/21/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/21/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/21/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/21/2001	cis-1,2-Dichloroethene	68	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/21/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/21/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/21/2001	Trichloroethene	30	0.49	B, Carc	Yes	61	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/21/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/21/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/25/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/25/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/25/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/25/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/25/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/25/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/25/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/25/2002	cis-1,2-Dichloroethene	92	80	B, NC	Yes	1.2	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/25/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/25/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/25/2002	Trichloroethene	37	0.49	B, Carc	Yes	76	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/25/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/25/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW208/MW-8	8/20/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2002	cis-1,2-Dichloroethene	77	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW208/MW-8	8/20/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2002	Trichloroethene	23	0.49	B, Carc	Yes	47	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/18/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/18/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW208/MW-8	2/18/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/18/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW208/MW-8	2/18/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/18/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/18/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/18/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/18/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/18/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/18/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/18/2003	cis-1,2-Dichloroethene	84	80	B, NC	Yes	1.1	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/18/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/18/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/18/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW208/MW-8	2/18/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/18/2003	Trichloroethene	22	0.49	B, Carc	Yes	45	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/18/2003	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/15/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/15/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/15/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/15/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW208/MW-8	7/15/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/15/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/15/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/15/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/15/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/15/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/15/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/15/2003	cis-1,2-Dichloroethene	94	80	B, NC	Yes	1.2	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/15/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/15/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/15/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW208/MW-8	7/15/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/15/2003	Trichloroethene	22	0.49	B, Carc	Yes	45	NA	NA	NA	Not Recorded*
NGW208/MW-8	7/15/2003	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/10/2004	cis-1,2-Dichloroethene	140	80	B, NC	Yes	1.8	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/10/2004	Trichloroethene	27	0.49	B, Carc	Yes	55	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/10/2004	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/9/2004	cis-1,2-Dichloroethene	78	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/9/2004	Trichloroethene	20	0.49	B, Carc	Yes	41	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/9/2004	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/7/2005	cis-1,2-Dichloroethene	49	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/7/2005	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/7/2005	Trichloroethene	14	0.49	B, Carc	Yes	29	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/7/2005	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/18/2005	cis-1,2-Dichloroethene	91	80	B, NC	Yes	1.1	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/18/2005	Trichloroethene	28	0.49	B, Carc	Yes	57	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/18/2005	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW208/MW-8	2/21/2006	cis-1,2-Dichloroethene	74	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/21/2006	Trichloroethene	22	0.49	B, Carc	Yes	45	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/21/2006	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/14/2006	cis-1,2-Dichloroethene	110	80	B, NC	Yes	1.4	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/14/2006	Trichloroethene	19	0.49	B, Carc	Yes	39	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/14/2006	Vinyl Chloride	1	0.029	B, Carc	Yes	34	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/22/2007	cis-1,2-Dichloroethene	56	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/22/2007	Trichloroethene	11	0.49	B, Carc	Yes	22	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/22/2007	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/19/2008	cis-1,2-Dichloroethene	100	80	B, NC	Yes	1.3	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/19/2008	Trichloroethene	14	0.49	B, Carc	Yes	29	NA	NA	NA	Not Recorded*
NGW208/MW-8	2/19/2008	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2008	cis-1,2-Dichloroethene	92	80	B, NC	Yes	1.2	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2008	Trichloroethene	12	0.49	B, Carc	Yes	24	NA	NA	NA	Not Recorded*
NGW208/MW-8	8/20/2008	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW209/MW-9	10/17/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW209/MW-9	10/17/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	10/17/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	10/17/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW209/MW-9	10/17/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	10/17/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW209/MW-9	10/17/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	10/17/1995	cis-1,2-Dichloroethene	13	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	10/17/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	10/17/1995	Tetrachloroethene	1.5	0.081	B, Carc	Yes	19	NA	NA	NA	Not Recorded*
NGW209/MW-9	10/17/1995	Trichloroethene	110	0.49	B, Carc	Yes	224	NA	NA	NA	Not Recorded*
NGW209/MW-9	10/17/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/22/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/22/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/22/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/22/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/22/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/22/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/22/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/22/1996	cis-1,2-Dichloroethene	19	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/22/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/22/1996	Tetrachloroethene	1.2	0.081	B, Carc	Yes	15	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/22/1996	Trichloroethene	110	0.49	B, Carc	Yes	224	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/22/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/22/1996	Vinyl Chloride	0.059	0.029	B, Carc	Yes	2.0	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/14/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/14/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/14/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/14/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/14/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/14/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/14/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW209/MW-9	3/14/1997	cis-1,2-Dichloroethene	27	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/14/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/14/1997	Tetrachloroethene	1.1	0.081	B, Carc	Yes	14	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/14/1997	Trichloroethene	120	0.49	B, Carc	Yes	245	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/14/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW209/MW-9	3/14/1997	Vinyl Chloride	0.059	0.029	B, Carc	Yes	2.0	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/26/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/26/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/26/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/26/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/26/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/26/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/26/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/26/1997	cis-1,2-Dichloroethene	33	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/26/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/26/1997	Tetrachloroethene	1.4	0.081	B, Carc	Yes	17	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/26/1997	trans-1,2-Dichloroethene	1.2	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/26/1997	Trichloroethene	130	0.49	B, Carc	Yes	265	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/26/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/26/1997	Vinyl Chloride	0.061	0.029	B, Carc	Yes	2.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/23/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/23/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/23/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/23/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/23/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/23/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/23/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/23/1998	cis-1,2-Dichloroethene	35	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/23/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/23/1998	Tetrachloroethene	1.2	0.081	B, Carc	Yes	15	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/23/1998	trans-1,2-Dichloroethene	1.3	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/23/1998	Trichloroethene	140	0.49	B, Carc	Yes	286	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/23/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/27/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/27/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/27/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/27/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/27/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/27/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/27/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/27/1998	cis-1,2-Dichloroethene	44	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/27/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/27/1998	Tetrachloroethene	1.4	0.081	B, Carc	Yes	17	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/27/1998	trans-1,2-Dichloroethene	2	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/27/1998	Trichloroethene	200	0.49	B, Carc	Yes	408	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/27/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/27/1998	Vinyl Chloride	0.11	0.029	B, Carc	Yes	3.8	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW209/MW-9	1/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/19/1999	1,2,3-Trichloropropane	1 U	0.0063	B, Carc	RLE	159	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/19/1999	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW209/MW-9	1/19/1999	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/19/1999	Acrylonitrile	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/19/1999	cis-1,2-Dichloroethene	30	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/19/1999	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/19/1999	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW209/MW-9	1/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/19/1999	trans-1,2-Dichloroethene	1.4	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/19/1999	Trichloroethene	120	0.49	B, Carc	Yes	245	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/19/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/19/1999	Vinyl Chloride	0.082	0.029	B, Carc	Yes	2.8	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/19/1999	cis-1,2-Dichloroethene	44	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/19/1999	trans-1,2-Dichloroethene	1.9	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/19/1999	Trichloroethene	130	0.49	B, Carc	Yes	265	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/19/1999	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/19/1999	Vinyl Chloride	0.037 M	0.029	B, Carc	Yes	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/22/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/22/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/22/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/22/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/22/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/22/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/22/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/22/2000	cis-1,2-Dichloroethene	38	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/22/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/22/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/22/2000	trans-1,2-Dichloroethene	1.4	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/22/2000	Trichloroethene	120	0.49	B, Carc	Yes	245	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/22/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW209/MW-9	2/22/2000	Vinyl Chloride	0.034	0.029	B, Carc	Yes	1.2	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/25/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/25/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/25/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/25/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/25/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/25/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/25/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/25/2000	cis-1,2-Dichloroethene	27	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/25/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/25/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/25/2000	Trichloroethene	59	0.49	B, Carc	Yes	120	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/25/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	7/25/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/20/2001	cis-1,2-Dichloroethene	21	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/20/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/20/2001	Trichloroethene	39	0.49	B, Carc	Yes	80	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/20/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/20/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/21/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/21/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/21/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/21/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/21/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/21/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/21/2001	cis-1,2-Dichloroethene	23	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/21/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/21/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/21/2001	Trichloroethene	52	0.49	B, Carc	Yes	106	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/21/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/21/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/19/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/19/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/19/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/19/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/19/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/19/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/19/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
NGW209/MW-9	2/19/2002	cis-1,2-Dichloroethene	23	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/19/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/19/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/19/2002	Trichloroethene	48	0.49	B, Carc	Yes	98	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/19/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	2/19/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW209/MW-9	8/20/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW209/MW-9	8/20/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	cis-1,2-Dichloroethene	32	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	cis-1,2-Dichloroethene	33	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW209/MW-9	8/20/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW209/MW-9	8/20/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Trichloroethene	52	0.49	B, Carc	Yes	106	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Trichloroethene	53	0.49	B, Carc	Yes	108	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW209/MW-9	8/20/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW209/MW-9	12/2/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW209/MW-9	12/2/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	12/2/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW209/MW-9	12/2/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW209/MW-9	12/2/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW209/MW-9	12/2/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	12/2/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW209/MW-9	12/2/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW209/MW-9	12/2/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	12/2/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW209/MW-9	12/2/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	12/2/2002	cis-1,2-Dichloroethene	35	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	12/2/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	12/2/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW209/MW-9	12/2/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW209/MW-9	12/2/2002	Methane	2200	NA	NA	NA	NA	NA	NA	NA	Not Recorded*
NGW209/MW-9	12/2/2002	Sulfate	69.6	NA	NA	NA	NA	NA	NA	NA	Not Recorded*
NGW209/MW-9	12/2/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW209/MW-9	12/2/2002	trans-1,2-Dichloroethene	1	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	12/2/2002	Trichloroethene	38	0.49	B, Carc	Yes	78	NA	NA	NA	Not Recorded*
NGW209/MW-9	12/2/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW209/MW-9	1/29/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW209/MW-9	1/29/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	cis-1,2-Dichloroethene	6.6	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	cis-1,2-Dichloroethene	35	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW209/MW-9	1/29/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW209/MW-9	1/29/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW209/MW-9	1/29/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	Trichloroethene	2	0.49	B, Carc	Yes	4.1	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	Trichloroethene	56	0.49	B, Carc	Yes	114	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW209/MW-9	1/29/2003	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	Calcium	57400	NA	NA	NA	NA	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	Chloride	11000	NA	NA	NA	NA	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	cis-1,2-Dichloroethene	22	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	Copper	118	590	B, NC	No	<1	120	No	<1	Not Recorded*
NGW210/MW-10	10/17/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	Fluoride	150	960	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	Iron	61300	NA	NA	NA	NA	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	Magnesium	29900	NA	NA	NA	NA	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	Manganese	968	2200	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	Potassium	9300	NA	NA	NA	NA	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	Sodium	28500	NA	NA	NA	NA	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	Sulfate	120000	NA	NA	NA	NA	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	Tetrachloroethene	3	0.081	B, Carc	Yes	37	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	Trichloroethene	260	0.49	B, Carc	Yes	531	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW210/MW-10	10/17/1995	Zinc	148	4800	B, NC	No	<1	76	Yes	1.9	Not Recorded*
NGW210/MW-10	3/22/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/22/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/22/1996	1,1-Dichloroethene	1.3	400	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/22/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/22/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/22/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/22/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/22/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/22/1996	cis-1,2-Dichloroethene	30	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/22/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/22/1996	Tetrachloroethene	3.1	0.081	B, Carc	Yes	38	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/22/1996	Trichloroethene	280	0.49	B, Carc	Yes	571	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/22/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/22/1996	Vinyl Chloride	0.087	0.029	B, Carc	Yes	3.0	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/14/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/14/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/14/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/14/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/14/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW210/MW-10	3/14/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/14/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/14/1997	cis-1,2-Dichloroethene	28	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/14/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/14/1997	Tetrachloroethene	2	0.081	B, Carc	Yes	25	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/14/1997	Trichloroethene	160	0.49	B, Carc	Yes	327	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/14/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW210/MW-10	3/14/1997	Vinyl Chloride	0.046	0.029	B, Carc	Yes	1.6	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/26/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/26/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/26/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/26/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/26/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/26/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/26/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/26/1997	cis-1,2-Dichloroethene	42	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/26/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/26/1997	Tetrachloroethene	2.1	0.081	B, Carc	Yes	26	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/26/1997	Trichloroethene	120	0.49	B, Carc	Yes	245	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/26/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/26/1997	Vinyl Chloride	0.029	0.029	B, Carc	No	1.0	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/23/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/23/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/23/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/23/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/23/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/23/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/23/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/23/1998	cis-1,2-Dichloroethene	37	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/23/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/23/1998	Tetrachloroethene	1.5	0.081	B, Carc	Yes	19	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/23/1998	Trichloroethene	120	0.49	B, Carc	Yes	245	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/23/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/27/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/27/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/27/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/27/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/27/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/27/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/27/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/27/1998	cis-1,2-Dichloroethene	41	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/27/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/27/1998	Tetrachloroethene	1.5	0.081	B, Carc	Yes	19	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/27/1998	Trichloroethene	130	0.49	B, Carc	Yes	265	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/27/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/27/1998	Vinyl Chloride	0.07	0.029	B, Carc	Yes	2.4	NA	NA	NA	Not Recorded*
NGW210/MW-10	1/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW210/MW-10	1/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	1/19/1999	1,2,3-Trichloropropane	1 U	0.0063	B, Carc	RLE	159	NA	NA	NA	Not Recorded*
NGW210/MW-10	1/19/1999	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW210/MW-10	1/19/1999	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW210/MW-10	1/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW210/MW-10	1/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW210/MW-10	1/19/1999	Acrylonitrile	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	Not Recorded*
NGW210/MW-10	1/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	1/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW210/MW-10	1/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	1/19/1999	cis-1,2-Dichloroethene	57	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	1/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	1/19/1999	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW210/MW-10	1/19/1999	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW210/MW-10	1/19/1999	Tetrachloroethene	1.3	0.081	B, Carc	Yes	16	NA	NA	NA	Not Recorded*
NGW210/MW-10	1/19/1999	Trichloroethene	140	0.49	B, Carc	Yes	286	NA	NA	NA	Not Recorded*
NGW210/MW-10	1/19/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW210/MW-10	1/19/1999	Vinyl Chloride	0.089	0.029	B, Carc	Yes	3.1	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/19/1999	cis-1,2-Dichloroethene	32	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/19/1999	Trichloroethene	55	0.49	B, Carc	Yes	112	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/19/1999	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/22/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/22/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/22/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/22/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/22/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/22/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/22/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/22/2000	cis-1,2-Dichloroethene	90	80	B, NC	Yes	1.1	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/22/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/22/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/22/2000	Trichloroethene	80	0.49	B, Carc	Yes	163	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/22/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/22/2000	Vinyl Chloride	0.031	0.029	B, Carc	Yes	1.1	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/25/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/25/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/25/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/25/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW210/MW-10	7/25/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/25/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/25/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/25/2000	cis-1,2-Dichloroethene	51	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/25/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/25/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/25/2000	Trichloroethene	58	0.49	B, Carc	Yes	118	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/25/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	7/25/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/20/2001	cis-1,2-Dichloroethene	73	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/20/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/20/2001	Trichloroethene	48	0.49	B, Carc	Yes	98	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/20/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	cis-1,2-Dichloroethene	56	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	cis-1,2-Dichloroethene	63	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	Trichloroethene	36	0.49	B, Carc	Yes	73	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	Trichloroethene	38	0.49	B, Carc	Yes	78	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/21/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW210/MW-10	2/19/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	cis-1,2-Dichloroethene	58	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	cis-1,2-Dichloroethene	64	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	trans-1,2-Dichloroethene	1.1	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	Trichloroethene	40	0.49	B, Carc	Yes	82	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	Trichloroethene	41	0.49	B, Carc	Yes	84	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW210/MW-10	2/19/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/20/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/20/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/20/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/20/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW210/MW-10	8/20/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/20/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/20/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/20/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/20/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/20/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/20/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/20/2002	cis-1,2-Dichloroethene	68	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/20/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/20/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/20/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW210/MW-10	8/20/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/20/2002	trans-1,2-Dichloroethene	1.8	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/20/2002	Trichloroethene	54	0.49	B, Carc	Yes	110	NA	NA	NA	Not Recorded*
NGW210/MW-10	8/20/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW211/MW-11	10/17/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW211/MW-11	10/17/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	10/17/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW211/MW-11	10/17/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW211/MW-11	10/17/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	10/17/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW211/MW-11	10/17/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	10/17/1995	cis-1,2-Dichloroethene	3.2	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW211/MW-11	10/17/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	10/17/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW211/MW-11	10/17/1995	Trichloroethene	46	0.49	B, Carc	Yes	94	NA	NA	NA	Not Recorded*
NGW211/MW-11	10/17/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/22/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/22/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/22/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/22/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/22/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/22/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/22/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/22/1996	cis-1,2-Dichloroethene	5.8	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/22/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/22/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/22/1996	Trichloroethene	58	0.49	B, Carc	Yes	118	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/22/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/22/1996	Vinyl Chloride	0.034	0.029	B, Carc	Yes	1.2	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/14/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/14/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/14/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/14/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/14/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/14/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/14/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/14/1997	cis-1,2-Dichloroethene	6.4	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/14/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/14/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/14/1997	Trichloroethene	51	0.49	B, Carc	Yes	104	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/14/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW211/MW-11	3/14/1997	Vinyl Chloride	0.031	0.029	B, Carc	Yes	1.1	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/26/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/26/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/26/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/26/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/26/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/26/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/26/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/26/1997	cis-1,2-Dichloroethene	11	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/26/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/26/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
NGW211/MW-11	8/26/1997	Trichloroethene	66	0.49	B, Carc	Yes	135	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/26/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/26/1997	Vinyl Chloride	0.047	0.029	B, Carc	Yes	1.6	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/23/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/23/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/23/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/23/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/23/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/23/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/23/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/23/1998	cis-1,2-Dichloroethene	11	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/23/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/23/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/23/1998	Trichloroethene	60	0.49	B, Carc	Yes	122	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/23/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/27/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/27/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/27/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/27/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/27/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/27/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/27/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/27/1998	cis-1,2-Dichloroethene	17	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/27/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/27/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/27/1998	Trichloroethene	72	0.49	B, Carc	Yes	147	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/27/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/27/1998	Vinyl Chloride	0.068	0.029	B, Carc	Yes	2.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	1,2,3-Trichloropropane	1 U	0.0063	B, Carc	RLE	159	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	1,2,3-Trichloropropane	1 U	0.0063	B, Carc	RLE	159	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW211/MW-11	1/19/1999	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW211/MW-11	1/19/1999	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Acrylonitrile	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Acrylonitrile	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW211/MW-11	1/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	cis-1,2-Dichloroethene	12	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	cis-1,2-Dichloroethene	14	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW211/MW-11	1/19/1999	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW211/MW-11	1/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Trichloroethene	40	0.49	B, Carc	Yes	82	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Trichloroethene	40	0.49	B, Carc	Yes	82	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Vinyl Chloride	0.031	0.029	B, Carc	Yes	1.1	NA	NA	NA	Not Recorded*
NGW211/MW-11	1/19/1999	Vinyl Chloride	0.041	0.029	B, Carc	Yes	1.4	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/19/1999	cis-1,2-Dichloroethene	29	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/19/1999	Trichloroethene	50	0.49	B, Carc	Yes	102	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/19/1999	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/19/1999	Vinyl Chloride	0.051	0.029	B, Carc	Yes	1.8	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/22/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/22/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/22/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/22/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/22/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/22/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/22/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/22/2000	cis-1,2-Dichloroethene	13	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/22/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/22/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/22/2000	Trichloroethene	36	0.49	B, Carc	Yes	73	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/22/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/22/2000	Vinyl Chloride	0.016	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/25/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/25/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW211/MW-11	7/25/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/25/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/25/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/25/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/25/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/25/2000	cis-1,2-Dichloroethene	27	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/25/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/25/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/25/2000	Trichloroethene	27	0.49	B, Carc	Yes	55	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/25/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	7/25/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/20/2001	cis-1,2-Dichloroethene	31	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/20/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/20/2001	Trichloroethene	23	0.49	B, Carc	Yes	47	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/20/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/20/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/21/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/21/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/21/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/21/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/21/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/21/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/21/2001	cis-1,2-Dichloroethene	26	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/21/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/21/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/21/2001	Trichloroethene	16	0.49	B, Carc	Yes	33	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/21/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/19/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/19/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/19/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/19/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/19/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/19/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/19/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/19/2002	cis-1,2-Dichloroethene	16	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/19/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/19/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/19/2002	Trichloroethene	18	0.49	B, Carc	Yes	37	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW211/MW-11	2/19/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	2/19/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/20/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/20/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/20/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/20/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW211/MW-11	8/20/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/20/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/20/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/20/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/20/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/20/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/20/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/20/2002	cis-1,2-Dichloroethene	25	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/20/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/20/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/20/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW211/MW-11	8/20/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/20/2002	Trichloroethene	20	0.49	B, Carc	Yes	41	NA	NA	NA	Not Recorded*
NGW211/MW-11	8/20/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW212	12/2/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW212	12/2/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	12/2/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW212	12/2/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW212	12/2/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW212	12/2/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW212	12/2/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW212	12/2/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	12/2/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	12/2/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW212	12/2/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW212	12/2/2002	cis-1,2-Dichloroethene	26	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	12/2/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW212	12/2/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW212	12/2/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW212	12/2/2002	Methane	1200	NA	NA	NA	NA	NA	NA	NA	Not Recorded*
NGW212	12/2/2002	Sulfate	24.2	NA	NA	NA	NA	NA	NA	NA	Not Recorded*
NGW212	12/2/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	12/2/2002	Trichloroethene	32	0.49	B, Carc	Yes	65	NA	NA	NA	Not Recorded*
NGW212	12/2/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	1,1-Dichloroethene	1.1	400	B, NC	No	<1	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW212	1/29/2003	1,1-Dichloroethene	1.5	400	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW212	1/29/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW212	1/29/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW212	1/29/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	cis-1,2-Dichloroethene	300	80	B, NC	Yes	3.8	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	cis-1,2-Dichloroethene	440	80	B, NC	Yes	5.5	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	cis-1,2-Dichloroethene	76	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW212	1/29/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW212	1/29/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW212	1/29/2003	MEK (2-Butanone)	11	4800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	trans-1,2-Dichloroethene	1.3	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	trans-1,2-Dichloroethene	1.7	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Trichloroethene	10	0.49	B, Carc	Yes	20	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW212	1/29/2003	Trichloroethene	150	0.49	B, Carc	Yes	306	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Trichloroethene	200	0.49	B, Carc	Yes	408	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Vinyl Chloride	200	0.029	B, Carc	Yes	6897	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Vinyl Chloride	230	0.029	B, Carc	Yes	7931	NA	NA	NA	Not Recorded*
NGW212	1/29/2003	Vinyl Chloride	240	0.029	B, Carc	Yes	8276	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW212	2/18/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW212	2/18/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW212	2/18/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW212	2/18/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Acetone	5.1	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Acetone	7.4	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Acetone	7.7	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Acetone	7.9	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW212	2/18/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	cis-1,2-Dichloroethene	90	80	B, NC	Yes	1.1	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	cis-1,2-Dichloroethene	90	80	B, NC	Yes	1.1	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	cis-1,2-Dichloroethene	110	80	B, NC	Yes	1.4	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	cis-1,2-Dichloroethene	62	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW212	2/18/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW212	2/18/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW212	2/18/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW212	2/18/2003	MEK (2-Butanone)	11	4800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	MEK (2-Butanone)	18	4800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	MEK (2-Butanone)	20	4800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	MEK (2-Butanone)	21	4800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Trichloroethene	13	0.49	B, Carc	Yes	27	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Trichloroethene	29	0.49	B, Carc	Yes	59	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Trichloroethene	29	0.49	B, Carc	Yes	59	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Trichloroethene	46	0.49	B, Carc	Yes	94	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Vinyl Chloride	51	0.029	B, Carc	Yes	1759	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Vinyl Chloride	82	0.029	B, Carc	Yes	2828	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Vinyl Chloride	98	0.029	B, Carc	Yes	3379	NA	NA	NA	Not Recorded*
NGW212	2/18/2003	Vinyl Chloride	100	0.029	B, Carc	Yes	3448	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW212	7/15/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW212	7/15/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW212	7/15/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW212	7/15/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW212	7/15/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	cis-1,2-Dichloroethene	56	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	cis-1,2-Dichloroethene	68	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	cis-1,2-Dichloroethene	72	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	cis-1,2-Dichloroethene	79	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW212	7/15/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW212	7/15/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW212	7/15/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW212	7/15/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW212	7/15/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Trichloroethene	38	0.49	B, Carc	Yes	78	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Trichloroethene	48	0.49	B, Carc	Yes	98	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Trichloroethene	51	0.49	B, Carc	Yes	104	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Trichloroethene	54	0.49	B, Carc	Yes	110	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Vinyl Chloride	34	0.029	B, Carc	Yes	1172	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Vinyl Chloride	48	0.029	B, Carc	Yes	1655	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Vinyl Chloride	52	0.029	B, Carc	Yes	1793	NA	NA	NA	Not Recorded*
NGW212	7/15/2003	Vinyl Chloride	57	0.029	B, Carc	Yes	1966	NA	NA	NA	Not Recorded*
NGW212	2/10/2004	cis-1,2-Dichloroethene	14	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	2/10/2004	cis-1,2-Dichloroethene	16	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	2/10/2004	Trichloroethene	25	0.49	B, Carc	Yes	51	NA	NA	NA	Not Recorded*
NGW212	2/10/2004	Trichloroethene	28	0.49	B, Carc	Yes	57	NA	NA	NA	Not Recorded*
NGW212	2/10/2004	Vinyl Chloride	15	0.029	B, Carc	Yes	517	NA	NA	NA	Not Recorded*
NGW212	2/10/2004	Vinyl Chloride	17	0.029	B, Carc	Yes	586	NA	NA	NA	Not Recorded*
NGW212	8/9/2004	cis-1,2-Dichloroethene	17	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	8/9/2004	Trichloroethene	30	0.49	B, Carc	Yes	61	NA	NA	NA	Not Recorded*
NGW212	8/9/2004	Vinyl Chloride	8.8	0.029	B, Carc	Yes	303	NA	NA	NA	Not Recorded*
NGW212	2/7/2005	cis-1,2-Dichloroethene	13	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	2/7/2005	cis-1,2-Dichloroethene	14	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	2/7/2005	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	2/7/2005	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW212	2/7/2005	Trichloroethene	19	0.49	B, Carc	Yes	39	NA	NA	NA	Not Recorded*
NGW212	2/7/2005	Trichloroethene	20	0.49	B, Carc	Yes	41	NA	NA	NA	Not Recorded*
NGW212	2/7/2005	Vinyl Chloride	3.4	0.029	B, Carc	Yes	117	NA	NA	NA	Not Recorded*
NGW212	2/7/2005	Vinyl Chloride	4	0.029	B, Carc	Yes	138	NA	NA	NA	Not Recorded*
NGW212	8/18/2005	cis-1,2-Dichloroethene	15	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	8/18/2005	Trichloroethene	24	0.49	B, Carc	Yes	49	NA	NA	NA	Not Recorded*
NGW212	8/18/2005	Vinyl Chloride	3.6	0.029	B, Carc	Yes	124	NA	NA	NA	Not Recorded*
NGW212	2/21/2006	cis-1,2-Dichloroethene	9.8	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	2/21/2006	Trichloroethene	17	0.49	B, Carc	Yes	35	NA	NA	NA	Not Recorded*
NGW212	2/21/2006	Vinyl Chloride	3.2	0.029	B, Carc	Yes	110	NA	NA	NA	Not Recorded*
NGW212	8/14/2006	cis-1,2-Dichloroethene	11	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	8/14/2006	Trichloroethene	12	0.49	B, Carc	Yes	24	NA	NA	NA	Not Recorded*
NGW212	8/14/2006	Vinyl Chloride	3.2 U	0.029	B, Carc	RLE	110	NA	NA	NA	Not Recorded*
NGW212	2/20/2007	cis-1,2-Dichloroethene	9.6	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	2/20/2007	Trichloroethene	12	0.49	B, Carc	Yes	24	NA	NA	NA	Not Recorded*
NGW212	2/20/2007	Vinyl Chloride	3.1	0.029	B, Carc	Yes	107	NA	NA	NA	Not Recorded*
NGW212	8/22/2007	cis-1,2-Dichloroethene	14	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	8/22/2007	Trichloroethene	16	0.49	B, Carc	Yes	33	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
NGW212	8/22/2007	Vinyl Chloride	4.4	0.029	B, Carc	Yes	152	NA	NA	NA	Not Recorded*
NGW212	2/19/2008	cis-1,2-Dichloroethene	20	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	2/19/2008	Trichloroethene	10	0.49	B, Carc	Yes	20	NA	NA	NA	Not Recorded*
NGW212	2/19/2008	Vinyl Chloride	5.1	0.029	B, Carc	Yes	176	NA	NA	NA	Not Recorded*
NGW212	8/20/2008	cis-1,2-Dichloroethene	17	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW212	8/20/2008	Trichloroethene	11	0.49	B, Carc	Yes	22	NA	NA	NA	Not Recorded*
NGW212	8/20/2008	Vinyl Chloride	4.3	0.029	B, Carc	Yes	148	NA	NA	NA	Not Recorded*
<b>Buildings 7-027-1, 7-027-2, and 7-027-3 (Markov Property)</b>											
NGW251/MW-1	11/20/1991	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	SEACOR 2/14/92*
NGW251/MW-1	2/3/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SEACOR 6/15/93*
NGW251/MW-1	1/16/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW251/MW-1	1/16/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW251/MW-1	1/16/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW251/MW-1	1/16/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW251/MW-1	1/16/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW251/MW-1	1/16/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW251/MW-1	1/16/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW251/MW-1	1/16/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW251/MW-1	1/16/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW251/MW-1	1/16/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW251/MW-1	1/16/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW251/MW-1	1/16/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW251/MW-1	1/16/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW251/MW-1	1/16/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW251/MW-1	1/16/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW251/MW-1	1/16/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW251/MW-1	1/16/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW252/MW-2	11/20/1991	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	Antimony	50 U	6.4	B, NC	RLE	7.8	370	No	<1	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	Arsenic	5 U	0.058	B, Carc	RLE	86	370	No	<1	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	Benzene	4	0.8	B, Carc	Yes	5.0	NA	NA	NA	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	Copper	9.8	590	B, NC	No	<1	120	No	<1	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	Ethylbenzene	100	700	A	No	<1	NA	NA	NA	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	<b>Lead</b>	<b>46</b>	<b>15</b>	<b>A</b>	<b>Yes</b>	<b>3.1</b>	<b>13</b>	<b>Yes</b>	<b>3.5</b>	<b>SEACOR 2/14/92*</b>
NGW252/MW-2	11/20/1991	Mercury	0.4 U	2	A	No	<1	0.0074	RLE	54	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	Methylene Chloride	3 JB	5	A	No	<1	NA	NA	NA	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	Silver	5 U	80	B, NC	No	<1	1.5	RLE	3.3	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	Toluene	2	640	B, NC	No	<1	NA	NA	NA	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	Total Petroleum Hydrocarbons	1700	500	A	Yes	3.4	NA	NA	NA	SEACOR 2/14/92*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
NGW252/MW-2	11/20/1991	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	Xylenes, total	380	1000	A	No	<1	NA	NA	NA	SEACOR 2/14/92*
NGW252/MW-2	11/20/1991	Zinc	16	4800	B, NC	No	<1	76	No	<1	SEACOR 2/14/92*
NGW252/MW-2	2/3/1993	Benzene	1.4	0.8	B, Carc	Yes	1.8	NA	NA	NA	SEACOR 6/15/93*
NGW252/MW-2	2/3/1993	Benzene	1.5	0.8	B, Carc	Yes	1.9	NA	NA	NA	SEACOR 6/15/93*
NGW252/MW-2	2/3/1993	Ethylbenzene	34	700	A	No	<1	NA	NA	NA	SEACOR 6/15/93*
NGW252/MW-2	2/3/1993	Ethylbenzene	38	700	A	No	<1	NA	NA	NA	SEACOR 6/15/93*
NGW252/MW-2	2/3/1993	Gasoline Range Hydrocarbons	1500	800	A	Yes	1.9	NA	NA	NA	SEACOR 6/15/93*
NGW252/MW-2	2/3/1993	Gasoline Range Hydrocarbons	1600	800	A	Yes	2.0	NA	NA	NA	SEACOR 6/15/93*
NGW252/MW-2	2/3/1993	Xylenes, total	91	1000	A	No	<1	NA	NA	NA	SEACOR 6/15/93*
NGW252/MW-2	2/3/1993	Xylenes, total	96	1000	A	No	<1	NA	NA	NA	SEACOR 6/15/93*
NGW252/MW-2	1/16/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW252/MW-2	1/16/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW252/MW-2	1/16/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW252/MW-2	1/16/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW252/MW-2	1/16/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW252/MW-2	1/16/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW252/MW-2	1/16/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW252/MW-2	1/16/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW252/MW-2	1/16/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW252/MW-2	1/16/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW252/MW-2	1/16/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW252/MW-2	1/16/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW252/MW-2	1/16/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW252/MW-2	1/16/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW252/MW-2	1/16/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW252/MW-2	1/16/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW252/MW-2	1/16/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW253/MW-3	11/20/1991	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SEACOR 2/14/92*
NGW253/MW-3	11/20/1991	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	SEACOR 2/14/92*
NGW253/MW-3	11/20/1991	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	SEACOR 2/14/92*
NGW253/MW-3	11/20/1991	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	SEACOR 2/14/92*
NGW253/MW-3	11/20/1991	Aroclor 1254	1 U	0.32	B, NC	RLE	3.1	0.86	RLE	1.2	SEACOR 2/14/92*
NGW253/MW-3	11/20/1991	Aroclor 1260	1 U	NA	NA	NA	NA	0.31	RLE	3.2	SEACOR 2/14/92*
NGW253/MW-3	11/20/1991	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SEACOR 2/14/92*
NGW253/MW-3	11/20/1991	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SEACOR 2/14/92*
NGW253/MW-3	11/20/1991	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	SEACOR 2/14/92*
NGW253/MW-3	11/20/1991	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	SEACOR 2/14/92*
NGW253/MW-3	11/20/1991	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SEACOR 2/14/92*
NGW253/MW-3	11/20/1991	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SEACOR 2/14/92*
NGW253/MW-3	11/20/1991	Total Petroleum Hydrocarbons	2000	500	A	Yes	4.0	NA	NA	NA	SEACOR 2/14/92*
NGW253/MW-3	11/20/1991	Trichloroethene	24	0.49	B, Carc	Yes	49	NA	NA	NA	SEACOR 2/14/92*
NGW253/MW-3	11/20/1991	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	SEACOR 2/14/92*
NGW253/MW-3	2/3/1993	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SEACOR 6/15/93*
NGW253/MW-3	2/3/1993	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	SEACOR 6/15/93*
NGW253/MW-3	2/3/1993	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	SEACOR 6/15/93*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW253/MW-3	2/3/1993	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	SECOR 6/15/93*
NGW253/MW-3	2/3/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/15/93*
NGW253/MW-3	2/3/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 6/15/93*
NGW253/MW-3	2/3/1993	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	SECOR 6/15/93*
NGW253/MW-3	2/3/1993	cis-1,2-Dichloroethene	1.8	80	B, NC	No	<1	NA	NA	NA	SECOR 6/15/93*
NGW253/MW-3	2/3/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 6/15/93*
NGW253/MW-3	2/3/1993	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 6/15/93*
NGW253/MW-3	2/3/1993	Trichloroethene	22	0.49	B, Carc	Yes	44.9	NA	NA	NA	SECOR 6/15/93*
NGW253/MW-3	2/3/1993	Vinyl Chloride	1.1 M	0.029	B, Carc	Yes	38	NA	NA	NA	SECOR 6/15/93*
NGW253/MW-3	1/16/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW253/MW-3	1/16/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW253/MW-3	1/16/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW253/MW-3	1/16/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW253/MW-3	1/16/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW253/MW-3	1/16/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW253/MW-3	1/16/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW253/MW-3	1/16/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW253/MW-3	1/16/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW253/MW-3	1/16/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW253/MW-3	1/16/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW253/MW-3	1/16/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW253/MW-3	1/16/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW253/MW-3	1/16/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW253/MW-3	1/16/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW253/MW-3	1/16/2002	Trichloroethene	8	0.49	B, Carc	Yes	16	NA	NA	NA	Not Recorded*
NGW253/MW-3	1/16/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW254/MW-4	11/20/1991	Antimony	50 U	6.4	B, NC	RLE	7.8	370	No	<1	SEACOR 2/14/92*
NGW254/MW-4	11/20/1991	Arsenic	5 U	0.058	B, Carc	RLE	86	370	No	<1	SEACOR 2/14/92*
NGW254/MW-4	11/20/1991	Copper	9.4	590	B, NC	No	<1	120	No	<1	SEACOR 2/14/92*
NGW254/MW-4	11/20/1991	Mercury	0.4 U	2	A	No	<1	0.0074	RLE	54	SEACOR 2/14/92*
NGW254/MW-4	11/20/1991	Silver	5 U	80	B, NC	No	<1	1.5	RLE	3.3	SEACOR 2/14/92*
NGW254/MW-4	11/20/1991	Total Petroleum Hydrocarbons	1700	500	A	Yes	3.4	NA	NA	NA	SEACOR 2/14/92*
NGW254/MW-4	2/3/1993	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SECOR 6/15/93*
NGW254/MW-4	2/3/1993	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/15/93*
NGW254/MW-4	2/3/1993	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	SECOR 6/15/93*
NGW254/MW-4	2/3/1993	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	SECOR 6/15/93*
NGW254/MW-4	2/3/1993	Acetone	5.2 B	800	B, NC	No	<1	NA	NA	NA	SECOR 6/15/93*
NGW254/MW-4	2/3/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/15/93*
NGW254/MW-4	2/3/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 6/15/93*
NGW254/MW-4	2/3/1993	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	SECOR 6/15/93*
NGW254/MW-4	2/3/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 6/15/93*
NGW254/MW-4	2/3/1993	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 6/15/93*
NGW254/MW-4	2/3/1993	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 6/15/93*
NGW254/MW-4	2/3/1993	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	SECOR 6/15/93*
NGW254/MW-4	1/16/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW254/MW-4	1/16/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW254/MW-4	1/16/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW254/MW-4	1/16/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW254/MW-4	1/16/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW254/MW-4	1/16/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW254/MW-4	1/16/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW254/MW-4	1/16/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW254/MW-4	1/16/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW254/MW-4	1/16/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW254/MW-4	1/16/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW254/MW-4	1/16/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW254/MW-4	1/16/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW254/MW-4	1/16/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW254/MW-4	1/16/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW254/MW-4	1/16/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW254/MW-4	1/16/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
<b>Building 3-380</b>											
GT-1	3/20/1989	1,1,2,2-Tetrachloroethane	5 U	0.22	B, Carc	RLE	23	NA	NA	NA	GTI 3/29/89
GT-1	3/20/1989	1,1,2-Trichloroethane	5 U	0.77	B, Carc	RLE	6.5	NA	NA	NA	GTI 3/29/89
GT-1	3/20/1989	1,2-Dichloroethane	5 U	0.48	B, Carc	RLE	10	NA	NA	NA	GTI 3/29/89
GT-1	3/20/1989	1,2-Dichloropropane	5 U	0.64	B, Carc	RLE	7.8	NA	NA	NA	GTI 3/29/89
GT-1	3/20/1989	1,4-Dichlorobenzene	5 U	1.8	B, Carc	RLE	2.8	21	No	<1	GTI 3/29/89
GT-1	3/20/1989	Arsenic	0.061	0.058	B, Carc	Yes	1.1	370	No	<1	GTI 3/29/89
GT-1	3/20/1989	Benzene	5 U	0.8	B, Carc	RLE	6.3	NA	NA	NA	GTI 3/29/89
GT-1	3/20/1989	Bromodichloromethane	5 U	0.71	B, Carc	RLE	7.0	NA	NA	NA	GTI 3/29/89
GT-1	3/20/1989	Carbon Tetrachloride	5 U	0.34	B, Carc	RLE	15	NA	NA	NA	GTI 3/29/89
GT-1	3/20/1989	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	GTI 3/29/89
GT-1	3/20/1989	Chromium	0.069	50	A	No	<1	320	No	<1	GTI 3/29/89
GT-1	3/20/1989	Copper	0.36	590	B, NC	No	<1	120	No	<1	GTI 3/29/89
GT-1	3/20/1989	Dibromochloromethane	5 U	0.52	B, Carc	RLE	9.6	NA	NA	NA	GTI 3/29/89
GT-1	3/20/1989	Mercury	0.004	2	A	No	<1	0.0074	No	<1	GTI 3/29/89
GT-1	3/20/1989	Styrene	5 U	1.5	B, Carc	RLE	3.3	NA	NA	NA	GTI 3/29/89
GT-1	3/20/1989	Tetrachloroethene	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	GTI 3/29/89
GT-1	3/20/1989	Trichloroethene	5 U	0.49	B, Carc	RLE	10	NA	NA	NA	GTI 3/29/89
GT-1	3/20/1989	Vinyl Chloride	10 U	0.029	B, Carc	RLE	345	NA	NA	NA	GTI 3/29/89
GT-1	3/20/1989	Zinc	0.18	4800	B, NC	No	<1	76	No	<1	GTI 3/29/89
GT-1	3/5/1990	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	1,2,4-Trichlorobenzene	10 U	80	B, NC	No	<1	2.5	RLE	4.0	GTI 5/1990
GT-1	3/5/1990	1,2-Dichlorobenzene	10 U	720	B, NC	No	<1	5.2	RLE	1.9	GTI 5/1990
GT-1	3/5/1990	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	1,4-Dichlorobenzene	10 U	1.8	B, Carc	RLE	5.6	21	No	<1	GTI 5/1990
GT-1	3/5/1990	2,4,6-Trichlorophenol	10 U	4	B, Carc	RLE	2.5	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	2,4-Dimethylphenol	10 U	160	B, NC	No	<1	2.0	RLE	5.0	GTI 5/1990
GT-1	3/5/1990	2,4-Dinitrophenol	50 U	32	B, NC	RLE	1.6	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	2-Methylphenol (o-cresol)	10 U	400	B, NC	No	<1	7.1	RLE	1.4	GTI 5/1990
GT-1	3/5/1990	3,3'-Dichlorobenzidine	20 U	0.19	B, Carc	RLE	105	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	Acenaphthene	10 U	960	B, NC	No	<1	9.3	RLE	1.1	GTI 5/1990

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
GT-1	3/5/1990	Aniline	10 U	7.7	B, Carc	RLE	1.3	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	Antimony	10 U	6.4	B, NC	RLE	1.6	370	No	<1	GTI 5/1990
GT-1	3/5/1990	Arsenic	17	0.058	B, Carc	Yes	293	370	No	<1	GTI 5/1990
GT-1	3/5/1990	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	Benzidine	100 U	0.00038	B, Carc	RLE	263158	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	Benzo(a)anthracene	10 U	NA	NA	NA	NA	0.63	RLE	16	GTI 5/1990
GT-1	3/5/1990	Benzo(a)pyrene	10 U	0.012	B, Carc	RLE	833	0.27	RLE	37	GTI 5/1990
GT-1	3/5/1990	Benzo(b)fluoranthene	10 U	NA	NA	NA	NA	0.56	RLE	18	GTI 5/1990
GT-1	3/5/1990	Benzo(g,h,i)perylene	10 U	NA	NA	NA	NA	0.029	RLE	345	GTI 5/1990
GT-1	3/5/1990	Benzo(k)fluoranthene	10 U	NA	NA	NA	NA	0.57	RLE	18	GTI 5/1990
GT-1	3/5/1990	bis(2-chloroethyl)ether	10 U	0.04	B, Carc	RLE	250	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	bis(2-Ethylhexyl)phthalate	10 U	6.3	B, Carc	RLE	1.6	0.47	RLE	21	GTI 5/1990
GT-1	3/5/1990	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	Butyl benzyl phthalate	10 U	3200	B, NC	No	<1	6.8	RLE	1.5	GTI 5/1990
GT-1	3/5/1990	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	Chromium	100	50	A	Yes	2.0	320	No	<1	GTI 5/1990
GT-1	3/5/1990	Chrysene	10 U	NA	NA	NA	NA	1.9	RLE	5.3	GTI 5/1990
GT-1	3/5/1990	Copper	60	590	B, NC	No	<1	120	No	<1	GTI 5/1990
GT-1	3/5/1990	Dibenz(a,h)anthracene	10 U	NA	NA	NA	NA	0.013	RLE	769	GTI 5/1990
GT-1	3/5/1990	Dibenzofuran	10 U	32	B, NC	No	<1	5.1	RLE	2.0	GTI 5/1990
GT-1	3/5/1990	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	Fluorene	10 U	640	B, NC	No	<1	7.0	RLE	1.4	GTI 5/1990
GT-1	3/5/1990	Hexachlorobenzene	10 U	0.055	B, Carc	RLE	182	0.029	RLE	345	GTI 5/1990
GT-1	3/5/1990	Hexachlorobutadiene	10 U	0.56	B, Carc	RLE	18	6.2	RLE	1.6	GTI 5/1990
GT-1	3/5/1990	Hexachloroethane	10 U	3.1	B, Carc	RLE	3.2	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	Indeno(1,2,3-cd)pyrene	10 U	NA	NA	NA	NA	0.033	RLE	303	GTI 5/1990
GT-1	3/5/1990	Mercury	0.5 U	2	A	No	<1	0.0074	RLE	68	GTI 5/1990
GT-1	3/5/1990	Nitrobenzene	10 U	4	B, NC	RLE	2.5	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	N-nitrosodimethylamine	10 U	0.00086	B, Carc	RLE	11628	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	N-nitrosodiphenylamine	10 U	NA	NA	NA	NA	2.0	RLE	5.0	GTI 5/1990
GT-1	3/5/1990	Pentachlorophenol	50 U	0.73	B, Carc	RLE	68	10	RLE	5.0	GTI 5/1990
GT-1	3/5/1990	Silver	20 U	80	B, NC	No	<1	1.5	RLE	13	GTI 5/1990
GT-1	3/5/1990	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	GTI 5/1990
GT-1	3/5/1990	Zinc	40	4800	B, NC	No	<1	76	No	<1	GTI 5/1990
GT-2	3/20/1989	1,1,2,2-Tetrachloroethane	5 U	0.22	B, Carc	RLE	23	NA	NA	NA	GTI 3/29/89
GT-2	3/20/1989	1,1,2-Trichloroethane	5 U	0.77	B, Carc	RLE	6.5	NA	NA	NA	GTI 3/29/89
GT-2	3/20/1989	1,2-Dichloroethane	5 U	0.48	B, Carc	RLE	10	NA	NA	NA	GTI 3/29/89
GT-2	3/20/1989	1,2-Dichloropropane	5 U	0.64	B, Carc	RLE	7.8	NA	NA	NA	GTI 3/29/89
GT-2	3/20/1989	1,4-Dichlorobenzene	5 U	1.8	B, Carc	RLE	2.8	21	No	<1	GTI 3/29/89
GT-2	3/20/1989	Arsenic	0.036	0.058	B, Carc	No	<1	370	No	<1	GTI 3/29/89
GT-2	3/20/1989	Benzene	5 U	0.8	B, Carc	RLE	6.3	NA	NA	NA	GTI 3/29/89
GT-2	3/20/1989	Bromodichloromethane	5 U	0.71	B, Carc	RLE	7.0	NA	NA	NA	GTI 3/29/89
GT-2	3/20/1989	Carbon Tetrachloride	5 U	0.34	B, Carc	RLE	15	NA	NA	NA	GTI 3/29/89



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
GT-2	3/20/1989	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	GTI 3/29/89
GT-2	3/20/1989	Copper	0.05	590	B, NC	No	<1	120	No	<1	GTI 3/29/89
GT-2	3/20/1989	Dibromochloromethane	5 U	0.52	B, Carc	RLE	9.6	NA	NA	NA	GTI 3/29/89
GT-2	3/20/1989	Mercury	0.003	2	A	No	<1	0.0074	No	<1	GTI 3/29/89
GT-2	3/20/1989	Styrene	5 U	1.5	B, Carc	RLE	3.3	NA	NA	NA	GTI 3/29/89
GT-2	3/20/1989	Tetrachloroethene	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	GTI 3/29/89
GT-2	3/20/1989	Trichloroethene	5 U	0.49	B, Carc	RLE	10	NA	NA	NA	GTI 3/29/89
GT-2	3/20/1989	Vinyl Chloride	10 U	0.029	B, Carc	RLE	345	NA	NA	NA	GTI 3/29/89
GT-2	3/5/1990	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	1,2,4-Trichlorobenzene	10 U	80	B, NC	No	<1	2.5	RLE	4.0	GTI 5/1990
GT-2	3/5/1990	1,2-Dichlorobenzene	10 U	720	B, NC	No	<1	5.2	RLE	1.9	GTI 5/1990
GT-2	3/5/1990	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	1,4-Dichlorobenzene	10 U	1.8	B, Carc	RLE	5.6	21	No	<1	GTI 5/1990
GT-2	3/5/1990	2,4,6-Trichlorophenol	10 U	4	B, Carc	RLE	2.5	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	2,4-Dimethylphenol	10 U	160	B, NC	No	<1	2.0	RLE	5.0	GTI 5/1990
GT-2	3/5/1990	2,4-Dinitrophenol	50 U	32	B, NC	RLE	1.6	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	2-Methylphenol (o-cresol)	10 U	400	B, NC	No	<1	7.1	RLE	1.4	GTI 5/1990
GT-2	3/5/1990	3,3'-Dichlorobenzidine	20 U	0.19	B, Carc	RLE	105	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	Acenaphthene	10 U	960	B, NC	No	<1	9.3	RLE	1.1	GTI 5/1990
GT-2	3/5/1990	Aniline	10 U	7.7	B, Carc	RLE	1.3	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	Antimony	10 U	6.4	B, NC	RLE	1.6	370	No	<1	GTI 5/1990
GT-2	3/5/1990	Arsenic	10	0.058	B, Carc	Yes	172	370	No	<1	GTI 5/1990
GT-2	3/5/1990	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	Benzidine	100 U	0.00038	B, Carc	RLE	263158	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	Benzo(a)anthracene	10 U	NA	NA	NA	NA	0.63	RLE	16	GTI 5/1990
GT-2	3/5/1990	Benzo(a)pyrene	10 U	0.012	B, Carc	RLE	833	0.27	RLE	37	GTI 5/1990
GT-2	3/5/1990	Benzo(b)fluoranthene	10 U	NA	NA	NA	NA	0.56	RLE	18	GTI 5/1990
GT-2	3/5/1990	Benzo(g,h,i)perylene	10 U	NA	NA	NA	NA	0.029	RLE	345	GTI 5/1990
GT-2	3/5/1990	Benzo(k)fluoranthene	10 U	NA	NA	NA	NA	0.57	RLE	18	GTI 5/1990
GT-2	3/5/1990	bis(2-chloroethyl)ether	10 U	0.04	B, Carc	RLE	250	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	bis(2-Ethylhexyl)phthalate	10 U	6.3	B, Carc	RLE	1.6	0.47	RLE	21	GTI 5/1990
GT-2	3/5/1990	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	Butyl benzyl phthalate	10 U	3200	B, NC	No	<1	6.8	RLE	1.5	GTI 5/1990
GT-2	3/5/1990	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	Chromium	30	50	A	No	<1	320	No	<1	GTI 5/1990
GT-2	3/5/1990	Chrysene	10 U	NA	NA	NA	NA	1.9	RLE	5.3	GTI 5/1990
GT-2	3/5/1990	Copper	40	590	B, NC	No	<1	120	No	<1	GTI 5/1990
GT-2	3/5/1990	Dibenz(a,h)anthracene	10 U	NA	NA	NA	NA	0.013	RLE	769	GTI 5/1990
GT-2	3/5/1990	Dibenzofuran	10 U	32	B, NC	No	<1	5.1	RLE	2.0	GTI 5/1990
GT-2	3/5/1990	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	Fluorene	10 U	640	B, NC	No	<1	7.0	RLE	1.4	GTI 5/1990
GT-2	3/5/1990	Hexachlorobenzene	10 U	0.055	B, Carc	RLE	182	0.029	RLE	345	GTI 5/1990
GT-2	3/5/1990	Hexachlorobutadiene	10 U	0.56	B, Carc	RLE	18	6.2	RLE	1.6	GTI 5/1990
GT-2	3/5/1990	Hexachloroethane	10 U	3.1	B, Carc	RLE	3.2	NA	NA	NA	GTI 5/1990



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
GT-2	3/5/1990	Indeno(1,2,3-cd)pyrene	10 U	NA	NA	NA	NA	0.033	RLE	303	GTI 5/1990
GT-2	3/5/1990	Mercury	0.5 U	2	A	No	<1	0.0074	RLE	68	GTI 5/1990
GT-2	3/5/1990	Nitrobenzene	10 U	4	B, NC	RLE	2.5	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	N-nitrosodimethylamine	10 U	0.00086	B, Carc	RLE	11628	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	N-nitrosodiphenylamine	10 U	NA	NA	NA	NA	2.0	RLE	5.0	GTI 5/1990
GT-2	3/5/1990	Pentachlorophenol	50 U	0.73	B, Carc	RLE	68	10	RLE	5.0	GTI 5/1990
GT-2	3/5/1990	Silver	20 U	80	B, NC	No	<1	1.5	RLE	13	GTI 5/1990
GT-2	3/5/1990	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	GTI 5/1990
GT-2	3/5/1990	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	GTI 5/1990
GT-3	3/20/1989	1,1,2,2-Tetrachloroethane	5 U	0.22	B, Carc	RLE	23	NA	NA	NA	GTI 3/29/89
GT-3	3/20/1989	1,1,2-Trichloroethane	5 U	0.77	B, Carc	RLE	6.5	NA	NA	NA	GTI 3/29/89
GT-3	3/20/1989	1,2-Dichloroethane	5 U	0.48	B, Carc	RLE	10	NA	NA	NA	GTI 3/29/89
GT-3	3/20/1989	1,2-Dichloropropane	5 U	0.64	B, Carc	RLE	7.8	NA	NA	NA	GTI 3/29/89
GT-3	3/20/1989	1,4-Dichlorobenzene	5 U	1.8	B, Carc	RLE	2.8	21	No	<1	GTI 3/29/89
GT-3	3/20/1989	Arsenic	0.009	0.058	B, Carc	No	<1	370	No	<1	GTI 3/29/89
GT-3	3/20/1989	Benzene	5 U	0.8	B, Carc	RLE	6.3	NA	NA	NA	GTI 3/29/89
GT-3	3/20/1989	Bromodichloromethane	5 U	0.71	B, Carc	RLE	7.0	NA	NA	NA	GTI 3/29/89
GT-3	3/20/1989	Carbon Tetrachloride	5 U	0.34	B, Carc	RLE	15	NA	NA	NA	GTI 3/29/89
GT-3	3/20/1989	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	GTI 3/29/89
GT-3	3/20/1989	Copper	0.062	590	B, NC	No	<1	120	No	<1	GTI 3/29/89
GT-3	3/20/1989	Dibromochloromethane	5 U	0.52	B, Carc	RLE	9.6	NA	NA	NA	GTI 3/29/89
GT-3	3/20/1989	Mercury	0.002	2	A	No	<1	0.0074	No	<1	GTI 3/29/89
GT-3	3/20/1989	Styrene	5 U	1.5	B, Carc	RLE	3.3	NA	NA	NA	GTI 3/29/89
GT-3	3/20/1989	Tetrachloroethene	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	GTI 3/29/89
GT-3	3/20/1989	Trichloroethene	5 U	0.49	B, Carc	RLE	10	NA	NA	NA	GTI 3/29/89
GT-3	3/20/1989	Vinyl Chloride	10 U	0.029	B, Carc	RLE	345	NA	NA	NA	GTI 3/29/89
GT-3	3/5/1990	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	1,2,4-Trichlorobenzene	10 U	80	B, NC	No	<1	2.5	RLE	4.0	GTI 5/1990
GT-3	3/5/1990	1,2-Dichlorobenzene	10 U	720	B, NC	No	<1	5.2	RLE	1.9	GTI 5/1990
GT-3	3/5/1990	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	1,4-Dichlorobenzene	10 U	1.8	B, Carc	RLE	5.6	21	No	<1	GTI 5/1990
GT-3	3/5/1990	2,4,6-Trichlorophenol	10 U	4	B, Carc	RLE	2.5	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	2,4-Dimethylphenol	10 U	160	B, NC	No	<1	2.0	RLE	5.0	GTI 5/1990
GT-3	3/5/1990	2,4-Dinitrophenol	50 U	32	B, NC	RLE	1.6	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	2-Methylphenol (o-cresol)	10 U	400	B, NC	No	<1	7.1	RLE	1.4	GTI 5/1990
GT-3	3/5/1990	3,3'-Dichlorobenzidine	20 U	0.19	B, Carc	RLE	105	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	Acenaphthene	10 U	960	B, NC	No	<1	9.3	RLE	1.1	GTI 5/1990
GT-3	3/5/1990	Aniline	10 U	7.7	B, Carc	RLE	1.3	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	Antimony	10 U	6.4	B, NC	RLE	1.6	370	No	<1	GTI 5/1990
GT-3	3/5/1990	Arsenic	5 U	0.058	B, Carc	RLE	86	370	No	<1	GTI 5/1990
GT-3	3/5/1990	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	Benzidine	100 U	0.00038	B, Carc	RLE	263158	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	Benzo(a)anthracene	10 U	NA	NA	NA	NA	0.63	RLE	16	GTI 5/1990

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
GT-3	3/5/1990	Benzo(a)pyrene	10 U	0.012	B, Carc	RLE	833	0.27	RLE	37	GTI 5/1990
GT-3	3/5/1990	Benzo(b)fluoranthene	10 U	NA	NA	NA	NA	0.56	RLE	18	GTI 5/1990
GT-3	3/5/1990	Benzo(g,h,i)perylene	10 U	NA	NA	NA	NA	0.029	RLE	345	GTI 5/1990
GT-3	3/5/1990	Benzo(k)fluoranthene	10 U	NA	NA	NA	NA	0.57	RLE	18	GTI 5/1990
GT-3	3/5/1990	bis(2-chloroethyl)ether	10 U	0.04	B, Carc	RLE	250	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	bis(2-Ethylhexyl)phthalate	10 U	6.3	B, Carc	RLE	1.6	0.47	RLE	21	GTI 5/1990
GT-3	3/5/1990	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	Butyl benzyl phthalate	10 U	3200	B, NC	No	<1	6.8	RLE	1.5	GTI 5/1990
GT-3	3/5/1990	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	Chromium	50	50	A	No	1.0	320	No	<1	GTI 5/1990
GT-3	3/5/1990	Chrysene	10 U	NA	NA	NA	NA	1.9	RLE	5.3	GTI 5/1990
GT-3	3/5/1990	Copper	40	590	B, NC	No	<1	120	No	<1	GTI 5/1990
GT-3	3/5/1990	Dibenz(a,h)anthracene	10 U	NA	NA	NA	NA	0.013	RLE	769	GTI 5/1990
GT-3	3/5/1990	Dibenzofuran	10 U	32	B, NC	No	<1	5.1	RLE	2.0	GTI 5/1990
GT-3	3/5/1990	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	Fluorene	10 U	640	B, NC	No	<1	7.0	RLE	1.4	GTI 5/1990
GT-3	3/5/1990	Hexachlorobenzene	10 U	0.055	B, Carc	RLE	182	0.029	RLE	345	GTI 5/1990
GT-3	3/5/1990	Hexachlorobutadiene	10 U	0.56	B, Carc	RLE	18	6.2	RLE	1.6	GTI 5/1990
GT-3	3/5/1990	Hexachloroethane	10 U	3.1	B, Carc	RLE	3.2	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	Indeno(1,2,3-cd)pyrene	10 U	NA	NA	NA	NA	0.033	RLE	303	GTI 5/1990
GT-3	3/5/1990	Mercury	0.5 U	2	A	No	<1	0.0074	RLE	68	GTI 5/1990
GT-3	3/5/1990	Nitrobenzene	10 U	4	B, NC	RLE	2.5	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	N-nitrosodimethylamine	10 U	0.00086	B, Carc	RLE	11628	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	N-nitrosodiphenylamine	10 U	NA	NA	NA	NA	2.0	RLE	5.0	GTI 5/1990
GT-3	3/5/1990	Pentachlorophenol	50 U	0.73	B, Carc	RLE	68	10	RLE	5.0	GTI 5/1990
GT-3	3/5/1990	Silver	20 U	80	B, NC	No	<1	1.5	RLE	13	GTI 5/1990
GT-3	3/5/1990	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	GTI 5/1990
GT-3	3/5/1990	Zinc	60	4800	B, NC	No	<1	76	No	<1	GTI 5/1990
GT-4	3/20/1989	1,1,2,2-Tetrachloroethane	5 U	0.22	B, Carc	RLE	23	NA	NA	NA	GTI 3/29/89
GT-4	3/20/1989	1,1,2-Trichloroethane	5 U	0.77	B, Carc	RLE	6.5	NA	NA	NA	GTI 3/29/89
GT-4	3/20/1989	1,2-Dichloroethane	5 U	0.48	B, Carc	RLE	10	NA	NA	NA	GTI 3/29/89
GT-4	3/20/1989	1,2-Dichloropropane	5 U	0.64	B, Carc	RLE	7.8	NA	NA	NA	GTI 3/29/89
GT-4	3/20/1989	1,4-Dichlorobenzene	5 U	1.8	B, Carc	RLE	2.8	21	No	<1	GTI 3/29/89
GT-4	3/20/1989	Arsenic	0.017	0.058	B, Carc	No	<1	370	No	<1	GTI 3/29/89
GT-4	3/20/1989	Benzene	5 U	0.8	B, Carc	RLE	6.3	NA	NA	NA	GTI 3/29/89
GT-4	3/20/1989	Bromodichloromethane	5 U	0.71	B, Carc	RLE	7.0	NA	NA	NA	GTI 3/29/89
GT-4	3/20/1989	Carbon Tetrachloride	5 U	0.34	B, Carc	RLE	15	NA	NA	NA	GTI 3/29/89
GT-4	3/20/1989	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	GTI 3/29/89
GT-4	3/20/1989	Copper	0.072	590	B, NC	No	<1	120	No	<1	GTI 3/29/89
GT-4	3/20/1989	Dibromochloromethane	5 U	0.52	B, Carc	RLE	9.6	NA	NA	NA	GTI 3/29/89
GT-4	3/20/1989	Mercury	0.002	2	A	No	<1	0.0074	No	<1	GTI 3/29/89
GT-4	3/20/1989	Styrene	5 U	1.5	B, Carc	RLE	3.3	NA	NA	NA	GTI 3/29/89
GT-4	3/20/1989	Tetrachloroethene	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	GTI 3/29/89

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
GT-4	3/20/1989	Trichloroethene	5 U	0.49	B, Carc	RLE	10	NA	NA	NA	GTI 3/29/89
GT-4	3/20/1989	Vinyl Chloride	10 U	0.029	B, Carc	RLE	345	NA	NA	NA	GTI 3/29/89
GT-4	3/20/1989	Zinc	0.069	4800	B, NC	No	<1	76	No	<1	GTI 3/29/89
GT-4	3/5/1990	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	1,2,4-Trichlorobenzene	10 U	80	B, NC	No	<1	2.5	RLE	4.0	GTI 5/1990
GT-4	3/5/1990	1,2-Dichlorobenzene	10 U	720	B, NC	No	<1	5.2	RLE	1.9	GTI 5/1990
GT-4	3/5/1990	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	1,4-Dichlorobenzene	10 U	1.8	B, Carc	RLE	5.6	21	No	<1	GTI 5/1990
GT-4	3/5/1990	2,4,6-Trichlorophenol	10 U	4	B, Carc	RLE	2.5	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	2,4-Dimethylphenol	10 U	160	B, NC	No	<1	2.0	RLE	5.0	GTI 5/1990
GT-4	3/5/1990	2,4-Dinitrophenol	50 U	32	B, NC	RLE	1.6	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	2-Methylphenol (o-cresol)	10 U	400	B, NC	No	<1	7.1	RLE	1.4	GTI 5/1990
GT-4	3/5/1990	3,3'-Dichlorobenzidine	20 U	0.19	B, Carc	RLE	105	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	Acenaphthene	10 U	960	B, NC	No	<1	9.3	RLE	1.1	GTI 5/1990
GT-4	3/5/1990	Aniline	10 U	7.7	B, Carc	RLE	1.3	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	Antimony	10 U	6.4	B, NC	RLE	1.6	370	No	<1	GTI 5/1990
GT-4	3/5/1990	Arsenic	20	0.058	B, Carc	Yes	345	370	No	<1	GTI 5/1990
GT-4	3/5/1990	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	Benidine	100 U	0.00038	B, Carc	RLE	263158	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	Benzo(a)anthracene	10 U	NA	NA	NA	NA	0.63	RLE	16	GTI 5/1990
GT-4	3/5/1990	Benzo(a)pyrene	10 U	0.012	B, Carc	RLE	833	0.27	RLE	37	GTI 5/1990
GT-4	3/5/1990	Benzo(b)fluoranthene	10 U	NA	NA	NA	NA	0.56	RLE	18	GTI 5/1990
GT-4	3/5/1990	Benzo(g,h,i)perylene	10 U	NA	NA	NA	NA	0.029	RLE	345	GTI 5/1990
GT-4	3/5/1990	Benzo(k)fluoranthene	10 U	NA	NA	NA	NA	0.57	RLE	18	GTI 5/1990
GT-4	3/5/1990	bis(2-chloroethyl)ether	10 U	0.04	B, Carc	RLE	250	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	bis(2-Ethylhexyl)phthalate	10 U	6.3	B, Carc	RLE	1.6	0.47	RLE	21	GTI 5/1990
GT-4	3/5/1990	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	Butyl benzyl phthalate	10 U	3200	B, NC	No	<1	6.8	RLE	1.5	GTI 5/1990
GT-4	3/5/1990	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	Chromium	80	50	A	Yes	1.6	320	No	<1	GTI 5/1990
GT-4	3/5/1990	Chrysene	10 U	NA	NA	NA	NA	1.9	RLE	5.3	GTI 5/1990
GT-4	3/5/1990	Dibenz(a,h)anthracene	10 U	NA	NA	NA	NA	0.013	RLE	769	GTI 5/1990
GT-4	3/5/1990	Dibenzofuran	10 U	32	B, NC	No	<1	5.1	RLE	2.0	GTI 5/1990
GT-4	3/5/1990	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	Fluorene	10 U	640	B, NC	No	<1	7.0	RLE	1.4	GTI 5/1990
GT-4	3/5/1990	Hexachlorobenzene	10 U	0.055	B, Carc	RLE	182	0.029	RLE	345	GTI 5/1990
GT-4	3/5/1990	Hexachlorobutadiene	10 U	0.56	B, Carc	RLE	18	6.2	RLE	1.6	GTI 5/1990
GT-4	3/5/1990	Hexachloroethane	10 U	3.1	B, Carc	RLE	3.2	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	Indeno(1,2,3-cd)pyrene	10 U	NA	NA	NA	NA	0.033	RLE	303	GTI 5/1990
GT-4	3/5/1990	Mercury	0.5 U	2	A	No	<1	0.0074	RLE	68	GTI 5/1990
GT-4	3/5/1990	Nitrobenzene	10 U	4	B, NC	RLE	2.5	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	N-nitrosodimethylamine	10 U	0.00086	B, Carc	RLE	11628	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	N-nitrosodiphenylamine	10 U	NA	NA	NA	NA	2.0	RLE	5.0	GTI 5/1990
GT-4	3/5/1990	Pentachlorophenol	50 U	0.73	B, Carc	RLE	68	10	RLE	5.0	GTI 5/1990

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
GT-4	3/5/1990	Silver	20 U	80	B, NC	No	<1	1.5	RLE	13	GTI 5/1990
GT-4	3/5/1990	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	GTI 5/1990
GT-4	3/5/1990	Zinc	50	4800	B, NC	No	<1	76	No	<1	GTI 5/1990
GT-5	3/20/1989	1,1,2,2-Tetrachloroethane	5 U	0.22	B, Carc	RLE	23	NA	NA	NA	GTI 3/29/89
GT-5	3/20/1989	1,1,2-Trichloroethane	5 U	0.77	B, Carc	RLE	6.5	NA	NA	NA	GTI 3/29/89
GT-5	3/20/1989	1,2-Dichloroethane	5 U	0.48	B, Carc	RLE	10	NA	NA	NA	GTI 3/29/89
GT-5	3/20/1989	1,2-Dichloropropane	5 U	0.64	B, Carc	RLE	7.8	NA	NA	NA	GTI 3/29/89
GT-5	3/20/1989	1,4-Dichlorobenzene	5 U	1.8	B, Carc	RLE	2.8	21	No	<1	GTI 3/29/89
GT-5	3/20/1989	Arsenic	0.015	0.058	B, Carc	No	<1	370	No	<1	GTI 3/29/89
GT-5	3/20/1989	Benzene	5 U	0.8	B, Carc	RLE	6.3	NA	NA	NA	GTI 3/29/89
GT-5	3/20/1989	Bromodichloromethane	5 U	0.71	B, Carc	RLE	7.0	NA	NA	NA	GTI 3/29/89
GT-5	3/20/1989	Carbon Tetrachloride	5 U	0.34	B, Carc	RLE	15	NA	NA	NA	GTI 3/29/89
GT-5	3/20/1989	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	GTI 3/29/89
GT-5	3/20/1989	Copper	0.059	590	B, NC	No	<1	120	No	<1	GTI 3/29/89
GT-5	3/20/1989	Dibromochloromethane	5 U	0.52	B, Carc	RLE	9.6	NA	NA	NA	GTI 3/29/89
GT-5	3/20/1989	Mercury	0.002	2	A	No	<1	0.0074	No	<1	GTI 3/29/89
GT-5	3/20/1989	Styrene	5 U	1.5	B, Carc	RLE	3.3	NA	NA	NA	GTI 3/29/89
GT-5	3/20/1989	Tetrachloroethene	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	GTI 3/29/89
GT-5	3/20/1989	Trichloroethene	5 U	0.49	B, Carc	RLE	10	NA	NA	NA	GTI 3/29/89
GT-5	3/20/1989	Vinyl Chloride	10 U	0.029	B, Carc	RLE	345	NA	NA	NA	GTI 3/29/89
GT-5	3/20/1989	Zinc	0.078	4800	B, NC	No	<1	76	No	<1	GTI 3/29/89
GT-5	3/5/1990	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	1,2,4-Trichlorobenzene	10 U	80	B, NC	No	<1	2.5	RLE	4.0	GTI 5/1990
GT-5	3/5/1990	1,2-Dichlorobenzene	10 U	720	B, NC	No	<1	5.2	RLE	1.9	GTI 5/1990
GT-5	3/5/1990	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	1,4-Dichlorobenzene	10 U	1.8	B, Carc	RLE	5.6	21	No	<1	GTI 5/1990
GT-5	3/5/1990	2,4,6-Trichlorophenol	10 U	4	B, Carc	RLE	2.5	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	2,4-Dimethylphenol	10 U	160	B, NC	No	<1	2.0	RLE	5.0	GTI 5/1990
GT-5	3/5/1990	2,4-Dinitrophenol	50 U	32	B, NC	RLE	1.6	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	2-Methylphenol (o-cresol)	10 U	400	B, NC	No	<1	7.1	RLE	1.4	GTI 5/1990
GT-5	3/5/1990	3,3'-Dichlorobenzidine	20 U	0.19	B, Carc	RLE	105	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	Acenaphthene	10 U	960	B, NC	No	<1	9.3	RLE	1.1	GTI 5/1990
GT-5	3/5/1990	Aniline	10 U	7.7	B, Carc	RLE	1.3	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	Antimony	10 U	6.4	B, NC	RLE	1.6	370	No	<1	GTI 5/1990
GT-5	3/5/1990	Arsenic	5 U	0.058	B, Carc	RLE	86	370	No	<1	GTI 5/1990
GT-5	3/5/1990	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	Benzidine	100 U	0.00038	B, Carc	RLE	263158	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	Benzo(a)anthracene	10 U	NA	NA	NA	NA	0.63	RLE	16	GTI 5/1990
GT-5	3/5/1990	Benzo(a)pyrene	10 U	0.012	B, Carc	RLE	833	0.27	RLE	37	GTI 5/1990
GT-5	3/5/1990	Benzo(b)fluoranthene	10 U	NA	NA	NA	NA	0.56	RLE	18	GTI 5/1990
GT-5	3/5/1990	Benzo(g,h,i)perylene	10 U	NA	NA	NA	NA	0.029	RLE	345	GTI 5/1990
GT-5	3/5/1990	Benzo(k)fluoranthene	10 U	NA	NA	NA	NA	0.57	RLE	18	GTI 5/1990

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
GT-5	3/5/1990	bis(2-chloroethyl)ether	10 U	0.04	B, Carc	RLE	250	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	bis(2-Ethylhexyl)phthalate	10 U	6.3	B, Carc	RLE	1.6	0.47	RLE	21	GTI 5/1990
GT-5	3/5/1990	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	Butyl benzyl phthalate	10 U	3200	B, NC	No	<1	6.8	RLE	1.5	GTI 5/1990
GT-5	3/5/1990	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	Chromium	30	50	A	No	<1	320	No	<1	GTI 5/1990
GT-5	3/5/1990	Chrysene	10 U	NA	NA	NA	NA	1.9	RLE	5.3	GTI 5/1990
GT-5	3/5/1990	Copper	20	590	B, NC	No	<1	120	No	<1	GTI 5/1990
GT-5	3/5/1990	Dibenz(a,h.)anthracene	10 U	NA	NA	NA	NA	0.013	RLE	769	GTI 5/1990
GT-5	3/5/1990	Dibenzofuran	10 U	32	B, NC	No	<1	5.1	RLE	2.0	GTI 5/1990
GT-5	3/5/1990	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	Fluorene	10 U	640	B, NC	No	<1	7.0	RLE	1.4	GTI 5/1990
GT-5	3/5/1990	Hexachlorobenzene	10 U	0.055	B, Carc	RLE	182	0.029	RLE	345	GTI 5/1990
GT-5	3/5/1990	Hexachlorobutadiene	10 U	0.56	B, Carc	RLE	18	6.2	RLE	1.6	GTI 5/1990
GT-5	3/5/1990	Hexachloroethane	10 U	3.1	B, Carc	RLE	3.2	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	Indeno(1,2,3-cd)pyrene	10 U	NA	NA	NA	NA	0.033	RLE	303	GTI 5/1990
GT-5	3/5/1990	Mercury	0.5 U	2	A	No	<1	0.0074	RLE	68	GTI 5/1990
GT-5	3/5/1990	Nitrobenzene	10 U	4	B, NC	RLE	2.5	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	N-nitrosodimethylamine	10 U	0.00086	B, Carc	RLE	11628	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	N-nitrosodiphenylamine	10 U	NA	NA	NA	NA	2.0	RLE	5.0	GTI 5/1990
GT-5	3/5/1990	Pentachlorophenol	50 U	0.73	B, Carc	RLE	68	10	RLE	5.0	GTI 5/1990
GT-5	3/5/1990	Silver	20 U	80	B, NC	No	<1	1.5	RLE	13	GTI 5/1990
GT-5	3/5/1990	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	GTI 5/1990
GT-5	3/5/1990	Zinc	20	4800	B, NC	No	<1	76	No	<1	GTI 5/1990
<b>Building 3-369</b>											
GT88-1	8/9/1989	1,1,2,2-Tetrachloroethane	50 U	0.22	B, Carc	RLE	227	NA	NA	NA	GTI 8/1989
GT88-1	8/9/1989	1,1,2-Trichloroethane	50 U	0.77	B, Carc	RLE	65	NA	NA	NA	GTI 8/1989
GT88-1	8/9/1989	1,2-Dichlorobenzene	50 U	720	B, NC	No	<1	5.2	RLE	9.6	GTI 8/1989
GT88-1	8/9/1989	1,2-Dichloroethane	50 U	0.48	B, Carc	RLE	104	NA	NA	NA	GTI 8/1989
GT88-1	8/9/1989	1,2-Dichloropropane	50 U	0.64	B, Carc	RLE	78	NA	NA	NA	GTI 8/1989
GT88-1	8/9/1989	1,4-Dichlorobenzene	50 U	1.8	B, Carc	RLE	28	21	RLE	2.4	GTI 8/1989
GT88-1	8/9/1989	Antimony	1000 U	6.4	B, NC	RLE	156	370	RLE	2.7	GTI 8/1989
GT88-1	8/9/1989	Arsenic	500 U	0.058	B, Carc	RLE	8621	370	RLE	1.4	GTI 8/1989
GT88-1	8/9/1989	Benzene	50 U	0.8	B, Carc	RLE	63	NA	NA	NA	GTI 8/1989
GT88-1	8/9/1989	Bromodichloromethane	50 U	0.71	B, Carc	RLE	70	NA	NA	NA	GTI 8/1989
GT88-1	8/9/1989	Bromoform	50 U	5.5	B, Carc	RLE	9.1	NA	NA	NA	GTI 8/1989
GT88-1	8/9/1989	Bromomethane	100 U	11	B, NC	RLE	9.1	NA	NA	NA	GTI 8/1989
GT88-1	8/9/1989	Cadmium	50 U	5	A	RLE	10	3.4	RLE	15	GTI 8/1989
GT88-1	8/9/1989	Carbon Tetrachloride	50 U	0.34	B, Carc	RLE	147	NA	NA	NA	GTI 8/1989
GT88-1	8/9/1989	Chloroform	50 U	7.2	B, Carc	RLE	6.9	NA	NA	NA	GTI 8/1989
GT88-1	8/9/1989	Chloromethane	100 U	3.4	B, Carc	RLE	29	NA	NA	NA	GTI 8/1989
<b>GT88-1</b>	<b>8/9/1989</b>	<b>Chromium</b>	<b>600</b>	<b>50</b>	<b>A</b>	<b>Yes</b>	<b>12</b>	<b>320</b>	<b>Yes</b>	<b>1.9</b>	<b>GTI 8/1989</b>
<b>GT88-1</b>	<b>8/9/1989</b>	<b>Copper</b>	<b>2000</b>	<b>590</b>	<b>B, NC</b>	<b>Yes</b>	<b>3.4</b>	<b>120</b>	<b>Yes</b>	<b>17</b>	<b>GTI 8/1989</b>

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
GT88-1	8/9/1989	Dibromochloromethane	50 U	0.52	B, Carc	RLE	96	NA	NA	NA	GTI 8/1989
GT88-1	8/9/1989	Lead	200 U	15	A	RLE	13	13	RLE	15	GTI 8/1989
<b>GT88-1</b>	<b>8/9/1989</b>	<b>Mercury</b>	<b>2</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>1.0</b>	<b>0.0074</b>	<b>Yes</b>	<b>270</b>	<b>GTI 8/1989</b>
GT88-1	8/9/1989	Methylene Chloride	50 U	5	A	RLE	10	NA	NA	NA	GTI 8/1989
GT88-1	8/9/1989	Nickel	400	NA	NA	NA	NA	NA	NA	NA	GTI 8/1989
GT88-1	8/9/1989	Selenium	1000 U	80	B, NC	RLE	13	NA	NA	NA	GTI 8/1989
GT88-1	8/9/1989	Silver	100 U	80	B, NC	RLE	1.3	1.5	RLE	67	GTI 8/1989
GT88-1	8/9/1989	Styrene	50 U	1.5	B, Carc	RLE	33	NA	NA	NA	GTI 8/1989
GT88-1	8/9/1989	Tetrachloroethene	50 U	0.081	B, Carc	RLE	617	NA	NA	NA	GTI 8/1989
GT88-1	8/9/1989	Thallium	400	NA	NA	NA	NA	NA	NA	NA	GTI 8/1989
GT88-1	8/9/1989	Trichloroethene	50 U	0.49	B, Carc	RLE	102	NA	NA	NA	GTI 8/1989
GT88-1	8/9/1989	Vinyl chloride	100 U	0.029	B, Carc	RLE	3448	NA	NA	NA	GTI 8/1989
<b>GT88-1</b>	<b>8/9/1989</b>	<b>Zinc</b>	<b>1000</b>	<b>4800</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>76</b>	<b>Yes</b>	<b>13</b>	<b>GTI 8/1989</b>
GT88-1	6/21/1991	Cadmium	0.11	5	A	No	<1	3.4	No	<1	GTI 7/23/91
GT88-1	6/21/1991	Chromium	1.6	50	A	No	<1	320	No	<1	GTI 7/23/91
GT88-1	6/21/1991	Copper	2.07	590	B, NC	No	<1	120	No	<1	GTI 7/23/91
GT88-1	6/21/1991	Lead	1.56	15	A	No	<1	13	No	<1	GTI 7/23/91
GT88-1	6/21/1991	Nickel	1.26	NA	NA	NA	NA	NA	NA	NA	GTI 7/23/91
GT88-1	6/21/1991	Silver	0.04	80	B, NC	No	<1	1.5	No	<1	GTI 7/23/91
GT88-1	6/21/1991	Zinc	0.38	4800	B, NC	No	<1	76	No	<1	GTI 7/23/91
GT88-2	8/9/1989	1,1,2,2-Tetrachloroethane	5 U	0.22	B, Carc	RLE	23	NA	NA	NA	GTI 8/1989
GT88-2	8/9/1989	1,1,2-Trichloroethane	5 U	0.77	B, Carc	RLE	6.5	NA	NA	NA	GTI 8/1989
GT88-2	8/9/1989	1,2-Dichloroethane	5 U	0.48	B, Carc	RLE	10	NA	NA	NA	GTI 8/1989
GT88-2	8/9/1989	1,2-Dichloropropane	5 U	0.64	B, Carc	RLE	7.8	NA	NA	NA	GTI 8/1989
GT88-2	8/9/1989	1,4-Dichlorobenzene	5 U	1.8	B, Carc	RLE	2.8	21	No	<1	GTI 8/1989
<b>GT88-2</b>	<b>8/9/1989</b>	<b>Antimony</b>	<b>2000</b>	<b>6.4</b>	<b>B, NC</b>	<b>Yes</b>	<b>313</b>	<b>370</b>	<b>Yes</b>	<b>5.4</b>	<b>GTI 8/1989</b>
GT88-2	8/9/1989	Arsenic	500 U	0.058	B, Carc	RLE	8621	370	RLE	1.4	GTI 8/1989
GT88-2	8/9/1989	Benzene	5 U	0.8	B, Carc	RLE	6.3	NA	NA	NA	GTI 8/1989
GT88-2	8/9/1989	Bromodichloromethane	5 U	0.71	B, Carc	RLE	7.0	NA	NA	NA	GTI 8/1989
GT88-2	8/9/1989	Cadmium	50 U	5	A	RLE	10	3.4	RLE	15	GTI 8/1989
GT88-2	8/9/1989	Carbon Tetrachloride	5 U	0.34	B, Carc	RLE	15	NA	NA	NA	GTI 8/1989
GT88-2	8/9/1989	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	GTI 8/1989
GT88-2	8/9/1989	Chromium	100 U	50	A	RLE	2.0	320	No	<1	GTI 8/1989
GT88-2	8/9/1989	Dibromochloromethane	5 U	0.52	B, Carc	RLE	9.6	NA	NA	NA	GTI 8/1989
GT88-2	8/9/1989	Ethylbenzene	5.2	700	A	No	<1	NA	NA	NA	GTI 8/1989
GT88-2	8/9/1989	Lead	200 U	15	A	RLE	13	13	RLE	15	GTI 8/1989
<b>GT88-2</b>	<b>8/9/1989</b>	<b>Mercury</b>	<b>0.9</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.0074</b>	<b>Yes</b>	<b>122</b>	<b>GTI 8/1989</b>
GT88-2	8/9/1989	Selenium	1000 U	80	B, NC	RLE	13	NA	NA	NA	GTI 8/1989
GT88-2	8/9/1989	Silver	100 U	80	B, NC	RLE	1.3	1.5	RLE	67	GTI 8/1989
GT88-2	8/9/1989	Styrene	5 U	1.5	B, Carc	RLE	3.3	NA	NA	NA	GTI 8/1989
GT88-2	8/9/1989	Tetrachloroethene	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	GTI 8/1989
GT88-2	8/9/1989	Thallium	400	NA	NA	NA	NA	NA	NA	NA	GTI 8/1989
GT88-2	8/9/1989	Trichloroethene	5 U	0.49	B, Carc	RLE	10	NA	NA	NA	GTI 8/1989
GT88-2	8/9/1989	Vinyl chloride	10 U	0.029	B, Carc	RLE	345	NA	NA	NA	GTI 8/1989
GT88-2	8/9/1989	Xylenes, total	14	1000	A	No	<1	NA	NA	NA	GTI 8/1989
GT88-2	8/9/1989	Zinc	100 U	4800	B, NC	No	<1	76	RLE	1.3	GTI 8/1989
GT88-3	8/9/1989	1,1,2,2-Tetrachloroethane	50 U	0.22	B, Carc	RLE	227	NA	NA	NA	GTI 8/1989

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
GT88-3	8/9/1989	1,1,2-Trichloroethane	50 U	0.77	B, Carc	RLE	65	NA	NA	NA	GTI 8/1989
GT88-3	8/9/1989	1,2-Dichlorobenzene	50 U	720	B, NC	No	<1	5.2	RLE	9.6	GTI 8/1989
GT88-3	8/9/1989	1,2-Dichloroethane	50 U	0.48	B, Carc	RLE	104	NA	NA	NA	GTI 8/1989
GT88-3	8/9/1989	1,2-Dichloropropane	50 U	0.64	B, Carc	RLE	78	NA	NA	NA	GTI 8/1989
GT88-3	8/9/1989	1,4-Dichlorobenzene	50 U	1.8	B, Carc	RLE	28	21	RLE	2.4	GTI 8/1989
<b>GT88-3</b>	<b>8/9/1989</b>	<b>Antimony</b>	<b>2000</b>	<b>6.4</b>	<b>B, NC</b>	<b>Yes</b>	<b>313</b>	<b>370</b>	<b>Yes</b>	<b>5.4</b>	<b>GTI 8/1989</b>
GT88-3	8/9/1989	Arsenic	500 U	0.058	B, Carc	RLE	8621	370	RLE	1.4	GTI 8/1989
GT88-3	8/9/1989	Benzene	50 U	0.8	B, Carc	RLE	63	NA	NA	NA	GTI 8/1989
GT88-3	8/9/1989	Bromodichloromethane	50 U	0.71	B, Carc	RLE	70	NA	NA	NA	GTI 8/1989
GT88-3	8/9/1989	Bromoform	50 U	5.5	B, Carc	RLE	9.1	NA	NA	NA	GTI 8/1989
GT88-3	8/9/1989	Bromomethane	100 U	11	B, NC	RLE	9.1	NA	NA	NA	GTI 8/1989
GT88-3	8/9/1989	Cadmium	50 U	5	A	RLE	10	3.4	RLE	15	GTI 8/1989
GT88-3	8/9/1989	Carbon Tetrachloride	50 U	0.34	B, Carc	RLE	147	NA	NA	NA	GTI 8/1989
GT88-3	8/9/1989	Chloroform	50 U	7.2	B, Carc	RLE	6.9	NA	NA	NA	GTI 8/1989
GT88-3	8/9/1989	Chloromethane	100 U	3.4	B, Carc	RLE	29	NA	NA	NA	GTI 8/1989
GT88-3	8/9/1989	Chromium	300	50	A	Yes	6.0	320	No	<1	GTI 8/1989
GT88-3	8/9/1989	Dibromochloromethane	50 U	0.52	B, Carc	RLE	96	NA	NA	NA	GTI 8/1989
GT88-3	8/9/1989	Lead	200 U	15	A	RLE	13	13	RLE	15	GTI 8/1989
<b>GT88-3</b>	<b>8/9/1989</b>	<b>Mercury</b>	<b>2</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>1.0</b>	<b>0.0074</b>	<b>Yes</b>	<b>270</b>	<b>GTI 8/1989</b>
GT88-3	8/9/1989	Methylene Chloride	50 U	5	A	RLE	10	NA	NA	NA	GTI 8/1989
GT88-3	8/9/1989	Nickel	200	NA	NA	NA	NA	NA	NA	NA	GTI 8/1989
GT88-3	8/9/1989	Selenium	1000 U	80	B, NC	RLE	13	NA	NA	NA	GTI 8/1989
GT88-3	8/9/1989	Silver	100 U	80	B, NC	RLE	1.3	1.5	RLE	67	GTI 8/1989
GT88-3	8/9/1989	Styrene	50 U	1.5	B, Carc	RLE	33	NA	NA	NA	GTI 8/1989
GT88-3	8/9/1989	Tetrachloroethene	50 U	0.081	B, Carc	RLE	617	NA	NA	NA	GTI 8/1989
GT88-3	8/9/1989	Thallium	400	NA	NA	NA	NA	NA	NA	NA	GTI 8/1989
GT88-3	8/9/1989	Trichloroethene	50 U	0.49	B, Carc	RLE	102	NA	NA	NA	GTI 8/1989
GT88-3	8/9/1989	Vinyl chloride	100 U	0.029	B, Carc	RLE	3448	NA	NA	NA	GTI 8/1989
<b>GT88-3</b>	<b>8/9/1989</b>	<b>Zinc</b>	<b>600</b>	<b>4800</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>76</b>	<b>Yes</b>	<b>7.9</b>	<b>GTI 8/1989</b>
<b>Building 3-800</b>											
MW-1	1989	1,1,2,2-Tetrachloroethane	2.0 U	0.22	B, Carc	RLE	9.1	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	1,1,2-Trichloroethane	1.0 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	1,2-Dichloroethane	2.0 U	0.48	B, Carc	RLE	4.2	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	1,2-Dichloropropane	1.0 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	2,4,6-Trichlorophenol	5 U	4	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	3,3'-Dichlorobenzidine	5 U	0.19	B, Carc	RLE	26	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	Acetone	81	800	B, NC	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	Aldrin	0.03 U	0.00260	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	Aroclor 1254	0.6 U	0.32	B, NC	RLE	1.9	0.86	No	<1	Hart Crowser 11/17/89
MW-1	1989	Aroclor 1260	0.6 U	NA	NA	NA	NA	0.31	RLE	1.9	Hart Crowser 11/17/89
MW-1	1989	Benzene	1.0 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	Benzo(a)anthracene	1 U	NA	NA	NA	NA	0.63	RLE	1.6	Hart Crowser 11/17/89
MW-1	1989	Benzo(a)pyrene	1 U	0.012	B, Carc	RLE	83	0.27	RLE	3.7	Hart Crowser 11/17/89
MW-1	1989	Benzo(b)fluoranthene	1 U	NA	NA	NA	NA	0.56	RLE	1.8	Hart Crowser 11/17/89
MW-1	1989	Benzo(g,h,i)perylene	1 U	NA	NA	NA	NA	0.029	RLE	34	Hart Crowser 11/17/89
MW-1	1989	Benzo(k)fluoranthene	1 U	NA	NA	NA	NA	0.57	RLE	1.8	Hart Crowser 11/17/89
MW-1	1989	Benzyl Alcohol	0.8 J	2400	B, NC	No	<1	230	No	<1	Hart Crowser 11/17/89



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
MW-1	1989	bis(2-chloroethyl)ether	1 U	0.04	B, Carc	RLE	25	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	bis(2-Ethylhexyl)phthalate	1 U	6.3	B, Carc	No	<1	0.47	RLE	2.1	Hart Crowser 11/17/89
MW-1	1989	Bromodichloromethane	0.5 M	0.71	B, Carc	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	Carbon Tetrachloride	2.0 U	0.34	B, Carc	RLE	5.9	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	Chloroform	4.1	7.2	B, Carc	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	Dibenz(a,h)anthracene	1 U	NA	NA	NA	NA	0.013	RLE	77	Hart Crowser 11/17/89
MW-1	1989	Dibromochloromethane	1.0 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	Dieldrin	0.06 U	0.0055	B, Carc	RLE	11	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	Heptachlor	0.03 U	0.019	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	Heptachlor Epoxide	0.03 U	0.0048	B, Carc	RLE	6.3	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	Hexachlorobenzene	1 U	0.055	B, Carc	RLE	18	0.029	RLE	34	Hart Crowser 11/17/89
MW-1	1989	Hexachlorobutadiene	2 U	0.56	B, Carc	RLE	3.6	6.2	No	<1	Hart Crowser 11/17/89
MW-1	1989	Indeno(1,2,3-cd)pyrene	1 U	NA	NA	NA	NA	0.033	RLE	30	Hart Crowser 11/17/89
MW-1	1989	MEK (2-Butanone)	13	4800	B, NC	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	Methylene Chloride	0.7 J,B	5	A	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	Pentachlorophenol	5 U	0.73	B, Carc	RLE	6.8	10	No	<1	Hart Crowser 11/17/89
MW-1	1989	Phenol	0.4 M	4800	B, NC	No	<1	220	No	<1	Hart Crowser 11/17/89
MW-1	1989	Tetrachloroethene	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	Toluene	0.4 J	640	B, NC	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	Total Petroleum Hydrocarbons	2000 U	500	A	RLE	4.0	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	Toxaphene	4.5 U	0.08	B, Carc	RLE	56	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	Trichloroethene	1.0 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Hart Crowser 11/17/89
MW-1	1989	Vinyl Chloride	3.0 U	0.029	B, Carc	RLE	103	NA	NA	NA	Hart Crowser 11/17/89
MW-1	2/16/1990	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	1,2,4-Trichlorobenzene	10 U	80	B, NC	No	<1	2.5	RLE	4.0	Hart Crowser 2/15/91
MW-1	2/16/1990	1,2-Dichlorobenzene	10 U	720	B, NC	No	<1	5.2	RLE	1.9	Hart Crowser 2/15/91
MW-1	2/16/1990	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	1,2-Dichloroethene, total	380	72	B, NC	Yes	5.3	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	1,4-Dichlorobenzene	10 U	1.8	B, Carc	RLE	5.6	21	No	<1	Hart Crowser 2/15/91
MW-1	2/16/1990	2,4,6-Trichlorophenol	10 U	4	B, Carc	RLE	2.5	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	2,4-Dimethylphenol	10 U	160	B, NC	No	<1	2.0	RLE	5.0	Hart Crowser 2/15/91
MW-1	2/16/1990	2,4-Dinitrophenol	50 U	32	B, NC	RLE	1.6	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	2-Methylphenol (o-cresol)	10 U	400	B, NC	No	<1	7.1	RLE	1.4	Hart Crowser 2/15/91
MW-1	2/16/1990	3,3'-Dichlorobenzidine	20 U	0.19	B, Carc	RLE	105	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	Acenaphthene	10 U	960	B, NC	No	<1	9.3	RLE	1.1	Hart Crowser 2/15/91
MW-1	2/16/1990	Aniline	10 U	7.7	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	Benzidine	100 U	0.00038	B, Carc	RLE	263158	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	Benzo(a)anthracene	10 U	NA	NA	NA	NA	0.63	RLE	16	Hart Crowser 2/15/91
MW-1	2/16/1990	Benzo(a)pyrene	10 U	0.012	B, Carc	RLE	833	0.27	RLE	37	Hart Crowser 2/15/91
MW-1	2/16/1990	Benzo(b)fluoranthene	10 U	NA	NA	NA	NA	0.56	RLE	18	Hart Crowser 2/15/91
MW-1	2/16/1990	Benzo(g,h,i)perylene	10 U	NA	NA	NA	NA	0.029	RLE	345	Hart Crowser 2/15/91
MW-1	2/16/1990	Benzo(k)fluoranthene	10 U	NA	NA	NA	NA	0.57	RLE	18	Hart Crowser 2/15/91
MW-1	2/16/1990	bis(2-chloroethyl)ether	10 U	0.04	B, Carc	RLE	250	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	bis(2-Ethylhexyl)phthalate	10 U	6.3	B, Carc	RLE	1.6	0.47	RLE	21	Hart Crowser 2/15/91

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
MW-1	2/16/1990	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	Butyl benzyl phthalate	10 U	3200	B, NC	No	<1	6.8	RLE	1.5	Hart Crowser 2/15/91
MW-1	2/16/1990	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	Chrysene	10 U	NA	NA	NA	NA	1.9	RLE	5.3	Hart Crowser 2/15/91
MW-1	2/16/1990	Dibenz(a,h)anthracene	10 U	NA	NA	NA	NA	0.013	RLE	769	Hart Crowser 2/15/91
MW-1	2/16/1990	Dibenzofuran	10 U	32	B, NC	No	<1	5.1	RLE	2.0	Hart Crowser 2/15/91
MW-1	2/16/1990	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	Fluorene	10 U	640	B, NC	No	<1	7.0	RLE	1.4	Hart Crowser 2/15/91
MW-1	2/16/1990	Hexachlorobenzene	10 U	0.055	B, Carc	RLE	182	0.029	RLE	345	Hart Crowser 2/15/91
MW-1	2/16/1990	Hexachlorobutadiene	10 U	0.56	B, Carc	RLE	18	6.2	RLE	1.6	Hart Crowser 2/15/91
MW-1	2/16/1990	Hexachloroethane	10 U	3.1	B, Carc	RLE	3.2	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	Indeno(1,2,3-cd)pyrene	10 U	NA	NA	NA	NA	0.033	RLE	303	Hart Crowser 2/15/91
MW-1	2/16/1990	Nitrobenzene	10 U	4	B, NC	RLE	2.5	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	N-nitrosodimethylamine	10 U	0.00086	B, Carc	RLE	11628	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	N-nitrosodiphenylamine	10 U	NA	NA	NA	NA	2.0	RLE	5.0	Hart Crowser 2/15/91
MW-1	2/16/1990	Pentachlorophenol	50 U	0.73	B, Carc	RLE	68	10	RLE	5.0	Hart Crowser 2/15/91
MW-1	2/16/1990	Tetrachloroethene	97	0.081	B, Carc	Yes	1198	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	Trichloroethene	380	0.49	B, Carc	Yes	776	NA	NA	NA	Hart Crowser 2/15/91
MW-1	2/16/1990	Vinyl Chloride	64	0.029	B, Carc	Yes	2207	NA	NA	NA	Hart Crowser 2/15/91
MW-2	1989	1,1,2,2-Tetrachloroethane	2.0 U	0.22	B, Carc	RLE	9.1	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	1,1,2-Trichloroethane	1.0 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	1,2-Dichloroethane	2.0 U	0.48	B, Carc	RLE	4.2	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	1,2-Dichloropropane	1.0 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	2,4,6-Trichlorophenol	5 U	4	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	3,3'-Dichlorobenzidine	5 U	0.19	B, Carc	RLE	26	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	Acetone	8.8	800	B, NC	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	Aldrin	0.03 U	0.00260	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	Aroclor 1254	0.6 U	0.32	B, NC	RLE	1.9	0.86	No	<1	Hart Crowser 11/17/89
MW-2	1989	Aroclor 1260	0.6 U	NA	NA	NA	NA	0.31	RLE	1.9	Hart Crowser 11/17/89
MW-2	1989	Benzene	1.0 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	Benzo(a)anthracene	1 U	NA	NA	NA	NA	0.63	RLE	1.6	Hart Crowser 11/17/89
MW-2	1989	Benzo(a)pyrene	1 U	0.012	B, Carc	RLE	83	0.27	RLE	3.7	Hart Crowser 11/17/89
MW-2	1989	Benzo(b)fluoranthene	1 U	NA	NA	NA	NA	0.56	RLE	1.8	Hart Crowser 11/17/89
MW-2	1989	Benzo(g,h,i)perylene	1 U	NA	NA	NA	NA	0.029	RLE	34	Hart Crowser 11/17/89
MW-2	1989	Benzo(k)fluoranthene	1 U	NA	NA	NA	NA	0.57	RLE	1.8	Hart Crowser 11/17/89
MW-2	1989	bis(2-chloroethyl)ether	1 U	0.04	B, Carc	RLE	25	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	bis(2-Ethylhexyl)phthalate	0.4 J	6.3	B, Carc	No	<1	0.47	No	<1	Hart Crowser 11/17/89
MW-2	1989	Bromodichloromethane	1.0 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	Carbon Tetrachloride	2.0 U	0.34	B, Carc	RLE	5.9	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	Chloroform	3.0	7.2	B, Carc	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	Dibenz(a,h)anthracene	1 U	NA	NA	NA	NA	0.013	RLE	77	Hart Crowser 11/17/89
MW-2	1989	Dibromochloromethane	1.0 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	Dieldrin	0.06 U	0.0055	B, Carc	RLE	11	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	Heptachlor	0.03 U	0.019	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	Heptachlor Epoxide	0.03 U	0.0048	B, Carc	RLE	6.3	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	Hexachlorobenzene	1 U	0.055	B, Carc	RLE	18	0.029	RLE	34	Hart Crowser 11/17/89

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
MW-2	1989	Hexachlorobutadiene	2 U	0.56	B, Carc	RLE	3.6	6.2	No	<1	Hart Crowser 11/17/89
MW-2	1989	Indeno(1,2,3-cd)pyrene	1 U	NA	NA	NA	NA	0.033	RLE	30	Hart Crowser 11/17/89
MW-2	1989	Methylene Chloride	0.6 J,B	5	A	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	Pentachlorophenol	5 U	0.73	B, Carc	RLE	6.8	10	No	<1	Hart Crowser 11/17/89
MW-2	1989	Tetrachloroethene	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	Toluene	0.4 M	640	B, NC	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	Total Petroleum Hydrocarbons	2000 U	500	A	RLE	4.0	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	Toxaphene	4.5 U	0.08	B, Carc	RLE	56	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	Trichloroethene	1.0 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Hart Crowser 11/17/89
MW-2	1989	Vinyl Chloride	3.0 U	0.029	B, Carc	RLE	103	NA	NA	NA	Hart Crowser 11/17/89
MW-2	2/16/1990	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	1,1-Dichloroethene	25	400	B, NC	No	<1	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	1,2,4-Trichlorobenzene	10 U	80	B, NC	No	<1	2.5	RLE	4.0	Hart Crowser 2/15/91
MW-2	2/16/1990	1,2-Dichlorobenzene	10 U	720	B, NC	No	<1	5.2	RLE	1.9	Hart Crowser 2/15/91
MW-2	2/16/1990	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	1,2-Dichloroethene, total	200	72	B, NC	Yes	2.8	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	1,4-Dichlorobenzene	10 U	1.8	B, Carc	RLE	5.6	21	No	<1	Hart Crowser 2/15/91
MW-2	2/16/1990	2,4,6-Trichlorophenol	10 U	4	B, Carc	RLE	2.5	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	2,4-Dimethylphenol	10 U	160	B, NC	No	<1	2.0	RLE	5.0	Hart Crowser 2/15/91
MW-2	2/16/1990	2,4-Dinitrophenol	50 U	32	B, NC	RLE	1.6	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	2-Methylphenol (o-cresol)	10 U	400	B, NC	No	<1	7.1	RLE	1.4	Hart Crowser 2/15/91
MW-2	2/16/1990	3,3'-Dichlorobenzidine	20 U	0.19	B, Carc	RLE	105	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	Acenaphthene	10 U	960	B, NC	No	<1	9.3	RLE	1.1	Hart Crowser 2/15/91
MW-2	2/16/1990	Aniline	10 U	7.7	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	Benzdine	100 U	0.00038	B, Carc	RLE	263158	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	Benzo(a)anthracene	10 U	NA	NA	NA	NA	0.63	RLE	16	Hart Crowser 2/15/91
MW-2	2/16/1990	Benzo(a)pyrene	10 U	0.012	B, Carc	RLE	833	0.27	RLE	37	Hart Crowser 2/15/91
MW-2	2/16/1990	Benzo(b)fluoranthene	10 U	NA	NA	NA	NA	0.56	RLE	18	Hart Crowser 2/15/91
MW-2	2/16/1990	Benzo(g,h,i)perylene	10 U	NA	NA	NA	NA	0.029	RLE	345	Hart Crowser 2/15/91
MW-2	2/16/1990	Benzo(k)fluoranthene	10 U	NA	NA	NA	NA	0.57	RLE	18	Hart Crowser 2/15/91
MW-2	2/16/1990	bis(2-chloroethyl)ether	10 U	0.04	B, Carc	RLE	250	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	bis(2-Ethylhexyl)phthalate	10 U	6.3	B, Carc	RLE	1.6	0.47	RLE	21	Hart Crowser 2/15/91
MW-2	2/16/1990	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	Butyl benzyl phthalate	10 U	3200	B, NC	No	<1	6.8	RLE	1.5	Hart Crowser 2/15/91
MW-2	2/16/1990	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	Chrysene	10 U	NA	NA	NA	NA	1.9	RLE	5.3	Hart Crowser 2/15/91
MW-2	2/16/1990	Dibenz(a,h)anthracene	10 U	NA	NA	NA	NA	0.013	RLE	769	Hart Crowser 2/15/91
MW-2	2/16/1990	Dibenzofuran	10 U	32	B, NC	No	<1	5.1	RLE	2.0	Hart Crowser 2/15/91
MW-2	2/16/1990	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	Fluorene	10 U	640	B, NC	No	<1	7.0	RLE	1.4	Hart Crowser 2/15/91
MW-2	2/16/1990	Hexachlorobenzene	10 U	0.055	B, Carc	RLE	182	0.029	RLE	345	Hart Crowser 2/15/91
MW-2	2/16/1990	Hexachlorobutadiene	10 U	0.56	B, Carc	RLE	18	6.2	RLE	1.6	Hart Crowser 2/15/91
MW-2	2/16/1990	Hexachloroethane	10 U	3.1	B, Carc	RLE	3.2	NA	NA	NA	Hart Crowser 2/15/91

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
MW-2	2/16/1990	Indeno(1,2,3-cd)pyrene	10 U	NA	NA	NA	NA	0.033	RLE	303	Hart Crowser 2/15/91
MW-2	2/16/1990	Nitrobenzene	10 U	4	B, NC	RLE	2.5	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	N-nitrosodimethylamine	10 U	0.00086	B, Carc	RLE	11628	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	N-nitrosodiphenylamine	10 U	NA	NA	NA	NA	2.0	RLE	5.0	Hart Crowser 2/15/91
MW-2	2/16/1990	Pentachlorophenol	50 U	0.73	B, Carc	RLE	68	10	RLE	5.0	Hart Crowser 2/15/91
<b>MW-2</b>	<b>2/16/1990</b>	<b>Phenol</b>	<b>320</b>	<b>4800</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>220</b>	<b>Yes</b>	<b>1.5</b>	<b>Hart Crowser 2/15/91</b>
MW-2	2/16/1990	Tetrachloroethene	62	0.081	B, Carc	Yes	765	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	Trichloroethene	350	0.49	B, Carc	Yes	714	NA	NA	NA	Hart Crowser 2/15/91
MW-2	2/16/1990	Vinyl Chloride	230	0.029	B, Carc	Yes	7931	NA	NA	NA	Hart Crowser 2/15/91
MW-2 (dup)	1989	1,1,2,2-Tetrachloroethane	2.0 U	0.22	B, Carc	RLE	9.1	NA	NA	NA	Hart Crowser 11/17/89
MW-2 (dup)	1989	1,1,2-Trichloroethane	1.0 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 11/17/89
MW-2 (dup)	1989	1,2-Dichloroethane	2.0 U	0.48	B, Carc	RLE	4.2	NA	NA	NA	Hart Crowser 11/17/89
MW-2 (dup)	1989	1,2-Dichloropropane	1.0 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 11/17/89
MW-2 (dup)	1989	Acetone	12	800	B, NC	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-2 (dup)	1989	Benzene	1.0 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 11/17/89
MW-2 (dup)	1989	Bromodichloromethane	1.0 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Hart Crowser 11/17/89
MW-2 (dup)	1989	Carbon Tetrachloride	2.0 U	0.34	B, Carc	RLE	5.9	NA	NA	NA	Hart Crowser 11/17/89
MW-2 (dup)	1989	Chloroform	3.0	7.2	B, Carc	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-2 (dup)	1989	Dibromochloromethane	1.0 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Hart Crowser 11/17/89
MW-2 (dup)	1989	Methylene Chloride	0.7 J,B	5	A	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-2 (dup)	1989	Tetrachloroethene	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 11/17/89
MW-2 (dup)	1989	Toluene	0.4 M	640	B, NC	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-2 (dup)	1989	Trichloroethene	1.0 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Hart Crowser 11/17/89
MW-2 (dup)	1989	Vinyl Chloride	3.0 U	0.029	B, Carc	RLE	103	NA	NA	NA	Hart Crowser 11/17/89
MW-2A	3/6/1990	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Hart Crowser 2/15/91
MW-2A	3/6/1990	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
MW-2A	3/6/1990	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Hart Crowser 2/15/91
MW-2A	3/6/1990	1,2-Dichloroethene, total	2	72	B, NC	No	<1	NA	NA	NA	Hart Crowser 2/15/91
MW-2A	3/6/1990	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 2/15/91
MW-2A	3/6/1990	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
MW-2A	3/6/1990	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Hart Crowser 2/15/91
MW-2A	3/6/1990	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 2/15/91
MW-2A	3/6/1990	Chloroform	5	7.2	B, Carc	No	<1	NA	NA	NA	Hart Crowser 2/15/91
MW-2A	3/6/1990	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 2/15/91
MW-2A	3/6/1990	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Hart Crowser 2/15/91
MW-2A	3/6/1990	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 2/15/91
MW-2A	3/6/1990	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Hart Crowser 2/15/91
MW-2A	3/6/1990	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Hart Crowser 2/15/91
MW-3	1989	1,1,2,2-Tetrachloroethane	2.0 U	0.22	B, Carc	RLE	9.1	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	1,1,2-Trichloroethane	1.0 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	1,2-Dichloroethane	2.0 U	0.48	B, Carc	RLE	4.2	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	1,2-Dichloropropane	1.0 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	2,4,6-Trichlorophenol	5 U	4	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	3,3'-Dichlorobenzidine	5 U	0.19	B, Carc	RLE	26	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	Acetone	25	800	B, NC	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	Aldrin	0.03 U	0.00260	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	Aroclor 1254	0.6 U	0.32	B, NC	RLE	1.9	0.86	No	<1	Hart Crowser 11/17/89

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
MW-3	1989	Aroclor 1260	0.6 U	NA	NA	NA	NA	0.31	RLE	1.9	Hart Crowser 11/17/89
MW-3	1989	Benzene	1.0 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	Benzo(a)anthracene	1 U	NA	NA	NA	NA	0.63	RLE	1.6	Hart Crowser 11/17/89
MW-3	1989	Benzo(a)pyrene	1 U	0.012	B, Carc	RLE	83	0.27	RLE	3.7	Hart Crowser 11/17/89
MW-3	1989	Benzo(b)fluoranthene	1 U	NA	NA	NA	NA	0.56	RLE	1.8	Hart Crowser 11/17/89
MW-3	1989	Benzo(g,h,i)perylene	1 U	NA	NA	NA	NA	0.029	RLE	34	Hart Crowser 11/17/89
MW-3	1989	Benzo(k)fluoranthene	1 U	NA	NA	NA	NA	0.57	RLE	1.8	Hart Crowser 11/17/89
MW-3	1989	bis(2-chloroethyl)ether	1 U	0.04	B, Carc	RLE	25	NA	NA	NA	Hart Crowser 11/17/89
<b>MW-3</b>	<b>1989</b>	<b>bis(2-Ethylhexyl)phthalate</b>	<b>0.9 J</b>	<b>6.3</b>	<b>B, Carc</b>	<b>No</b>	<b>&lt;1</b>	<b>0.47</b>	<b>Yes</b>	<b>1.9</b>	<b>Hart Crowser 11/17/89</b>
MW-3	1989	Bromodichloromethane	1.0 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	Carbon Tetrachloride	2.0 U	0.34	B, Carc	RLE	5.9	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	Chloroform	2.5	7.2	B, Carc	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	Dibenz(a,h)anthracene	1 U	NA	NA	NA	NA	0.013	RLE	77	Hart Crowser 11/17/89
MW-3	1989	Dibromochloromethane	1.0 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	Dieldrin	0.06 U	0.0055	B, Carc	RLE	11	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	Fluoranthene	0.5 J	640	B, NC	No	<1	17	No	<1	Hart Crowser 11/17/89
MW-3	1989	Heptachlor	0.03 U	0.019	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	Heptachlor Epoxide	0.03 U	0.0048	B, Carc	RLE	6.3	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	Hexachlorobenzene	1 U	0.055	B, Carc	RLE	18	0.029	RLE	34	Hart Crowser 11/17/89
MW-3	1989	Hexachlorobutadiene	2 U	0.56	B, Carc	RLE	3.6	6.2	No	<1	Hart Crowser 11/17/89
MW-3	1989	Indeno(1,2,3-cd)pyrene	1 U	NA	NA	NA	NA	0.033	RLE	30	Hart Crowser 11/17/89
MW-3	1989	Methylene Chloride	0.7 J,B	5	A	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	Pentachlorophenol	5 U	0.73	B, Carc	RLE	6.8	10	No	<1	Hart Crowser 11/17/89
MW-3	1989	Pyrene	0.5 J	480	B, NC	No	<1	20	No	<1	Hart Crowser 11/17/89
MW-3	1989	Tetrachloroethene	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	Total Petroleum Hydrocarbons	2000 U	500	A	RLE	4.0	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	Toxaphene	4.5 U	0.08	B, Carc	RLE	56	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	Trichloroethene	1.0 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Hart Crowser 11/17/89
MW-3	1989	Vinyl Chloride	3.0 U	0.029	B, Carc	RLE	103	NA	NA	NA	Hart Crowser 11/17/89
MW-3	2/16/1990	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	1,2,4-Trichlorobenzene	10 U	80	B, NC	No	<1	2.5	RLE	4.0	Hart Crowser 2/15/91
MW-3	2/16/1990	1,2-Dichlorobenzene	10 U	720	B, NC	No	<1	5.2	RLE	1.9	Hart Crowser 2/15/91
MW-3	2/16/1990	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	1,4-Dichlorobenzene	10 U	1.8	B, Carc	RLE	5.6	21	No	<1	Hart Crowser 2/15/91
MW-3	2/16/1990	2,4,6-Trichlorophenol	10 U	4	B, Carc	RLE	2.5	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	2,4-Dimethylphenol	10 U	160	B, NC	No	<1	2.0	RLE	5.0	Hart Crowser 2/15/91
MW-3	2/16/1990	2,4-Dinitrophenol	50 U	32	B, NC	RLE	1.6	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	2-Methylphenol (o-cresol)	10 U	400	B, NC	No	<1	7.1	RLE	1.4	Hart Crowser 2/15/91
MW-3	2/16/1990	3,3'-Dichlorobenzidine	20 U	0.19	B, Carc	RLE	105	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	Acenaphthene	10 U	960	B, NC	No	<1	9.3	RLE	1.1	Hart Crowser 2/15/91
MW-3	2/16/1990	Aniline	10 U	7.7	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	Benzidine	100 U	0.00038	B, Carc	RLE	263158	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	Benzo(a)anthracene	10 U	NA	NA	NA	NA	0.63	RLE	16	Hart Crowser 2/15/91
MW-3	2/16/1990	Benzo(a)pyrene	10 U	0.012	B, Carc	RLE	833	0.27	RLE	37	Hart Crowser 2/15/91

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
MW-3	2/16/1990	Benzo(b)fluoranthene	10 U	NA	NA	NA	NA	0.56	RLE	18	Hart Crowser 2/15/91
MW-3	2/16/1990	Benzo(g,h,i)perylene	10 U	NA	NA	NA	NA	0.029	RLE	345	Hart Crowser 2/15/91
MW-3	2/16/1990	Benzo(k)fluoranthene	10 U	NA	NA	NA	NA	0.57	RLE	18	Hart Crowser 2/15/91
MW-3	2/16/1990	bis(2-chloroethyl)ether	10 U	0.04	B, Carc	RLE	250	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	bis(2-Ethylhexyl)phthalate	10 U	6.3	B, Carc	RLE	1.6	0.47	RLE	21	Hart Crowser 2/15/91
MW-3	2/16/1990	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	Butyl benzyl phthalate	10 U	3200	B, NC	No	<1	6.8	RLE	1.5	Hart Crowser 2/15/91
MW-3	2/16/1990	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	Chrysene	10 U	NA	NA	NA	NA	1.9	RLE	5.3	Hart Crowser 2/15/91
MW-3	2/16/1990	Dibenz(a,h)anthracene	10 U	NA	NA	NA	NA	0.013	RLE	769	Hart Crowser 2/15/91
MW-3	2/16/1990	Dibenzofuran	10 U	32	B, NC	No	<1	5.1	RLE	2.0	Hart Crowser 2/15/91
MW-3	2/16/1990	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	Fluorene	10 U	640	B, NC	No	<1	7.0	RLE	1.4	Hart Crowser 2/15/91
MW-3	2/16/1990	Hexachlorobenzene	10 U	0.055	B, Carc	RLE	182	0.029	RLE	345	Hart Crowser 2/15/91
MW-3	2/16/1990	Hexachlorobutadiene	10 U	0.56	B, Carc	RLE	18	6.2	RLE	1.6	Hart Crowser 2/15/91
MW-3	2/16/1990	Hexachloroethane	10 U	3.1	B, Carc	RLE	3.2	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	Indeno(1,2,3-cd)pyrene	10 U	NA	NA	NA	NA	0.033	RLE	303	Hart Crowser 2/15/91
MW-3	2/16/1990	Nitrobenzene	10 U	4	B, NC	RLE	2.5	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	N-nitrosodimethylamine	10 U	0.00086	B, Carc	RLE	11628	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	N-nitrosodiphenylamine	10 U	NA	NA	NA	NA	2.0	RLE	5.0	Hart Crowser 2/15/91
MW-3	2/16/1990	Pentachlorophenol	50 U	0.73	B, Carc	RLE	68	10	RLE	5.0	Hart Crowser 2/15/91
MW-3	2/16/1990	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Hart Crowser 2/15/91
MW-3	2/16/1990	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Hart Crowser 2/15/91
MW-3A	3/5/1990	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Hart Crowser 2/15/91
MW-3A	3/5/1990	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
MW-3A	3/5/1990	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Hart Crowser 2/15/91
MW-3A	3/5/1990	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 2/15/91
MW-3A	3/5/1990	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
MW-3A	3/5/1990	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Hart Crowser 2/15/91
MW-3A	3/5/1990	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 2/15/91
MW-3A	3/5/1990	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 2/15/91
MW-3A	3/5/1990	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Hart Crowser 2/15/91
MW-3A	3/5/1990	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 2/15/91
MW-3A	3/5/1990	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Hart Crowser 2/15/91
MW-3A	3/5/1990	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Hart Crowser 2/15/91
MW-4	1989	1,1,2,2-Tetrachloroethane	2.0 U	0.22	B, Carc	RLE	9.1	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	1,1,2-Trichloroethane	1.0 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	1,1-Dichloroethane	1.6	1600	B, NC	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	1,2-Dichloroethane	2.0 U	0.48	B, Carc	RLE	4.2	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	1,2-Dichloropropane	1.0 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	2,4,6-Trichlorophenol	5 U	4	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	3,3'-Dichlorobenzidine	5 U	0.19	B, Carc	RLE	26	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	Acetone	41	800	B, NC	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	Aldrin	0.03 U	0.00260	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	Aroclor 1254	0.6 U	0.32	B, NC	RLE	1.9	0.86	No	<1	Hart Crowser 11/17/89

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
MW-4	1989	Aroclor 1260	0.6 U	NA	NA	NA	NA	0.31	RLE	1.9	Hart Crowser 11/17/89
MW-4	1989	Benzene	1.0 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	Benzo(a)anthracene	1 U	NA	NA	NA	NA	0.63	RLE	1.6	Hart Crowser 11/17/89
MW-4	1989	Benzo(a)pyrene	1 U	0.012	B, Carc	RLE	83	0.27	RLE	3.7	Hart Crowser 11/17/89
MW-4	1989	Benzo(b)fluoranthene	1 U	NA	NA	NA	NA	0.56	RLE	1.8	Hart Crowser 11/17/89
MW-4	1989	Benzo(g,h,i)perylene	1 U	NA	NA	NA	NA	0.029	RLE	34	Hart Crowser 11/17/89
MW-4	1989	Benzo(k)fluoranthene	1 U	NA	NA	NA	NA	0.57	RLE	1.8	Hart Crowser 11/17/89
MW-4	1989	bis(2-chloroethyl)ether	1 U	0.04	B, Carc	RLE	25	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	bis(2-Ethylhexyl)phthalate	1 U	6.3	B, Carc	No	<1	0.47	RLE	2.1	Hart Crowser 11/17/89
MW-4	1989	Bromodichloromethane	1.1 M	0.71	B, Carc	Yes	1.5	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	Carbon Tetrachloride	2.0 U	0.34	B, Carc	RLE	5.9	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	Chloroform	4.9	7.2	B, Carc	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	Dibenz(a,h)anthracene	1 U	NA	NA	NA	NA	0.013	RLE	77	Hart Crowser 11/17/89
MW-4	1989	Dibromochloromethane	1.0 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	Dieldrin	0.06 U	0.0055	B, Carc	RLE	11	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	Heptachlor	0.03 U	0.019	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	Heptachlor Epoxide	0.03 U	0.0048	B, Carc	RLE	6.3	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	Hexachlorobenzene	1 U	0.055	B, Carc	RLE	18	0.029	RLE	34	Hart Crowser 11/17/89
MW-4	1989	Hexachlorobutadiene	2 U	0.56	B, Carc	RLE	3.6	6.2	No	<1	Hart Crowser 11/17/89
MW-4	1989	Indeno(1,2,3-cd)pyrene	1 U	NA	NA	NA	NA	0.033	RLE	30	Hart Crowser 11/17/89
MW-4	1989	MEK (2-Butanone)	5.9	4800	B, NC	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	Methylene Chloride	0.7 J,B	5	A	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	Naphthalene	0.5 J	160	A	No	<1	92	No	<1	Hart Crowser 11/17/89
MW-4	1989	Pentachlorophenol	5 U	0.73	B, Carc	RLE	6.8	10	No	<1	Hart Crowser 11/17/89
MW-4	1989	Tetrachloroethene	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	Toluene	0.3 M	640	B, NC	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	Total Petroleum Hydrocarbons	2000 U	500	A	RLE	4.0	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	Toxaphene	4.5 U	0.08	B, Carc	RLE	56	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	Trichloroethene	1.0 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Hart Crowser 11/17/89
MW-4	1989	Vinyl Chloride	3.0 U	0.029	B, Carc	RLE	103	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	1,1,2,2-Tetrachloroethane	2.0 U	0.22	B, Carc	RLE	9.1	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	1,1,2-Trichloroethane	1.0 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	1,2-Dichloroethane	2.0 U	0.48	B, Carc	RLE	4.2	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	1,2-Dichloropropane	1.0 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	2,4,6-Trichlorophenol	5 U	4	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	3,3'-Dichlorobenzidine	5 U	0.19	B, Carc	RLE	26	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	4-Methylphenol (p-cresol)	0.5 J	40	B, NC	No	<1	77	No	<1	Hart Crowser 11/17/89
MW-5	1989	Acetone	8.5	800	B, NC	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	Aldrin	0.06 U	0.00260	B, Carc	RLE	23	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	Aroclor 1254	0.8 U	0.32	B, NC	RLE	2.5	0.86	No	<1	Hart Crowser 11/17/89
MW-5	1989	Aroclor 1260	0.8 U	NA	NA	NA	NA	0.31	RLE	2.6	Hart Crowser 11/17/89
MW-5	1989	Benzene	1.0 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	Benzo(a)anthracene	1 U	NA	NA	NA	NA	0.63	RLE	1.6	Hart Crowser 11/17/89
MW-5	1989	Benzo(a)pyrene	1 U	0.012	B, Carc	RLE	83	0.27	RLE	3.7	Hart Crowser 11/17/89
MW-5	1989	Benzo(b)fluoranthene	1 U	NA	NA	NA	NA	0.56	RLE	1.8	Hart Crowser 11/17/89
MW-5	1989	Benzo(g,h,i)perylene	1 U	NA	NA	NA	NA	0.029	RLE	34	Hart Crowser 11/17/89
MW-5	1989	Benzo(k)fluoranthene	1 U	NA	NA	NA	NA	0.57	RLE	1.8	Hart Crowser 11/17/89



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
MW-5	1989	Benzyl Alcohol	0.4 J	2400	B, NC	No	<1	230	No	<1	Hart Crowser 11/17/89
MW-5	1989	bis(2-chloroethyl)ether	1 U	0.04	B, Carc	RLE	25	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	bis(2-Ethylhexyl)phthalate	1 U	6.3	B, Carc	No	<1	0.47	RLE	2.1	Hart Crowser 11/17/89
MW-5	1989	Bromodichloromethane	1.0 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	Carbon Tetrachloride	2.0 U	0.34	B, Carc	RLE	5.9	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	Chloroform	2.4	7.2	B, Carc	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	Dibenz(a,h)anthracene	1 U	NA	NA	NA	NA	0.013	RLE	77	Hart Crowser 11/17/89
MW-5	1989	Dibromochloromethane	1.0 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	Dieldrin	0.08 U	0.0055	B, Carc	RLE	15	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	Heptachlor	0.04 U	0.019	B, Carc	RLE	2.1	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	Heptachlor Epoxide	0.06 U	0.0048	B, Carc	RLE	12.5	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	Hexachlorobenzene	1 U	0.055	B, Carc	RLE	18	0.029	RLE	34	Hart Crowser 11/17/89
MW-5	1989	Hexachlorobutadiene	2 U	0.56	B, Carc	RLE	3.6	6.2	No	<1	Hart Crowser 11/17/89
MW-5	1989	Indeno(1,2,3-cd)pyrene	1 U	NA	NA	NA	NA	0.033	RLE	30	Hart Crowser 11/17/89
MW-5	1989	Methylene Chloride	0.5 J,B	5	A	No	<1	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	Pentachlorophenol	5 U	0.73	B, Carc	RLE	6.8	10	No	<1	Hart Crowser 11/17/89
MW-5	1989	Tetrachloroethene	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	Total Petroleum Hydrocarbons	2000 U	500	A	RLE	4.0	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	Toxaphene	0.8 U	0.08	B, Carc	RLE	10	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	Trichloroethene	1.0 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Hart Crowser 11/17/89
MW-5	1989	Vinyl Chloride	3.0 U	0.029	B, Carc	RLE	103	NA	NA	NA	Hart Crowser 11/17/89
MW-5A	3/6/1990	1,1,1-Trichloroethane	9	200	A	No	<1	NA	NA	NA	Hart Crowser 2/15/91
MW-5A	3/6/1990	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Hart Crowser 2/15/91
MW-5A	3/6/1990	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
MW-5A	3/6/1990	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Hart Crowser 2/15/91
MW-5A	3/6/1990	1,2-Dichloroethene, total	11	72	B, NC	No	<1	NA	NA	NA	Hart Crowser 2/15/91
MW-5A	3/6/1990	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 2/15/91
MW-5A	3/6/1990	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
MW-5A	3/6/1990	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Hart Crowser 2/15/91
MW-5A	3/6/1990	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 2/15/91
MW-5A	3/6/1990	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 2/15/91
MW-5A	3/6/1990	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Hart Crowser 2/15/91
MW-5A	3/6/1990	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 2/15/91
MW-5A	3/6/1990	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Hart Crowser 2/15/91
MW-5A	3/6/1990	Vinyl Chloride	59	0.029	B, Carc	Yes	2034	NA	NA	NA	Hart Crowser 2/15/91
NGW301/MW101A	3/9/1992	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	1,1-Dichloroethene	1	400	B, NC	No	<1	NA	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	3,3'-Dichlorobenzidine	5 U	0.19	B, Carc	RLE	26	NA	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Antimony	50 U	6.4	B, NC	RLE	7.8	370	No	<1	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Arsenic	8	0.058	B, Carc	Yes	138	370	No	<1	SECOR 11/21/95*
NGW301/MW101A	3/9/1992	Arsenic	8	0.058	B, Carc	Yes	138	370	No	<1	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Benzo(a)anthracene	1 U	NA	NA	NA	NA	0.63	RLE	1.6	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Benzo(a)pyrene	1 U	0.012	B, Carc	RLE	83	0.27	RLE	3.7	SECOR 12/14/92*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW301/MW101A	3/9/1992	Benzo(b)fluoranthene	1 U	NA	NA	NA	NA	0.56	RLE	1.8	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Benzo(g,h,i)perylene	1 U	NA	NA	NA	NA	0.029	RLE	34	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Benzo(k)fluoranthene	1 U	NA	NA	NA	NA	0.57	RLE	1.8	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Beryllium	1	32	B, NC	No	<1	NA	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	bis(2-chloroethyl)ether	1 U	0.04	B, Carc	RLE	25	NA	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	bis(2-Ethylhexyl)phthalate	1 U	6.3	B, Carc	RLE	<1	0.47	RLE	2.1	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Chromium	86	50	A	Yes	1.7	320	No	<1	SECOR 11/21/95*
NGW301/MW101A	3/9/1992	Chromium	86	50	A	Yes	1.7	320	No	<1	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	cis-1,2-Dichloroethene	79	80	B, NC	No	<1	NA	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Copper	125	590	B, NC	No	<1	120	No	1.0	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Dibenz(a,h)anthracene	1 U	NA	NA	NA	NA	0.013	RLE	77	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Hexachlorobenzene	1 U	0.055	B, Carc	RLE	18	0.029	RLE	34	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Hexachlorobutadiene	2 U	0.56	B, Carc	RLE	3.6	6.2	No	<1	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Indeno(1,2,3-cd)pyrene	1 U	NA	NA	NA	NA	0.033	RLE	30	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Lead	22	15	A	Yes	1.5	13	Yes	1.7	SECOR 11/21/95*
NGW301/MW101A	3/9/1992	Lead	22	15	A	Yes	1.5	13	Yes	1.7	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Mercury	0.2	2	A	No	<1	0.0074	Yes	27	SECOR 11/21/95*
NGW301/MW101A	3/9/1992	Mercury	0.2	2	A	No	<1	0.0074	Yes	27	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Nickel	50	NA	NA	NA	NA	NA	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Silver	3 U	80	B, NC	No	<1	1.5	RLE	2.0	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Tetrachloroethene	240	0.081	B, Carc	Yes	2963	NA	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	trans-1,2-Dichloroethene	0.7 M	160	B, NC	No	<1	NA	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Trichloroethene	91	0.49	B, Carc	Yes	186	NA	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Vinyl Chloride	51	0.029	B, Carc	Yes	1759	NA	NA	NA	SECOR 12/14/92*
NGW301/MW101A	3/9/1992	Zinc	157	4800	B, NC	No	<1	76	Yes	2.1	SECOR 12/14/92*
NGW301/MW101A	3/16/1992	Benzo(a)pyrene	0.1 U	0.012	B, Carc	RLE	8.3	0.27	No	<1	SECOR 12/14/92*
NGW301/MW101A	3/16/1992	Benzo(g,h,i)perylene	0.1 U	NA	NA	NA	NA	0.029	RLE	3.4	SECOR 12/14/92*
NGW301/MW101A	3/16/1992	Dibenz(a,h)anthracene	0.1 U	NA	NA	NA	NA	0.013	RLE	7.7	SECOR 12/14/92*
NGW301/MW101A	3/16/1992	Indeno(1,2,3-cd)pyrene	0.1 U	NA	NA	NA	NA	0.033	RLE	3.0	SECOR 12/14/92*
NGW301/MW101A	10/6/1992	1,1-Dichloroethane	0.6	1600	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	1,1-Dichloroethene	0.7 M	400	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	1,1-Dichloroethene	0.5	400	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Arsenic	11	0.058	B, Carc	Yes	190	370	No	<1	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Arsenic	12	0.058	B, Carc	Yes	207	370	No	<1	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Chromium	237	50	A	Yes	4.7	320	No	<1	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Chromium	300	50	A	Yes	6.0	320	No	<1	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	cis-1,2-Dichloroethene	150	80	B, NC	Yes	1.9	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	cis-1,2-Dichloroethene	180	80	B, NC	Yes	2.3	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Lead	63	15	A	Yes	4.2	13	Yes	4.8	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Lead	68	15	A	Yes	4.5	13	Yes	5.2	SECOR 11/21/95*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW301/MW101A	10/6/1992	Mercury	0.6	2	A	No	<1	0.0074	Yes	81	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Mercury	0.7	2	A	No	<1	0.0074	Yes	95	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Tetrachloroethene	110	0.081	B, Carc	Yes	1358	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Tetrachloroethene	120	0.081	B, Carc	Yes	1481	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	trans-1,2-Dichloroethene	1 M	160	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	trans-1,2-Dichloroethene	0.8 J	160	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Trichloroethene	110	0.49	B, Carc	Yes	224	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Trichloroethene	130	0.49	B, Carc	Yes	265	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Vinyl Chloride	25	0.029	B, Carc	Yes	862	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/6/1992	Vinyl Chloride	29	0.029	B, Carc	Yes	1000	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	7/22/1993	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	SECOR 11/21/95*
NGW301/MW101A	7/22/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	7/22/1993	Cadmium	5	5	A	No	1.0	3.4	Yes	1.5	SECOR 11/21/95*
NGW301/MW101A	7/22/1993	Chromium	18	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW301/MW101A	7/22/1993	cis-1,2-Dichloroethene	0.9 J	80	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	7/22/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	7/22/1993	Lead	3	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW301/MW101A	7/22/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW301/MW101A	7/22/1993	Tetrachloroethene	0.7 J	0.081	B, Carc	Yes	8.6	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	7/22/1993	Trichloroethene	1.1	0.49	B, Carc	Yes	2.2	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	7/22/1993	Vinyl Chloride	3.7	0.029	B, Carc	Yes	128	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/27/1993	1,1-Dichloroethane	0.9 J	1600	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/27/1993	1,1-Dichloroethene	0.8 J	400	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/27/1993	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	SECOR 11/21/95*
NGW301/MW101A	10/27/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/27/1993	Chromium	15	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW301/MW101A	10/27/1993	cis-1,2-Dichloroethene	75	80	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/27/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/27/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW301/MW101A	10/27/1993	Tetrachloroethene	30	0.081	B, Carc	Yes	370	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/27/1993	trans-1,2-Dichloroethene	0.7 J	160	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/27/1993	Trichloroethene	54	0.49	B, Carc	Yes	110	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	10/27/1993	Vinyl Chloride	38	0.029	B, Carc	Yes	1310	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	1/24/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW301/MW101A	1/24/1994	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	SECOR 11/21/95*
NGW301/MW101A	1/24/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	1/24/1994	Chromium	12	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW301/MW101A	1/24/1994	cis-1,2-Dichloroethene	60	80	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	1/24/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	1/24/1994	Lead	1	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW301/MW101A	1/24/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW301/MW101A	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW301/MW101A	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW301/MW101A	1/24/1994	Tetrachloroethene	130	0.081	B, Carc	Yes	1605	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	1/24/1994	Trichloroethene	60	0.49	B, Carc	Yes	122	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	1/24/1994	Vinyl Chloride	15	0.029	B, Carc	Yes	517	NA	NA	NA	SECOR 11/21/95*
NGW301/MW101A	4/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW301/MW101A	4/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	4/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	4/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	4/19/1994	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW301/MW101A	4/19/1994	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	Not Recorded*
NGW301/MW101A	4/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	4/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	4/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	4/19/1994	cis-1,2-Dichloroethene	100	80	B, NC	Yes	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	4/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	4/19/1994	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW301/MW101A	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW301/MW101A	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW301/MW101A	4/19/1994	Tetrachloroethene	240	0.081	B, Carc	Yes	2963	NA	NA	NA	Not Recorded*
NGW301/MW101A	4/19/1994	Trichloroethene	120	0.49	B, Carc	Yes	245	NA	NA	NA	Not Recorded*
NGW301/MW101A	4/19/1994	Vinyl Chloride	2.8	0.029	B, Carc	Yes	97	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1994	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	SECOR 11/21/95*
NGW301/MW101A	7/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1994	cis-1,2-Dichloroethene	180	80	B, NC	Yes	2.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1994	Lead	3	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW301/MW101A	7/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW301/MW101A	7/19/1994	Tetrachloroethene	190	0.081	B, Carc	Yes	2346	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1994	Trichloroethene	160	0.49	B, Carc	Yes	327	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1994	Vinyl Chloride	18	0.029	B, Carc	Yes	621	NA	NA	NA	Not Recorded*
NGW301/MW101A	10/20/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	10/20/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	10/20/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	10/20/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	10/20/1994	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	SECOR 11/21/95*
NGW301/MW101A	10/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	10/20/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	10/20/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	10/20/1994	Chromium	7	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW301/MW101A	10/20/1994	cis-1,2-Dichloroethene	150	80	B, NC	Yes	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	10/20/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	10/20/1994	Lead	1	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW301/MW101A	10/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW301/MW101A	10/20/1994	Tetrachloroethene	50	0.081	B, Carc	Yes	617	NA	NA	NA	Not Recorded*
NGW301/MW101A	10/20/1994	Trichloroethene	80	0.49	B, Carc	Yes	163	NA	NA	NA	Not Recorded*
NGW301/MW101A	10/20/1994	Vinyl Chloride	22	0.029	B, Carc	Yes	759	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW301/MW101A	1/23/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/23/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/23/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/23/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/23/1995	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW301/MW101A	1/23/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/23/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/23/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/23/1995	cis-1,2-Dichloroethene	54	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/23/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/23/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW301/MW101A	1/23/1995	Tetrachloroethene	210	0.081	B, Carc	Yes	2593	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/23/1995	Trichloroethene	69	0.49	B, Carc	Yes	141	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/23/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/23/1995	Vinyl Chloride	1.5	0.029	B, Carc	Yes	52	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/18/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/18/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/18/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/18/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/18/1995	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW301/MW101A	9/18/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/18/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/18/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/18/1995	cis-1,2-Dichloroethene	14	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/18/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/18/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW301/MW101A	9/18/1995	Tetrachloroethene	26	0.081	B, Carc	Yes	321	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/18/1995	Trichloroethene	11	0.49	B, Carc	Yes	22	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/18/1995	Vinyl Chloride	2.3	0.029	B, Carc	Yes	79	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/27/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/27/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/27/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/27/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/27/1996	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW301/MW101A	3/27/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/27/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/27/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/27/1996	cis-1,2-Dichloroethene	26	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/27/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/27/1996	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW301/MW101A	3/27/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW301/MW101A	3/27/1996	Tetrachloroethene	92	0.081	B, Carc	Yes	1136	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/27/1996	Trichloroethene	14	0.49	B, Carc	Yes	29	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/27/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/27/1996	Vinyl Chloride	0.96	0.029	B, Carc	Yes	33	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/10/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/10/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW301/MW101A	9/10/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/10/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/10/1996	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	Not Recorded*
NGW301/MW101A	9/10/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/10/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/10/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/10/1996	Chromium	9	50	A	No	<1	320	No	<1	Not Recorded*
NGW301/MW101A	9/10/1996	cis-1,2-Dichloroethene	36	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/10/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/10/1996	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW301/MW101A	9/10/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW301/MW101A	9/10/1996	Tetrachloroethene	83	0.081	B, Carc	Yes	1025	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/10/1996	Trichloroethene	19	0.49	B, Carc	Yes	39	NA	NA	NA	Not Recorded*
NGW301/MW101A	9/10/1996	Vinyl Chloride	4.1	0.029	B, Carc	Yes	141	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/18/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/18/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/18/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/18/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/18/1997	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW301/MW101A	3/18/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/18/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/18/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/18/1997	Chromium	6	50	A	No	<1	320	No	<1	Not Recorded*
NGW301/MW101A	3/18/1997	cis-1,2-Dichloroethene	12	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/18/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/18/1997	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW301/MW101A	3/18/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW301/MW101A	3/18/1997	Tetrachloroethene	54	0.081	B, Carc	Yes	667	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/18/1997	Trichloroethene	5.9	0.49	B, Carc	Yes	12	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/18/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW301/MW101A	3/18/1997	Vinyl Chloride	0.091	0.029	B, Carc	Yes	3.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/27/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/27/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/27/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/27/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/27/1997	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW301/MW101A	8/27/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/27/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/27/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/27/1997	cis-1,2-Dichloroethene	6.1	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/27/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/27/1997	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW301/MW101A	8/27/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW301/MW101A	8/27/1997	Tetrachloroethene	28	0.081	B, Carc	Yes	346	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/27/1997	Trichloroethene	3.9	0.49	B, Carc	Yes	8.0	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/27/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/27/1997	Vinyl Chloride	0.039	0.029	B, Carc	Yes	1.3	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW301/MW101A	7/28/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW301/MW101A	7/28/1998	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	Not Recorded*
NGW301/MW101A	7/28/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	cis-1,2-Dichloroethene	13	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	cis-1,2-Dichloroethene	13	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Lead	4	15	A	No	<1	13	No	<1	Not Recorded*
NGW301/MW101A	7/28/1998	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW301/MW101A	7/28/1998	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW301/MW101A	7/28/1998	Tetrachloroethene	38	0.081	B, Carc	Yes	469	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Tetrachloroethene	38	0.081	B, Carc	Yes	469	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Trichloroethene	11	0.49	B, Carc	Yes	22	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Trichloroethene	11	0.49	B, Carc	Yes	22	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Vinyl Chloride	0.3	0.029	B, Carc	Yes	10	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/28/1998	Vinyl Chloride	0.32	0.029	B, Carc	Yes	11	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW301/MW101A	1/18/1999	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW301/MW101A	1/18/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW301/MW101A	1/18/1999	Chromium	6	50	A	No	<1	320	No	<1	Not Recorded*
NGW301/MW101A	1/18/1999	cis-1,2-Dichloroethene	5.4	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	cis-1,2-Dichloroethene	6.9	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW301/MW101A	1/18/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW301/MW101A	1/18/1999	Tetrachloroethene	39	0.081	B, Carc	Yes	481	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Tetrachloroethene	42	0.081	B, Carc	Yes	519	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Trichloroethene	4.1	0.49	B, Carc	Yes	8.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Trichloroethene	4.6	0.49	B, Carc	Yes	9.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW301/MW101A	1/18/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1999	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW301/MW101A	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1999	cis-1,2-Dichloroethene	9	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW301/MW101A	7/19/1999	Tetrachloroethene	42	0.081	B, Carc	Yes	519	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1999	Trichloroethene	7.4	0.49	B, Carc	Yes	15	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1999	Vinyl Chloride	0.7 J	0.029	B, Carc	Yes	24	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/19/1999	Vinyl Chloride	0.59	0.029	B, Carc	Yes	20	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/21/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/21/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/21/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/21/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/21/2000	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW301/MW101A	2/21/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/21/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/21/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/21/2000	cis-1,2-Dichloroethene	9.4	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/21/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/21/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW301/MW101A	2/21/2000	Tetrachloroethene	41	0.081	B, Carc	Yes	506	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/21/2000	Trichloroethene	5.4	0.49	B, Carc	Yes	11	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/21/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/21/2000	Vinyl Chloride	0.074	0.029	B, Carc	Yes	2.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/24/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/24/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW301/MW101A	7/24/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/24/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/24/2000	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW301/MW101A	7/24/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/24/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/24/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/24/2000	cis-1,2-Dichloroethene	17	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/24/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/24/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW301/MW101A	7/24/2000	Tetrachloroethene	51	0.081	B, Carc	Yes	630	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/24/2000	Trichloroethene	13	0.49	B, Carc	Yes	27	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/24/2000	Vinyl Chloride	1.6	0.029	B, Carc	Yes	55	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/24/2000	Vinyl Chloride	5.3	0.029	B, Carc	Yes	183	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2001	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW301/MW101A	2/18/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2001	cis-1,2-Dichloroethene	58	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW301/MW101A	2/18/2001	Methylene Chloride	6.3	5	A	Yes	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2001	Tetrachloroethene	72	0.081	B, Carc	Yes	889	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2001	Trichloroethene	26	0.49	B, Carc	Yes	53	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2001	Vinyl Chloride	6.2	0.029	B, Carc	Yes	214	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2001	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	Not Recorded*
NGW301/MW101A	8/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2001	cis-1,2-Dichloroethene	5.5	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW301/MW101A	8/20/2001	Tetrachloroethene	11	0.081	B, Carc	Yes	136	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2001	Trichloroethene	3.9	0.49	B, Carc	Yes	8.0	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2001	Vinyl Chloride	1.9	0.029	B, Carc	Yes	66	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2002	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW301/MW101A	2/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2002	cis-1,2-Dichloroethene	37	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW301/MW101A	2/18/2002	Tetrachloroethene	89	0.081	B, Carc	Yes	1099	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2002	Trichloroethene	29	0.49	B, Carc	Yes	59	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/18/2002	Vinyl Chloride	2.2	0.029	B, Carc	Yes	76	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW301/MW101A	8/18/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2002	Arsenic	12	0.058	B, Carc	Yes	207	370	No	<1	Not Recorded*
NGW301/MW101A	8/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2002	Chromium	6	50	A	No	<1	320	No	<1	Not Recorded*
NGW301/MW101A	8/18/2002	cis-1,2-Dichloroethene	39	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW301/MW101A	8/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW301/MW101A	8/18/2002	Tetrachloroethene	44	0.081	B, Carc	Yes	543	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2002	Trichloroethene	20	0.49	B, Carc	Yes	41	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2002	Vinyl Chloride	4.4	0.029	B, Carc	Yes	152	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/17/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/17/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/17/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/17/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW301/MW101A	2/17/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/17/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/17/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/17/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/17/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/17/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/17/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/17/2003	cis-1,2-Dichloroethene	39	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/17/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/17/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/17/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW301/MW101A	2/17/2003	Tetrachloroethene	84	0.081	B, Carc	Yes	1037	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/17/2003	Trichloroethene	30	0.49	B, Carc	Yes	61	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW301/MW101A	2/17/2003	Vinyl Chloride	1.9	0.029	B, Carc	Yes	66	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/10/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/10/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/10/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/10/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW301/MW101A	7/10/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/10/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/10/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/10/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/10/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/10/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/10/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/10/2003	cis-1,2-Dichloroethene	55	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/10/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/10/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/10/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW301/MW101A	7/10/2003	Tetrachloroethene	29	0.081	B, Carc	Yes	358	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/10/2003	Trichloroethene	20	0.49	B, Carc	Yes	41	NA	NA	NA	Not Recorded*
NGW301/MW101A	7/10/2003	Vinyl Chloride	4.7	0.029	B, Carc	Yes	162	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/9/2004	cis-1,2-Dichloroethene	25	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/9/2004	cis-1,2-Dichloroethene	28	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/9/2004	Tetrachloroethene	58	0.081	B, Carc	Yes	716	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/9/2004	Tetrachloroethene	60	0.081	B, Carc	Yes	741	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/9/2004	Trichloroethene	28	0.49	B, Carc	Yes	57	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/9/2004	Trichloroethene	31	0.49	B, Carc	Yes	63	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/9/2004	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/9/2004	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/6/2004	cis-1,2-Dichloroethene	14	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/6/2004	Tetrachloroethene	6.8	0.081	B, Carc	Yes	84	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/6/2004	Trichloroethene	4.9	0.49	B, Carc	Yes	10	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/6/2004	Vinyl Chloride	1.9	0.029	B, Carc	Yes	66	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/7/2005	cis-1,2-Dichloroethene	32	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/7/2005	Tetrachloroethene	54	0.081	B, Carc	Yes	667	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/7/2005	Trichloroethene	21	0.49	B, Carc	Yes	43	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/7/2005	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2005	cis-1,2-Dichloroethene	43	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2005	Tetrachloroethene	8	0.081	B, Carc	Yes	99	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2005	Trichloroethene	18	0.49	B, Carc	Yes	37	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/18/2005	Vinyl Chloride	1.3	0.029	B, Carc	Yes	45	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/20/2006	cis-1,2-Dichloroethene	32	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/20/2006	Tetrachloroethene	66	0.081	B, Carc	Yes	815	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/20/2006	Trichloroethene	33	0.49	B, Carc	Yes	67	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/20/2006	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/14/2006	cis-1,2-Dichloroethene	26	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/14/2006	Tetrachloroethene	1.6	0.081	B, Carc	Yes	20	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/14/2006	Trichloroethene	5.6	0.49	B, Carc	Yes	11	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/14/2006	Vinyl Chloride	1.4 U	0.029	B, Carc	RLE	48	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW301/MW101A	2/20/2007	cis-1,2-Dichloroethene	24	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/20/2007	Tetrachloroethene	22	0.081	B, Carc	Yes	272	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/20/2007	Trichloroethene	17	0.49	B, Carc	Yes	35	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/20/2007	Vinyl Chloride	1.5	0.029	B, Carc	Yes	52	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2007	cis-1,2-Dichloroethene	52	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2007	Tetrachloroethene	3.4	0.081	B, Carc	Yes	42	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2007	Trichloroethene	1.2	0.49	B, Carc	Yes	2.4	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2007	Vinyl Chloride	1.8	0.029	B, Carc	Yes	62	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/19/2008	cis-1,2-Dichloroethene	58	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/19/2008	cis-1,2-Dichloroethene	60	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/19/2008	Tetrachloroethene	60	0.081	B, Carc	Yes	741	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/19/2008	Tetrachloroethene	60	0.081	B, Carc	Yes	741	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/19/2008	Trichloroethene	53	0.49	B, Carc	Yes	108	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/19/2008	Trichloroethene	54	0.49	B, Carc	Yes	110	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/19/2008	Vinyl Chloride	2.1	0.029	B, Carc	Yes	72	NA	NA	NA	Not Recorded*
NGW301/MW101A	2/19/2008	Vinyl Chloride	2.1	0.029	B, Carc	Yes	72	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2008	cis-1,2-Dichloroethene	140	80	B, NC	Yes	1.8	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2008	Tetrachloroethene	3.6	0.081	B, Carc	Yes	44	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2008	Trichloroethene	8	0.49	B, Carc	Yes	16	NA	NA	NA	Not Recorded*
NGW301/MW101A	8/20/2008	Vinyl Chloride	6.1	0.029	B, Carc	Yes	210	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/9/1992	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	2,4,6-Trichlorophenol	5 U	4	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	3,3'-Dichlorobenzidine	5 U	0.19	B, Carc	RLE	26	NA	NA	NA	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Antimony	50 U	6.4	B, NC	RLE	7.8	370	No	<1	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	SECOR 11/21/95*
NGW302/MW-101B	3/9/1992	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Benzo(a)anthracene	1 U	NA	NA	NA	NA	0.63	RLE	1.6	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Benzo(a)pyrene	1 U	0.012	B, Carc	RLE	83	0.27	RLE	3.7	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Benzo(b)fluoranthene	1 U	NA	NA	NA	NA	0.56	RLE	1.8	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Benzo(g,h,i)perylene	1 U	NA	NA	NA	NA	0.029	RLE	34	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Benzo(k)fluoranthene	1 U	NA	NA	NA	NA	0.57	RLE	1.8	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	bis(2-chloroethyl)ether	1 U	0.04	B, Carc	RLE	25	NA	NA	NA	SECOR 12/14/92*
<b>NGW302/MW-101B</b>	<b>3/9/1992</b>	<b>bis(2-Ethylhexyl)phthalate</b>	<b>0.9 J</b>	<b>6.3</b>	<b>B, Carc</b>	<b>No</b>	<b>&lt;1</b>	<b>0.47</b>	<b>Yes</b>	<b>1.9</b>	<b>SECOR 12/14/92*</b>
NGW302/MW-101B	3/9/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Chromium	57	50	A	Yes	1.1	320	No	<1	SECOR 11/21/95*
NGW302/MW-101B	3/9/1992	Chromium	57	50	A	Yes	1.1	320	No	<1	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Copper	57	590	B, NC	No	<1	120	No	<1	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Dibenz(a,h)anthracene	1 U	NA	NA	NA	NA	0.013	RLE	77	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Hexachlorobenzene	1 U	0.055	B, Carc	RLE	18	0.029	RLE	34	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Hexachlorobutadiene	2 U	0.56	B, Carc	RLE	3.6	6.2	No	<1	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Indeno(1,2,3-cd)pyrene	1 U	NA	NA	NA	NA	0.033	RLE	30	SECOR 12/14/92*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW302/MW-101B	3/9/1992	Lead	12	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW302/MW-101B	3/9/1992	Lead	12	15	A	No	<1	13	No	<1	SECOR 12/14/92*
<b>NGW302/MW-101B</b>	<b>3/9/1992</b>	<b>Mercury</b>	<b>0.1</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.0074</b>	<b>Yes</b>	<b>14</b>	<b>SECOR 11/21/95*</b>
<b>NGW302/MW-101B</b>	<b>3/9/1992</b>	<b>Mercury</b>	<b>0.1</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.0074</b>	<b>Yes</b>	<b>14</b>	<b>SECOR 12/14/92*</b>
NGW302/MW-101B	3/9/1992	Nickel	50	NA	NA	NA	NA	NA	NA	NA	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Pentachlorophenol	5 U	0.73	B, Carc	RLE	6.8	10	No	<1	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Silver	3 U	80	B, NC	No	<1	1.5	RLE	2.0	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	SECOR 12/14/92*
NGW302/MW-101B	3/9/1992	Zinc	73	4800	B, NC	No	<1	76	No	<1	SECOR 12/14/92*
NGW302/MW-101B	3/16/1992	Acenaphthene	0.17	960	B, NC	No	<1	9.3	No	<1	SECOR 12/14/92*
NGW302/MW-101B	3/16/1992	Benzo(a)anthracene	0.18	NA	NA	NA	NA	0.63	No	<1	SECOR 12/14/92*
NGW302/MW-101B	3/16/1992	Benzo(a)pyrene	0.1 U	0.012	B, Carc	RLE	8.3	0.27	No	<1	SECOR 12/14/92*
NGW302/MW-101B	3/16/1992	Benzo(g,h,i)perylene	0.1 U	NA	NA	NA	NA	0.029	RLE	3.4	SECOR 12/14/92*
NGW302/MW-101B	3/16/1992	Dibenz(a,h)anthracene	0.1 U	NA	NA	NA	NA	0.013	RLE	7.7	SECOR 12/14/92*
NGW302/MW-101B	3/16/1992	Fluoranthene	0.18	640	B, NC	No	<1	17	No	<1	SECOR 12/14/92*
NGW302/MW-101B	3/16/1992	Indeno(1,2,3-cd)pyrene	0.1 U	NA	NA	NA	NA	0.033	RLE	3.0	SECOR 12/14/92*
NGW302/MW-101B	3/16/1992	PAHs, total carcinogenic	0.18	0.012	B, Carc	Yes	15	NA	NA	NA	SECOR 12/14/92*
NGW302/MW-101B	10/6/1992	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 11/21/95*
NGW302/MW-101B	10/6/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
<b>NGW302/MW-101B</b>	<b>10/6/1992</b>	<b>Cadmium</b>	<b>34</b>	<b>5</b>	<b>A</b>	<b>Yes</b>	<b>6.8</b>	<b>3.4</b>	<b>Yes</b>	<b>10</b>	<b>SECOR 11/21/95*</b>
NGW302/MW-101B	10/6/1992	Chromium	52	50	A	No	1.0	320	No	<1	SECOR 11/21/95*
NGW302/MW-101B	10/6/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW302/MW-101B	10/6/1992	Lead	11	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW302/MW-101B	10/6/1992	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW302/MW-101B	10/6/1992	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW302/MW-101B	10/6/1992	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW302/MW-101B	10/6/1992	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	SECOR 11/21/95*
NGW302/MW-101B	7/22/1993	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW302/MW-101B	7/22/1993	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW302/MW-101B	7/22/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
<b>NGW302/MW-101B</b>	<b>7/22/1993</b>	<b>Cadmium</b>	<b>6</b>	<b>5</b>	<b>A</b>	<b>Yes</b>	<b>1.2</b>	<b>3.4</b>	<b>Yes</b>	<b>1.8</b>	<b>SECOR 11/21/95*</b>
<b>NGW302/MW-101B</b>	<b>7/22/1993</b>	<b>Cadmium</b>	<b>6</b>	<b>5</b>	<b>A</b>	<b>Yes</b>	<b>1.2</b>	<b>3.4</b>	<b>Yes</b>	<b>1.8</b>	<b>SECOR 11/21/95*</b>
NGW302/MW-101B	7/22/1993	Chromium	12	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW302/MW-101B	7/22/1993	Chromium	13	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW302/MW-101B	7/22/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW302/MW-101B	7/22/1993	Lead	4	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW302/MW-101B	7/22/1993	Lead	4	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW302/MW-101B	7/22/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW302/MW-101B	7/22/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW302/MW-101B	7/22/1993	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW302/MW-101B	7/22/1993	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW302/MW-101B	7/22/1993	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	SECOR 11/21/95*
NGW302/MW-101B	10/27/1993	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	SECOR 11/21/95*
NGW302/MW-101B	10/27/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW302/MW-101B	10/27/1993	Cadmium	2	5	A	No	<1	3.4	No	<1	SECOR 11/21/95*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW302/MW-101B	10/27/1993	Chromium	20	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW302/MW-101B	10/27/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW302/MW-101B	10/27/1993	Lead	3	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW302/MW-101B	10/27/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW302/MW-101B	10/27/1993	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW302/MW-101B	10/27/1993	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW302/MW-101B	10/27/1993	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	SECOR 11/21/95*
NGW302/MW-101B	1/24/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW302/MW-101B	1/24/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW302/MW-101B	1/24/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW302/MW-101B	1/24/1994	Chromium	9	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW302/MW-101B	1/24/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW302/MW-101B	1/24/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW302/MW-101B	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW302/MW-101B	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW302/MW-101B	1/24/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW302/MW-101B	1/24/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW302/MW-101B	1/24/1994	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	SECOR 11/21/95*
NGW302/MW-101B	4/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW302/MW-101B	4/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	4/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	4/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW302/MW-101B	4/19/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW302/MW-101B	4/19/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW302/MW-101B	4/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	4/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW302/MW-101B	4/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	4/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	4/19/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW302/MW-101B	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW302/MW-101B	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW302/MW-101B	4/19/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW302/MW-101B	4/19/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	4/19/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW302/MW-101B	4/19/1994	Vinyl Chloride	1.1	0.029	B, Carc	Yes	38	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1994	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 11/21/95*
NGW302/MW-101B	7/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW302/MW-101B	7/19/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW302/MW-101B	7/19/1994	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW302/MW-101B	10/20/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW302/MW-101B	10/20/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	10/20/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	10/20/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW302/MW-101B	10/20/1994	Acetone	9	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	10/20/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW302/MW-101B	10/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	10/20/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW302/MW-101B	10/20/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	10/20/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	10/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW302/MW-101B	10/20/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW302/MW-101B	10/20/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	10/20/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW302/MW-101B	10/20/1994	Vinyl Chloride	0.061	0.029	B, Carc	Yes	2.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/23/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/23/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/23/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/23/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/23/1995	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 11/21/95*
NGW302/MW-101B	1/23/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/23/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/23/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/23/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/23/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW302/MW-101B	1/23/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/23/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/23/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/23/1995	Vinyl Chloride	0.088	0.029	B, Carc	Yes	3.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/18/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/18/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/18/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/18/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/18/1995	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW302/MW-101B	9/18/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/18/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/18/1995	Carbon Disulfide	1.2	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/18/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/18/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/18/1995	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW302/MW-101B	9/18/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW302/MW-101B	9/18/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/18/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/18/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/18/1995	Vinyl Chloride	0.062	0.029	B, Carc	Yes	2.1	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW302/MW-101B	3/27/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/27/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/27/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/27/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/27/1996	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW302/MW-101B	3/27/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/27/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/27/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/27/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/27/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW302/MW-101B	3/27/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/27/1996	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/27/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/27/1996	Vinyl Chloride	0.43	0.029	B, Carc	Yes	15	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/10/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/10/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/10/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/10/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/10/1996	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW302/MW-101B	9/10/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/10/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/10/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/10/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/10/1996	Lead	3	15	A	No	<1	13	No	<1	Not Recorded*
NGW302/MW-101B	9/10/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW302/MW-101B	9/10/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/10/1996	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/10/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW302/MW-101B	9/10/1996	Vinyl Chloride	0.16	0.029	B, Carc	Yes	5.5	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/18/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/18/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/18/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/18/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/18/1997	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW302/MW-101B	3/18/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/18/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/18/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/18/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/18/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW302/MW-101B	3/18/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/18/1997	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/18/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW302/MW-101B	3/18/1997	Vinyl Chloride	0.26	0.029	B, Carc	Yes	9.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/27/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/27/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/27/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/27/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW302/MW-101B	8/27/1997	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW302/MW-101B	8/27/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/27/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/27/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/27/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/27/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW302/MW-101B	8/27/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/27/1997	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/27/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/27/1997	Vinyl Chloride	0.3	0.029	B, Carc	Yes	10	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/28/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/28/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/28/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/28/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/28/1998	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW302/MW-101B	7/28/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/28/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/28/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/28/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/28/1998	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW302/MW-101B	7/28/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/28/1998	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/28/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/28/1998	Vinyl Chloride	0.087	0.029	B, Carc	Yes	3.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/18/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/18/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/18/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/18/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/18/1999	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW302/MW-101B	1/18/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/18/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/18/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/18/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/18/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW302/MW-101B	1/18/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/18/1999	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/18/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW302/MW-101B	1/18/1999	Vinyl Chloride	0.076 M	0.029	B, Carc	Yes	2.6	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1999	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW302/MW-101B	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW302/MW-101B	7/19/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW302/MW-101B	7/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1999	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1999	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/19/1999	Vinyl Chloride	0.097	0.029	B, Carc	Yes	3.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/21/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/21/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/21/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/21/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/21/2000	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW302/MW-101B	2/21/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/21/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/21/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/21/2000	Chromium	7	50	A	No	<1	320	No	<1	Not Recorded*
NGW302/MW-101B	2/21/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/21/2000	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW302/MW-101B	2/21/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW302/MW-101B	2/21/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/21/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/21/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/21/2000	Vinyl Chloride	0.089	0.029	B, Carc	Yes	3.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/24/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/24/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/24/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/24/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/24/2000	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW302/MW-101B	7/24/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/24/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/24/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/24/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/24/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW302/MW-101B	7/24/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/24/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/24/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	7/24/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2001	Acetone	6.1	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2001	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW302/MW-101B	2/18/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW302/MW-101B	2/18/2001	Methylene Chloride	6.4	5	A	Yes	1.3	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW302/MW-101B	2/18/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/20/2001	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW302/MW-101B	8/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/20/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW302/MW-101B	8/20/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/20/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/20/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/20/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2002	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW302/MW-101B	2/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW302/MW-101B	2/18/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	2/18/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/18/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/18/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW302/MW-101B	8/18/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/18/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/18/2002	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW302/MW-101B	8/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/18/2002	Chromium	8	50	A	No	<1	320	No	<1	Not Recorded*
NGW302/MW-101B	8/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/18/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW302/MW-101B	8/18/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW302/MW-101B	8/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW302/MW-101B	8/18/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/18/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW302/MW-101B	8/18/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/9/1992	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	1,1-Dichloroethane	0.9 M	1600	B, NC	No	<1	NA	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	1,1-Dichloroethene	1.8	400	B, NC	No	<1	NA	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Antimony	50 U	6.4	B, NC	RLE	7.8	370	No	<1	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Arsenic	21	0.058	B, Carc	Yes	362	370	No	<1	SECOR 11/21/95*
NGW303/MW-102A	3/9/1992	Arsenic	21	0.058	B, Carc	Yes	362	370	No	<1	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Beryllium	5	32	B, NC	No	<1	NA	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Cadmium	3	5	A	No	<1	3.4	No	<1	SECOR 11/21/95*
NGW303/MW-102A	3/9/1992	Cadmium	3	5	A	No	<1	3.4	No	<1	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Chloroform	1.4	7.2	B, Carc	No	<1	NA	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Chromium	346	50	A	Yes	6.9	320	Yes	1.1	SECOR 11/21/95*
NGW303/MW-102A	3/9/1992	Chromium	346	50	A	Yes	6.9	320	Yes	1.1	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	cis-1,2-Dichloroethene	190	80	B, NC	Yes	2.4	NA	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Copper	457	590	B, NC	No	<1	120	Yes	3.8	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Lead	94	15	A	Yes	6.3	13	Yes	7.2	SECOR 11/21/95*
NGW303/MW-102A	3/9/1992	Lead	94.4	15	A	Yes	6.3	13	Yes	7.3	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Mercury	0.6	2	A	No	<1	0.0074	Yes	81	SECOR 11/21/95*
NGW303/MW-102A	3/9/1992	Mercury	0.6	2	A	No	<1	0.0074	Yes	81	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Nickel	200	NA	NA	NA	NA	NA	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Silver	4	80	B, NC	No	<1	1.5	Yes	2.7	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Tetrachloroethene	2	0.081	B, Carc	Yes	25	NA	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	trans-1,2-Dichloroethene	0.9 J	160	B, NC	No	<1	NA	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Trichloroethene	3.5	0.49	B, Carc	Yes	7.1	NA	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Vinyl Chloride	99	0.029	B, Carc	Yes	3414	NA	NA	NA	SECOR 12/14/92*
NGW303/MW-102A	3/9/1992	Zinc	489	4800	B, NC	No	<1	76	Yes	6.4	SECOR 12/14/92*
NGW303/MW-102A	3/16/1992	Benzo(a)pyrene	0.1 U	0.012	B, Carc	RLE	8.3	0.27	No	<1	SECOR 12/14/92*
NGW303/MW-102A	3/16/1992	Benzo(g,h,i)perylene	0.1 U	NA	NA	NA	NA	0.029	RLE	3.4	SECOR 12/14/92*
NGW303/MW-102A	3/16/1992	Dibenz(a,h)anthracene	0.1 U	NA	NA	NA	NA	0.013	RLE	7.7	SECOR 12/14/92*
NGW303/MW-102A	3/16/1992	Indeno(1,2,3-cd)pyrene	0.1 U	NA	NA	NA	NA	0.033	RLE	3.0	SECOR 12/14/92*
NGW303/MW-102A	10/6/1992	1,1-Dichloroethene	1	400	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	1,1-Dichloroethene	1.1	400	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Arsenic	8	0.058	B, Carc	Yes	138	370	No	<1	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Arsenic	10	0.058	B, Carc	Yes	172	370	No	<1	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW303/MW-102A	10/6/1992	Cadmium	6	5	A	Yes	1.2	3.4	Yes	1.8	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Cadmium	4	5	A	No	<1	3.4	Yes	1.2	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Chromium	196	50	A	Yes	3.9	320	No	<1	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Chromium	216	50	A	Yes	4.3	320	No	<1	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	cis-1,2-Dichloroethene	120	80	B, NC	Yes	1.5	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	cis-1,2-Dichloroethene	130	80	B, NC	Yes	1.6	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Lead	54	15	A	Yes	3.6	13	Yes	4.2	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Lead	67	15	A	Yes	4.5	13	Yes	5.2	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Mercury	0.4	2	A	No	<1	0.0074	Yes	54	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Mercury	0.5	2	A	No	<1	0.0074	Yes	68	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Tetrachloroethene	3.5	0.081	B, Carc	Yes	43	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Tetrachloroethene	4.4	0.081	B, Carc	Yes	54	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Trichloroethene	1.9	0.49	B, Carc	Yes	3.9	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Trichloroethene	2	0.49	B, Carc	Yes	4.1	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Vinyl Chloride	49	0.029	B, Carc	Yes	1690	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/6/1992	Vinyl Chloride	55	0.029	B, Carc	Yes	1897	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	7/22/1993	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 11/21/95*
NGW303/MW-102A	7/22/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	7/22/1993	Cadmium	10	5	A	Yes	2.0	3.4	Yes	2.9	SECOR 11/21/95*
NGW303/MW-102A	7/22/1993	Chromium	15	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW303/MW-102A	7/22/1993	cis-1,2-Dichloroethene	73	80	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	7/22/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	7/22/1993	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW303/MW-102A	7/22/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW303/MW-102A	7/22/1993	Tetrachloroethene	8.5	0.081	B, Carc	Yes	105	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	7/22/1993	Trichloroethene	3	0.49	B, Carc	Yes	6.1	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	7/22/1993	Vinyl Chloride	52	0.029	B, Carc	Yes	1793	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/27/1993	1,1-Dichloroethane	0.6 J	1600	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/27/1993	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 11/21/95*
NGW303/MW-102A	10/27/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/27/1993	Cadmium	8	5	A	Yes	1.6	3.4	Yes	2.4	SECOR 11/21/95*
NGW303/MW-102A	10/27/1993	Chromium	26	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW303/MW-102A	10/27/1993	cis-1,2-Dichloroethene	56	80	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/27/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/27/1993	Lead	4	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW303/MW-102A	10/27/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW303/MW-102A	10/27/1993	Tetrachloroethene	7.6	0.081	B, Carc	Yes	94	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/27/1993	Trichloroethene	3.6	0.49	B, Carc	Yes	7.3	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	10/27/1993	Vinyl Chloride	70	0.029	B, Carc	Yes	2414	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	1,1-Dichloroethane	0.6 J	1600	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	Cadmium	7	5	A	Yes	1.4	3.4	Yes	2.1	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	Chromium	14	50	A	No	<1	320	No	<1	SECOR 11/21/95*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW303/MW-102A	1/24/1994	Chromium	25	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	cis-1,2-Dichloroethene	14	80	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	Lead	1	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	Lead	5	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	Tetrachloroethene	34	0.081	B, Carc	Yes	420	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	Trichloroethene	8.1	0.49	B, Carc	Yes	17	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	1/24/1994	Vinyl Chloride	68	0.029	B, Carc	Yes	2345	NA	NA	NA	SECOR 11/21/95*
NGW303/MW-102A	4/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW303/MW-102A	4/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	4/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	4/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW303/MW-102A	4/19/1994	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 11/21/95*
NGW303/MW-102A	4/19/1994	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	SECOR 11/21/95*
NGW303/MW-102A	4/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	4/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	4/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	4/19/1994	Chromium	17	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW303/MW-102A	4/19/1994	Chromium	23	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW303/MW-102A	4/19/1994	cis-1,2-Dichloroethene	11	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	4/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	4/19/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW303/MW-102A	4/19/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW303/MW-102A	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW303/MW-102A	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW303/MW-102A	4/19/1994	Tetrachloroethene	9.4	0.081	B, Carc	Yes	116	NA	NA	NA	Not Recorded*
NGW303/MW-102A	4/19/1994	Trichloroethene	2.9	0.49	B, Carc	Yes	5.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	4/19/1994	Vinyl Chloride	39	0.029	B, Carc	Yes	1345	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1994	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 11/21/95*
NGW303/MW-102A	7/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1994	Chromium	17	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW303/MW-102A	7/19/1994	cis-1,2-Dichloroethene	4.4	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW303/MW-102A	7/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW303/MW-102A	7/19/1994	Tetrachloroethene	4.7	0.081	B, Carc	Yes	58	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1994	Trichloroethene	1.4	0.49	B, Carc	Yes	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1994	Vinyl Chloride	14	0.029	B, Carc	Yes	483	NA	NA	NA	Not Recorded*
NGW303/MW-102A	10/20/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW303/MW-102A	10/20/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	10/20/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	10/20/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW303/MW-102A	10/20/1994	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 11/21/95*
NGW303/MW-102A	10/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	10/20/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	10/20/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	10/20/1994	Chromium	20	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW303/MW-102A	10/20/1994	cis-1,2-Dichloroethene	3.2	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	10/20/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	10/20/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW303/MW-102A	10/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW303/MW-102A	10/20/1994	Tetrachloroethene	5.1	0.081	B, Carc	Yes	63	NA	NA	NA	Not Recorded*
NGW303/MW-102A	10/20/1994	Trichloroethene	1.4	0.49	B, Carc	Yes	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	10/20/1994	Vinyl Chloride	8.6	0.029	B, Carc	Yes	297	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/23/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/23/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/23/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/23/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/23/1995	Acetone	27	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/23/1995	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	SECOR 11/21/95*
NGW303/MW-102A	1/23/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/23/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/23/1995	Cadmium	4	5	A	No	<1	3.4	Yes	1.2	SECOR 11/21/95*
NGW303/MW-102A	1/23/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/23/1995	cis-1,2-Dichloroethene	12	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/23/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/23/1995	Lead	3	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW303/MW-102A	1/23/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW303/MW-102A	1/23/1995	Tetrachloroethene	15	0.081	B, Carc	Yes	185	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/23/1995	Trichloroethene	3.6	0.49	B, Carc	Yes	7.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/23/1995	Vinyl Chloride	3.8	0.029	B, Carc	Yes	131	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/23/1995	Vinyl Chloride	4.6	0.029	B, Carc	Yes	159	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/18/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/18/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/18/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/18/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/18/1995	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	Not Recorded*
NGW303/MW-102A	9/18/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/18/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/18/1995	Carbon Disulfide	2.5	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/18/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/18/1995	Chromium	20	50	A	No	<1	320	No	<1	Not Recorded*
NGW303/MW-102A	9/18/1995	cis-1,2-Dichloroethene	3.5	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/18/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/18/1995	Lead	6	15	A	No	<1	13	No	<1	Not Recorded*
NGW303/MW-102A	9/18/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW303/MW-102A	9/18/1995	Tetrachloroethene	1.6	0.081	B, Carc	Yes	20	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/18/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/18/1995	Vinyl Chloride	2	0.029	B, Carc	Yes	69	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/27/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/27/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/27/1996	1,1-Dichloroethane	1	1600	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/27/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/27/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/27/1996	Arsenic	8	0.058	B, Carc	Yes	138	370	No	<1	Not Recorded*
NGW303/MW-102A	3/27/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/27/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/27/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/27/1996	Chromium	106	50	A	Yes	2.1	320	No	<1	Not Recorded*
NGW303/MW-102A	3/27/1996	cis-1,2-Dichloroethene	17	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/27/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/27/1996	Lead	10	15	A	No	<1	13	No	<1	Not Recorded*
NGW303/MW-102A	3/27/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW303/MW-102A	3/27/1996	Tetrachloroethene	2.2	0.081	B, Carc	Yes	27	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/27/1996	Trichloroethene	1.2	0.49	B, Carc	Yes	2.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/27/1996	Vinyl Chloride	65	0.029	B, Carc	Yes	2241	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/10/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/10/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/10/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/10/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/10/1996	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	Not Recorded*
NGW303/MW-102A	9/10/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/10/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/10/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/10/1996	Chromium	32	50	A	No	<1	320	No	<1	Not Recorded*
NGW303/MW-102A	9/10/1996	cis-1,2-Dichloroethene	4.4	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/10/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/10/1996	Lead	3	15	A	No	<1	13	No	<1	Not Recorded*
NGW303/MW-102A	9/10/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW303/MW-102A	9/10/1996	Tetrachloroethene	1.5	0.081	B, Carc	Yes	19	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/10/1996	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW303/MW-102A	9/10/1996	Vinyl Chloride	35	0.029	B, Carc	Yes	1207	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/18/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/18/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/18/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/18/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/18/1997	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	Not Recorded*
NGW303/MW-102A	3/18/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/18/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/18/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/18/1997	Chromium	9	50	A	No	<1	320	No	<1	Not Recorded*
NGW303/MW-102A	3/18/1997	cis-1,2-Dichloroethene	11	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/18/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW303/MW-102A	3/18/1997	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW303/MW-102A	3/18/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW303/MW-102A	3/18/1997	Tetrachloroethene	52	0.081	B, Carc	Yes	642	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/18/1997	Trichloroethene	5.3	0.49	B, Carc	Yes	11	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/18/1997	Vinyl Chloride	6.4	0.029	B, Carc	Yes	221	NA	NA	NA	Not Recorded*
NGW303/MW-102A	3/18/1997	Vinyl Chloride	6.4	0.029	B, Carc	Yes	221	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/27/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/27/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/27/1997	1,1-Dichloroethane	1	1600	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/27/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/27/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/27/1997	Arsenic	6	0.058	B, Carc	Yes	103	370	No	<1	Not Recorded*
NGW303/MW-102A	8/27/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/27/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/27/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/27/1997	Chromium	18	50	A	No	<1	320	No	<1	Not Recorded*
NGW303/MW-102A	8/27/1997	cis-1,2-Dichloroethene	55	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/27/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/27/1997	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW303/MW-102A	8/27/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW303/MW-102A	8/27/1997	Tetrachloroethene	4.4	0.081	B, Carc	Yes	54	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/27/1997	Trichloroethene	3.2	0.49	B, Carc	Yes	6.5	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/27/1997	Vinyl Chloride	170	0.029	B, Carc	Yes	5862	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/28/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/28/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/28/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/28/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/28/1998	Arsenic	5	0.058	B, Carc	Yes	86	370	No	<1	Not Recorded*
NGW303/MW-102A	7/28/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/28/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/28/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/28/1998	Chromium	26	50	A	No	<1	320	No	<1	Not Recorded*
NGW303/MW-102A	7/28/1998	cis-1,2-Dichloroethene	14	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/28/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/28/1998	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW303/MW-102A	7/28/1998	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW303/MW-102A	7/28/1998	Tetrachloroethene	2.3	0.081	B, Carc	Yes	28	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/28/1998	Trichloroethene	2.5	0.49	B, Carc	Yes	5.1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/28/1998	Vinyl Chloride	23	0.029	B, Carc	Yes	793	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/18/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/18/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/18/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/18/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/18/1999	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	Not Recorded*
NGW303/MW-102A	1/18/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/18/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/18/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW303/MW-102A	1/18/1999	Chromium	8	50	A	No	<1	320	No	<1	Not Recorded*
NGW303/MW-102A	1/18/1999	cis-1,2-Dichloroethene	9.7	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/18/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/18/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW303/MW-102A	1/18/1999	Tetrachloroethene	7.6	0.081	B, Carc	Yes	94	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/18/1999	Trichloroethene	13	0.49	B, Carc	Yes	27	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/18/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW303/MW-102A	1/18/1999	Vinyl Chloride	2.6	0.029	B, Carc	Yes	90	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1999	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	Not Recorded*
NGW303/MW-102A	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1999	Chromium	27	50	A	No	<1	320	No	<1	Not Recorded*
NGW303/MW-102A	7/19/1999	cis-1,2-Dichloroethene	8.4	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1999	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW303/MW-102A	7/19/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW303/MW-102A	7/19/1999	Tetrachloroethene	1.7	0.081	B, Carc	Yes	21	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1999	Trichloroethene	1.3	0.49	B, Carc	Yes	2.7	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1999	Vinyl Chloride	6.6 E	0.029	B, Carc	Yes	228	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/19/1999	Vinyl Chloride	8.8	0.029	B, Carc	Yes	303	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	Not Recorded*
NGW303/MW-102A	2/21/2000	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	Not Recorded*
NGW303/MW-102A	2/21/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	cis-1,2-Dichloroethene	17	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	cis-1,2-Dichloroethene	17	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW303/MW-102A	2/21/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW303/MW-102A	2/21/2000	Tetrachloroethene	2.1	0.081	B, Carc	Yes	26	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Tetrachloroethene	2.1	0.081	B, Carc	Yes	26	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Vinyl Chloride	4.9	0.029	B, Carc	Yes	169	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Vinyl Chloride	4.9	0.029	B, Carc	Yes	169	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Vinyl Chloride	5.2	0.029	B, Carc	Yes	179	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/21/2000	Vinyl Chloride	5.4	0.029	B, Carc	Yes	186	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/24/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/24/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/24/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/24/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/24/2000	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	Not Recorded*
NGW303/MW-102A	7/24/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/24/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/24/2000	Carbon Disulfide	5.5	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/24/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/24/2000	Chromium	23	50	A	No	<1	320	No	<1	Not Recorded*
NGW303/MW-102A	7/24/2000	cis-1,2-Dichloroethene	4.5	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/24/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/24/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW303/MW-102A	7/24/2000	Tetrachloroethene	2.1	0.081	B, Carc	Yes	26	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/24/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/24/2000	Vinyl Chloride	6.9 E	0.029	B, Carc	Yes	238	NA	NA	NA	Not Recorded*
NGW303/MW-102A	7/24/2000	Vinyl Chloride	24	0.029	B, Carc	Yes	828	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2001	1,1-Dichloroethane	1.2	1600	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2001	Acetone	9.3	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2001	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	Not Recorded*
NGW303/MW-102A	2/18/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2001	Carbon Disulfide	8	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2001	Chromium	30	50	A	No	<1	320	No	<1	Not Recorded*
NGW303/MW-102A	2/18/2001	cis-1,2-Dichloroethene	0.6 J	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW303/MW-102A	2/18/2001	Methylene Chloride	6.3	5	A	Yes	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2001	Tetrachloroethene	1.4	0.081	B, Carc	Yes	17	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2001	Vinyl Chloride	1	0.029	B, Carc	Yes	34	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
NGW303/MW-102A	8/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/20/2001	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	Not Recorded*
NGW303/MW-102A	8/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/20/2001	Chromium	32	50	A	No	<1	320	No	<1	Not Recorded*
NGW303/MW-102A	8/20/2001	cis-1,2-Dichloroethene	1	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/20/2001	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW303/MW-102A	8/20/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW303/MW-102A	8/20/2001	Tetrachloroethene	1.8	0.081	B, Carc	Yes	22	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/20/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/20/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/20/2001	Vinyl Chloride	1.2	0.029	B, Carc	Yes	41	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2002	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	Not Recorded*
NGW303/MW-102A	2/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2002	Chromium	11	50	A	No	<1	320	No	<1	Not Recorded*
NGW303/MW-102A	2/18/2002	cis-1,2-Dichloroethene	3.2	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW303/MW-102A	2/18/2002	Tetrachloroethene	6.2	0.081	B, Carc	Yes	77	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2002	Trichloroethene	3.3	0.49	B, Carc	Yes	6.7	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW303/MW-102A	2/18/2002	Vinyl Chloride	0.99	0.029	B, Carc	Yes	34	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/18/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/18/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW303/MW-102A	8/18/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/18/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/18/2002	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	Not Recorded*
NGW303/MW-102A	8/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/18/2002	Chromium	13	50	A	No	<1	320	No	<1	Not Recorded*
NGW303/MW-102A	8/18/2002	cis-1,2-Dichloroethene	5.4	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/18/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/18/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW303/MW-102A	8/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW303/MW-102A	8/18/2002	Tetrachloroethene	1.9	0.081	B, Carc	Yes	23	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/18/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW303/MW-102A	8/18/2002	Vinyl Chloride	1.7	0.029	B, Carc	Yes	59	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/9/1992	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	2,4,6-Trichlorophenol	5 U	4	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	3,3'-Dichlorobenzidine	5 U	0.19	B, Carc	RLE	26	NA	NA	NA	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Antimony	50 U	6.4	B, NC	RLE	7.8	370	No	<1	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	SECOR 11/21/95*
NGW304/MW-102B	3/9/1992	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Benzo(a)anthracene	1 U	NA	NA	NA	NA	0.63	RLE	1.6	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Benzo(a)pyrene	1 U	0.012	B, Carc	RLE	83	0.27	RLE	3.7	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Benzo(b)fluoranthene	1 U	NA	NA	NA	NA	0.56	RLE	1.8	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Benzo(g,h,i)perylene	1 U	NA	NA	NA	NA	0.029	RLE	34	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Benzo(k)fluoranthene	1 U	NA	NA	NA	NA	0.57	RLE	1.8	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	bis(2-chloroethyl)ether	1 U	0.04	B, Carc	RLE	25	NA	NA	NA	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	bis(2-Ethylhexyl)phthalate	18	6.3	B, Carc	Yes	2.9	0.47	Yes	38	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Cadmium	3	5	A	No	<1	3.4	No	<1	SECOR 11/21/95*
NGW304/MW-102B	3/9/1992	Cadmium	3	5	A	No	<1	3.4	No	<1	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Carbon Disulfide	0.7 M	800	B, NC	No	<1	NA	NA	NA	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Chloroform	1 J	7.2	B, Carc	No	<1	NA	NA	NA	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Chromium	101	50	A	Yes	2.0	320	No	<1	SECOR 11/21/95*
NGW304/MW-102B	3/9/1992	Chromium	101	50	A	Yes	2.0	320	No	<1	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Copper	46	590	B, NC	No	<1	120	No	<1	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Dibenz(a,h)anthracene	1 U	NA	NA	NA	NA	0.013	RLE	77	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Di-n-butylphthalate	0.8 J	NA	NA	NA	NA	1200	No	<1	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Hexachlorobenzene	1 U	0.055	B, Carc	RLE	18	0.029	RLE	34	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Hexachlorobutadiene	2 U	0.56	B, Carc	RLE	3.6	6.2	No	<1	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Indeno(1,2,3-cd)pyrene	1 U	NA	NA	NA	NA	0.033	RLE	30	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Lead	13	15	A	No	<1	13	No	1.0	SECOR 11/21/95*
NGW304/MW-102B	3/9/1992	Lead	13	15	A	No	<1	13	No	1.0	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW304/MW-102B	3/9/1992	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Nickel	130	NA	NA	NA	NA	NA	NA	NA	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Pentachlorophenol	5 U	0.73	B, Carc	RLE	6.8	10	No	<1	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Silver	3 U	80	B, NC	No	<1	1.5	RLE	2.0	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Vinyl Chloride	6.6	0.029	B, Carc	Yes	228	NA	NA	NA	SECOR 12/14/92*
NGW304/MW-102B	3/9/1992	Zinc	96	4800	B, NC	No	<1	76	Yes	1.3	SECOR 12/14/92*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW304/MW-102B	3/16/1992	Benzo(a)pyrene	0.1 U	0.012	B, Carc	RLE	8.3	0.27	No	<1	SECOR 12/14/92*
NGW304/MW-102B	3/16/1992	Benzo(g,h,i)perylene	0.1 U	NA	NA	NA	NA	0.029	RLE	3.4	SECOR 12/14/92*
NGW304/MW-102B	3/16/1992	Dibenz(a,h)anthracene	0.1 U	NA	NA	NA	NA	0.013	RLE	7.7	SECOR 12/14/92*
NGW304/MW-102B	3/16/1992	Indeno(1,2,3-cd)pyrene	0.1 U	NA	NA	NA	NA	0.033	RLE	3.0	SECOR 12/14/92*
NGW304/MW-102B	10/6/1992	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW304/MW-102B	10/6/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
<b>NGW304/MW-102B</b>	<b>10/6/1992</b>	<b>Cadmium</b>	<b>5</b>	<b>5</b>	<b>A</b>	<b>No</b>	<b>1.0</b>	<b>3.4</b>	<b>Yes</b>	<b>1.5</b>	<b>SECOR 11/21/95*</b>
NGW304/MW-102B	10/6/1992	Chromium	50	50	A	No	1.0	320	No	<1	SECOR 11/21/95*
NGW304/MW-102B	10/6/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	10/6/1992	Lead	9	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW304/MW-102B	10/6/1992	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW304/MW-102B	10/6/1992	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	10/6/1992	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	10/6/1992	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	7/22/1993	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 11/21/95*
NGW304/MW-102B	7/22/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	7/22/1993	Chromium	37	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW304/MW-102B	7/22/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	7/22/1993	Lead	5	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW304/MW-102B	7/22/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW304/MW-102B	7/22/1993	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	7/22/1993	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	7/22/1993	Vinyl Chloride	0.22	0.029	B, Carc	Yes	8	NA	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	10/27/1993	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	SECOR 11/21/95*
NGW304/MW-102B	10/27/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
<b>NGW304/MW-102B</b>	<b>10/27/1993</b>	<b>Cadmium</b>	<b>4</b>	<b>5</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>3.4</b>	<b>Yes</b>	<b>1.2</b>	<b>SECOR 11/21/95*</b>
NGW304/MW-102B	10/27/1993	Chromium	28	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW304/MW-102B	10/27/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	10/27/1993	Lead	4	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW304/MW-102B	10/27/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW304/MW-102B	10/27/1993	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	10/27/1993	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	10/27/1993	Vinyl Chloride	0.29	0.029	B, Carc	Yes	10	NA	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	1/24/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW304/MW-102B	1/24/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW304/MW-102B	1/24/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	1/24/1994	Chromium	16	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW304/MW-102B	1/24/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	1/24/1994	Lead	3	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW304/MW-102B	1/24/1994	Lead	3	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW304/MW-102B	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW304/MW-102B	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW304/MW-102B	1/24/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	1/24/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	1/24/1994	Vinyl Chloride	0.24	0.029	B, Carc	Yes	8	NA	NA	NA	SECOR 11/21/95*
NGW304/MW-102B	4/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	4/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW304/MW-102B	4/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	4/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	4/19/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW304/MW-102B	4/19/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW304/MW-102B	4/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	4/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	4/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	4/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	4/19/1994	Lead	1	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW304/MW-102B	4/19/1994	Lead	1	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW304/MW-102B	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW304/MW-102B	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW304/MW-102B	4/19/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	4/19/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	4/19/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW304/MW-102B	4/19/1994	Vinyl Chloride	0.44	0.029	B, Carc	Yes	15	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW304/MW-102B	7/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW304/MW-102B	7/19/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1994	Vinyl Chloride	0.089	0.029	B, Carc	Yes	3.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	10/20/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	10/20/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	10/20/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	10/20/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	10/20/1994	Acetone	5 M	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	10/20/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
NGW304/MW-102B	10/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	10/20/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	10/20/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	10/20/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	10/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW304/MW-102B	10/20/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	10/20/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	10/20/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW304/MW-102B	10/20/1994	Vinyl Chloride	0.34	0.029	B, Carc	Yes	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/23/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/23/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/23/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/23/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/23/1995	Acetone	5.8	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/23/1995	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 11/21/95*
NGW304/MW-102B	1/23/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/23/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/23/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/23/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/23/1995	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW304/MW-102B	1/23/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW304/MW-102B	1/23/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/23/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/23/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/23/1995	Vinyl Chloride	0.074	0.029	B, Carc	Yes	2.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/19/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/19/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/19/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/19/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/19/1995	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW304/MW-102B	9/19/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/19/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/19/1995	Cadmium	4 U	5	A	No	<1	3.4	RLE	1.2	Not Recorded*
NGW304/MW-102B	9/19/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/19/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/19/1995	Lead	4	15	A	No	<1	13	No	<1	Not Recorded*
NGW304/MW-102B	9/19/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW304/MW-102B	9/19/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/19/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/19/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/19/1995	Vinyl Chloride	0.1	0.029	B, Carc	Yes	3.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/27/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/27/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/27/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/27/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/27/1996	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW304/MW-102B	3/27/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW304/MW-102B	3/27/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/27/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/27/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/27/1996	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW304/MW-102B	3/27/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW304/MW-102B	3/27/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/27/1996	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/27/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/10/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/10/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/10/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/10/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/10/1996	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW304/MW-102B	9/10/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/10/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/10/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/10/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/10/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW304/MW-102B	9/10/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/10/1996	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/10/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW304/MW-102B	9/10/1996	Vinyl Chloride	0.1	0.029	B, Carc	Yes	3.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/18/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/18/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/18/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/18/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/18/1997	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW304/MW-102B	3/18/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/18/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/18/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/18/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/18/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW304/MW-102B	3/18/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/18/1997	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/18/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW304/MW-102B	3/18/1997	Vinyl Chloride	0.03	0.029	B, Carc	No	1.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/27/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/27/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/27/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/27/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/27/1997	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW304/MW-102B	8/27/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/27/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/27/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/27/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/27/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW304/MW-102B	8/27/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW304/MW-102B	8/27/1997	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/27/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/27/1997	Vinyl Chloride	0.02	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/28/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/28/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/28/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/28/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/28/1998	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW304/MW-102B	7/28/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/28/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/28/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/28/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/28/1998	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW304/MW-102B	7/28/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/28/1998	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/28/1998	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/28/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/18/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/18/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/18/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/18/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/18/1999	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW304/MW-102B	1/18/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/18/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/18/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/18/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/18/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW304/MW-102B	1/18/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/18/1999	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/18/1999	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	1/18/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1999	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW304/MW-102B	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW304/MW-102B	7/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1999	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1999	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/19/1999	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/21/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/21/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW304/MW-102B	2/21/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/21/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/21/2000	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW304/MW-102B	2/21/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/21/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/21/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/21/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/21/2000	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW304/MW-102B	2/21/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW304/MW-102B	2/21/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/21/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/21/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/21/2000	Vinyl Chloride	0.025	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/24/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/24/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/24/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/24/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/24/2000	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW304/MW-102B	7/24/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/24/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/24/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/24/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/24/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW304/MW-102B	7/24/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/24/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/24/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	7/24/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2001	Acetone	5	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2001	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW304/MW-102B	2/18/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW304/MW-102B	2/18/2001	Methylene Chloride	6.5	5	A	Yes	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW304/MW-102B	8/20/2001	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW304/MW-102B	8/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/20/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW304/MW-102B	8/20/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/20/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/20/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/20/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW304/MW-102B	2/18/2002	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW304/MW-102B	2/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW304/MW-102B	2/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW304/MW-102B	2/18/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW304/MW-102B	2/18/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/18/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/18/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW304/MW-102B	8/18/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/18/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/18/2002	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW304/MW-102B	8/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/18/2002	Chromium	9	50	A	No	<1	320	No	<1	Not Recorded*
NGW304/MW-102B	8/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/18/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/18/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW304/MW-102B	8/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW304/MW-102B	8/18/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/18/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW304/MW-102B	8/18/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/9/1992	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SECOR 12/14/92*
NGW305/MW-103A	3/9/1992	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW305/MW-103A	3/9/1992	1,1-Dichloroethene	0.9 M	400	B, NC	No	<1	NA	NA	NA	SECOR 12/14/92*
NGW305/MW-103A	3/9/1992	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	SECOR 12/14/92*
NGW305/MW-103A	3/9/1992	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	SECOR 12/14/92*
NGW305/MW-103A	3/9/1992	Acetone	6 M	800	B, NC	No	<1	NA	NA	NA	SECOR 12/14/92*
NGW305/MW-103A	3/9/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW305/MW-103A	3/9/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 12/14/92*
NGW305/MW-103A	3/9/1992	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	SECOR 12/14/92*
NGW305/MW-103A	3/9/1992	Chloroform	2.4	7.2	B, Carc	No	<1	NA	NA	NA	SECOR 12/14/92*
NGW305/MW-103A	3/9/1992	cis-1,2-Dichloroethene	28	80	B, NC	No	<1	NA	NA	NA	SECOR 12/14/92*
NGW305/MW-103A	3/9/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 12/14/92*
NGW305/MW-103A	3/9/1992	Tetrachloroethene	19	0.081	B, Carc	Yes	235	NA	NA	NA	SECOR 12/14/92*
NGW305/MW-103A	3/9/1992	Trichloroethene	7.4	0.49	B, Carc	Yes	15	NA	NA	NA	SECOR 12/14/92*
NGW305/MW-103A	3/9/1992	Vinyl Chloride	46	0.029	B, Carc	Yes	1586	NA	NA	NA	SECOR 12/14/92*
NGW305/MW-103A	10/6/1992	1,1-Dichloroethene	0.9 M	400	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	10/6/1992	Arsenic	8	0.058	B, Carc	Yes	138	370	No	<1	SECOR 11/21/95*
NGW305/MW-103A	10/6/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
<b>NGW305/MW-103A</b>	<b>10/6/1992</b>	<b>Cadmium</b>	<b>10</b>	<b>5</b>	<b>A</b>	<b>Yes</b>	<b>2.0</b>	<b>3.4</b>	<b>Yes</b>	<b>2.9</b>	<b>SECOR 11/21/95*</b>
NGW305/MW-103A	10/6/1992	Chromium	204	50	A	Yes	4.1	320	No	<1	SECOR 11/21/95*
NGW305/MW-103A	10/6/1992	cis-1,2-Dichloroethene	7.8	80	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	10/6/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
<b>NGW305/MW-103A</b>	<b>10/6/1992</b>	<b>Lead</b>	<b>50</b>	<b>15</b>	<b>A</b>	<b>Yes</b>	<b>3.3</b>	<b>13</b>	<b>Yes</b>	<b>3.8</b>	<b>SECOR 11/21/95*</b>
<b>NGW305/MW-103A</b>	<b>10/6/1992</b>	<b>Mercury</b>	<b>5</b>	<b>2</b>	<b>A</b>	<b>Yes</b>	<b>2.5</b>	<b>0.0074</b>	<b>Yes</b>	<b>676</b>	<b>SECOR 11/21/95*</b>
NGW305/MW-103A	10/6/1992	Tetrachloroethene	38	0.081	B, Carc	Yes	469	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	10/6/1992	Trichloroethene	8.6	0.49	B, Carc	Yes	18	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	10/6/1992	Vinyl Chloride	3.7	0.029	B, Carc	Yes	128	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	7/22/1993	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	SECOR 11/21/95*
NGW305/MW-103A	7/22/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
<b>NGW305/MW-103A</b>	<b>7/22/1993</b>	<b>Cadmium</b>	<b>5</b>	<b>5</b>	<b>A</b>	<b>No</b>	<b>1.0</b>	<b>3.4</b>	<b>Yes</b>	<b>1.5</b>	<b>SECOR 11/21/95*</b>
NGW305/MW-103A	7/22/1993	Chromium	20	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW305/MW-103A	7/22/1993	cis-1,2-Dichloroethene	7.2	80	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	7/22/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	7/22/1993	Lead	4	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW305/MW-103A	7/22/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW305/MW-103A	7/22/1993	Tetrachloroethene	43	0.081	B, Carc	Yes	531	NA	NA	NA	SECOR 11/21/95*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW305/MW-103A	7/22/1993	Trichloroethene	13	0.49	B, Carc	Yes	27	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	7/22/1993	Vinyl Chloride	4.1	0.029	B, Carc	Yes	141	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	10/27/1993	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	SECOR 11/21/95*
NGW305/MW-103A	10/27/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	10/27/1993	Cadmium	3	5	A	No	<1	3.4	No	<1	SECOR 11/21/95*
NGW305/MW-103A	10/27/1993	Chromium	37	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW305/MW-103A	10/27/1993	cis-1,2-Dichloroethene	25	80	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	10/27/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	10/27/1993	Lead	5	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW305/MW-103A	10/27/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW305/MW-103A	10/27/1993	Tetrachloroethene	35	0.081	B, Carc	Yes	432	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	10/27/1993	Trichloroethene	13	0.49	B, Carc	Yes	27	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	10/27/1993	Vinyl Chloride	7.9	0.029	B, Carc	Yes	272	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Arsenic	5	0.058	B, Carc	Yes	86	370	No	<1	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Arsenic	8	0.058	B, Carc	Yes	138	370	No	<1	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Cadmium	5	5	A	No	1.0	3.4	Yes	1.5	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Chromium	60	50	A	Yes	1.2	320	No	<1	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Chromium	13	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	cis-1,2-Dichloroethene	1.1	80	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Lead	3	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Lead	14	15	A	No	<1	13	Yes	1.1	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Mercury	0.1	2	A	No	<1	0.0074	Yes	14	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Tetrachloroethene	3.7	0.081	B, Carc	Yes	46	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Trichloroethene	2	0.49	B, Carc	Yes	4.1	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	1/24/1994	Vinyl Chloride	4.5	0.029	B, Carc	Yes	155	NA	NA	NA	SECOR 11/21/95*
NGW305/MW-103A	4/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	4/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	4/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	4/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	4/19/1994	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	SECOR 11/21/95*
NGW305/MW-103A	4/19/1994	Arsenic	5	0.058	B, Carc	Yes	86	370	No	<1	SECOR 11/21/95*
NGW305/MW-103A	4/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	4/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	4/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	4/19/1994	Chromium	13	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW305/MW-103A	4/19/1994	Chromium	23	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW305/MW-103A	4/19/1994	cis-1,2-Dichloroethene	3.7	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	4/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	4/19/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW305/MW-103A	4/19/1994	Lead	3	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW305/MW-103A	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW305/MW-103A	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW305/MW-103A	4/19/1994	Tetrachloroethene	12	0.081	B, Carc	Yes	148	NA	NA	NA	Not Recorded*
NGW305/MW-103A	4/19/1994	Trichloroethene	4.9	0.49	B, Carc	Yes	10	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW305/MW-103A	4/19/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW305/MW-103A	4/19/1994	Vinyl Chloride	2.1	0.029	B, Carc	Yes	72	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1994	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	SECOR 11/21/95*
NGW305/MW-103A	7/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1994	Chromium	16	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW305/MW-103A	7/19/1994	cis-1,2-Dichloroethene	17	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1994	Lead	3	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW305/MW-103A	7/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW305/MW-103A	7/19/1994	Tetrachloroethene	26	0.081	B, Carc	Yes	321	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1994	Trichloroethene	8	0.49	B, Carc	Yes	16	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1994	Vinyl Chloride	3.4	0.029	B, Carc	Yes	117	NA	NA	NA	Not Recorded*
NGW305/MW-103A	10/20/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	10/20/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	10/20/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	10/20/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	10/20/1994	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	SECOR 11/21/95*
NGW305/MW-103A	10/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	10/20/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	10/20/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	10/20/1994	Chromium	17	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW305/MW-103A	10/20/1994	cis-1,2-Dichloroethene	12	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	10/20/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	10/20/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW305/MW-103A	10/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW305/MW-103A	10/20/1994	Tetrachloroethene	11	0.081	B, Carc	Yes	136	NA	NA	NA	Not Recorded*
NGW305/MW-103A	10/20/1994	Trichloroethene	14	0.49	B, Carc	Yes	29	NA	NA	NA	Not Recorded*
NGW305/MW-103A	10/20/1994	Vinyl Chloride	5.4	0.029	B, Carc	Yes	186	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/23/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/23/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/23/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/23/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/23/1995	Acetone	5.9	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/23/1995	Arsenic	5	0.058	B, Carc	Yes	86	370	No	<1	Not Recorded*
NGW305/MW-103A	1/23/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/23/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/23/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/23/1995	Chromium	25	50	A	No	<1	320	No	<1	Not Recorded*
NGW305/MW-103A	1/23/1995	cis-1,2-Dichloroethene	9.6	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/23/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/23/1995	Lead	3	15	A	No	<1	13	No	<1	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW305/MW-103A	1/23/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW305/MW-103A	1/23/1995	Tetrachloroethene	17	0.081	B, Carc	Yes	210	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/23/1995	Trichloroethene	7.6	0.49	B, Carc	Yes	16	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/23/1995	Vinyl Chloride	5.7	0.029	B, Carc	Yes	197	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/23/1995	Vinyl Chloride	6.6	0.029	B, Carc	Yes	228	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/18/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/18/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/18/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/18/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/18/1995	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	Not Recorded*
NGW305/MW-103A	9/18/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/18/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/18/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/18/1995	Chromium	20	50	A	No	<1	320	No	<1	Not Recorded*
NGW305/MW-103A	9/18/1995	cis-1,2-Dichloroethene	2.1	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/18/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/18/1995	Lead	6	15	A	No	<1	13	No	<1	Not Recorded*
NGW305/MW-103A	9/18/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW305/MW-103A	9/18/1995	Tetrachloroethene	2.2	0.081	B, Carc	Yes	27	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/18/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/18/1995	Vinyl Chloride	26	0.029	B, Carc	Yes	897	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/27/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/27/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/27/1996	1,1-Dichloroethene	4.8	400	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/27/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/27/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/27/1996	Arsenic	6	0.058	B, Carc	Yes	103	370	No	<1	Not Recorded*
NGW305/MW-103A	3/27/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/27/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/27/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/27/1996	Chromium	64	50	A	Yes	1.3	320	No	<1	Not Recorded*
NGW305/MW-103A	3/27/1996	cis-1,2-Dichloroethene	73	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/27/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/27/1996	Lead	7	15	A	No	<1	13	No	<1	Not Recorded*
<b>NGW305/MW-103A</b>	<b>3/27/1996</b>	<b>Mercury</b>	<b>0.1</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.0074</b>	<b>Yes</b>	<b>14</b>	<b>Not Recorded*</b>
NGW305/MW-103A	3/27/1996	Tetrachloroethene	1.6	0.081	B, Carc	Yes	20	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/27/1996	trans-1,2-Dichloroethene	1.6	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/27/1996	Trichloroethene	17	0.49	B, Carc	Yes	35	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/27/1996	Vinyl Chloride	130	0.029	B, Carc	Yes	4483	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/10/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/10/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/10/1996	1,1-Dichloroethene	3.1	400	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/10/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/10/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/10/1996	Arsenic	6	0.058	B, Carc	Yes	103	370	No	<1	Not Recorded*
NGW305/MW-103A	9/10/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/10/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW305/MW-103A	9/10/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/10/1996	Chromium	54	50	A	Yes	1.1	320	No	<1	Not Recorded*
NGW305/MW-103A	9/10/1996	cis-1,2-Dichloroethene	54	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/10/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/10/1996	Lead	6	15	A	No	<1	13	No	<1	Not Recorded*
NGW305/MW-103A	9/10/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW305/MW-103A	9/10/1996	Tetrachloroethene	2.3	0.081	B, Carc	Yes	28	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/10/1996	trans-1,2-Dichloroethene	1.1	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/10/1996	Trichloroethene	3.2	0.49	B, Carc	Yes	6.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	9/10/1996	Vinyl Chloride	150	0.029	B, Carc	Yes	5172	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/18/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/18/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/18/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/18/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/18/1997	Arsenic	8	0.058	B, Carc	Yes	138	370	No	<1	Not Recorded*
NGW305/MW-103A	3/18/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/18/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/18/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/18/1997	Chromium	54	50	A	Yes	1.1	320	No	<1	Not Recorded*
NGW305/MW-103A	3/18/1997	cis-1,2-Dichloroethene	75	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/18/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/18/1997	Lead	8	15	A	No	<1	13	No	<1	Not Recorded*
NGW305/MW-103A	3/18/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW305/MW-103A	3/18/1997	Tetrachloroethene	3.6	0.081	B, Carc	Yes	44	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/18/1997	Trichloroethene	3.1	0.49	B, Carc	Yes	6.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	3/18/1997	Vinyl Chloride	160	0.029	B, Carc	Yes	5517	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/27/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/27/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/27/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/27/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/27/1997	Arsenic	6	0.058	B, Carc	Yes	103	370	No	<1	Not Recorded*
NGW305/MW-103A	8/27/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/27/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/27/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/27/1997	Chromium	44	50	A	No	<1	320	No	<1	Not Recorded*
NGW305/MW-103A	8/27/1997	cis-1,2-Dichloroethene	4.2	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/27/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/27/1997	Lead	5	15	A	No	<1	13	No	<1	Not Recorded*
NGW305/MW-103A	8/27/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW305/MW-103A	8/27/1997	Tetrachloroethene	1.4	0.081	B, Carc	Yes	17	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/27/1997	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/27/1997	Vinyl Chloride	86	0.029	B, Carc	Yes	2966	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/28/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/28/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/28/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/28/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/28/1998	Arsenic	12	0.058	B, Carc	Yes	207	370	No	<1	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW305/MW-103A	7/28/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/28/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/28/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/28/1998	Chromium	75	50	A	Yes	1.5	320	No	<1	Not Recorded*
NGW305/MW-103A	7/28/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/28/1998	Lead	10	15	A	No	<1	13	No	<1	Not Recorded*
NGW305/MW-103A	7/28/1998	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW305/MW-103A	7/28/1998	Tetrachloroethene	3.7	0.081	B, Carc	Yes	46	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/28/1998	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/28/1998	Vinyl Chloride	7.4	0.029	B, Carc	Yes	255	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/18/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/18/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/18/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/18/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/18/1999	Arsenic	9	0.058	B, Carc	Yes	155	370	No	<1	Not Recorded*
NGW305/MW-103A	1/18/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/18/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/18/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/18/1999	Chromium	89	50	A	Yes	1.8	320	No	<1	Not Recorded*
NGW305/MW-103A	1/18/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/18/1999	Lead	11	15	A	No	<1	13	No	<1	Not Recorded*
NGW305/MW-103A	1/18/1999	Mercury	0.1	2	A	No	<1	0.0074	Yes	14	Not Recorded*
NGW305/MW-103A	1/18/1999	Tetrachloroethene	5.1	0.081	B, Carc	Yes	63	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/18/1999	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/18/1999	Vinyl Chloride	2.2	0.029	B, Carc	Yes	76	NA	NA	NA	Not Recorded*
NGW305/MW-103A	1/18/1999	Vinyl Chloride	4.6	0.029	B, Carc	Yes	159	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1999	Arsenic	6	0.058	B, Carc	Yes	103	370	No	<1	Not Recorded*
NGW305/MW-103A	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1999	Chromium	40	50	A	No	<1	320	No	<1	Not Recorded*
NGW305/MW-103A	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1999	Lead	4	15	A	No	<1	13	No	<1	Not Recorded*
NGW305/MW-103A	7/19/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW305/MW-103A	7/19/1999	Tetrachloroethene	0.6 J	0.081	B, Carc	Yes	7.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1999	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1999	Vinyl Chloride	0.035	0.029	B, Carc	Yes	1.2	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/19/1999	Vinyl Chloride	2.3	0.029	B, Carc	Yes	79	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/21/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/21/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/21/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/21/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/21/2000	Arsenic	9	0.058	B, Carc	Yes	155	370	No	<1	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW305/MW-103A	2/21/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/21/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/21/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/21/2000	Chromium	57	50	A	Yes	1.1	320	No	<1	Not Recorded*
NGW305/MW-103A	2/21/2000	cis-1,2-Dichloroethene	2.6	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/21/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/21/2000	Lead	5	15	A	No	<1	13	No	<1	Not Recorded*
NGW305/MW-103A	2/21/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW305/MW-103A	2/21/2000	Tetrachloroethene	4.1	0.081	B, Carc	Yes	51	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/21/2000	Trichloroethene	2.3	0.49	B, Carc	Yes	4.7	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/21/2000	Vinyl Chloride	9.7	0.029	B, Carc	Yes	334	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/21/2000	Vinyl Chloride	9.8	0.029	B, Carc	Yes	338	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Arsenic	7	0.058	B, Carc	Yes	121	370	No	<1	Not Recorded*
NGW305/MW-103A	7/24/2000	Arsenic	8	0.058	B, Carc	Yes	138	370	No	<1	Not Recorded*
NGW305/MW-103A	7/24/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Carbon Disulfide	1.3	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Chromium	37	50	A	No	<1	320	No	<1	Not Recorded*
NGW305/MW-103A	7/24/2000	Chromium	43	50	A	No	<1	320	No	<1	Not Recorded*
NGW305/MW-103A	7/24/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW305/MW-103A	7/24/2000	Lead	4	15	A	No	<1	13	No	<1	Not Recorded*
NGW305/MW-103A	7/24/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW305/MW-103A	7/24/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW305/MW-103A	7/24/2000	Tetrachloroethene	1.5	0.081	B, Carc	Yes	19	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Tetrachloroethene	2	0.081	B, Carc	Yes	25	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Vinyl Chloride	1.5	0.029	B, Carc	Yes	52	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Vinyl Chloride	1.5	0.029	B, Carc	Yes	52	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Vinyl Chloride	4.7	0.029	B, Carc	Yes	162	NA	NA	NA	Not Recorded*
NGW305/MW-103A	7/24/2000	Vinyl Chloride	4.8	0.029	B, Carc	Yes	166	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW305/MW-103A	2/18/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Acetone	5.9	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Acetone	6.2	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	Not Recorded*
NGW305/MW-103A	2/18/2001	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	Not Recorded*
NGW305/MW-103A	2/18/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Carbon Disulfide	6.8	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Chromium	25	50	A	No	<1	320	No	<1	Not Recorded*
NGW305/MW-103A	2/18/2001	Chromium	26	50	A	No	<1	320	No	<1	Not Recorded*
NGW305/MW-103A	2/18/2001	cis-1,2-Dichloroethene	0.8 J	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	cis-1,2-Dichloroethene	1 J	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW305/MW-103A	2/18/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW305/MW-103A	2/18/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW305/MW-103A	2/18/2001	Methylene Chloride	6.4	5	A	Yes	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Methylene Chloride	7	5	A	Yes	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Tetrachloroethene	3.2	0.081	B, Carc	Yes	40	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Tetrachloroethene	4	0.081	B, Carc	Yes	49	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Trichloroethene	0.8 J	0.49	B, Carc	Yes	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Trichloroethene	0.9 J	0.49	B, Carc	Yes	1.8	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Vinyl Chloride	4	0.029	B, Carc	Yes	138	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2001	Vinyl Chloride	4.3	0.029	B, Carc	Yes	148	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	Not Recorded*
NGW305/MW-103A	8/20/2001	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	Not Recorded*
NGW305/MW-103A	8/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW305/MW-103A	8/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	Chromium	16	50	A	No	<1	320	No	<1	Not Recorded*
NGW305/MW-103A	8/20/2001	Chromium	17	50	A	No	<1	320	No	<1	Not Recorded*
NGW305/MW-103A	8/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW305/MW-103A	8/20/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW305/MW-103A	8/20/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW305/MW-103A	8/20/2001	Tetrachloroethene	2.3	0.081	B, Carc	Yes	28	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	Tetrachloroethene	2.4	0.081	B, Carc	Yes	30	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	Vinyl Chloride	2.1	0.029	B, Carc	Yes	72	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/20/2001	Vinyl Chloride	2.1	0.029	B, Carc	Yes	72	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2002	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	Not Recorded*
NGW305/MW-103A	2/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2002	Chromium	20	50	A	No	<1	320	No	<1	Not Recorded*
NGW305/MW-103A	2/18/2002	cis-1,2-Dichloroethene	1.8	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2002	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW305/MW-103A	2/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW305/MW-103A	2/18/2002	Tetrachloroethene	4.9	0.081	B, Carc	Yes	60	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2002	Trichloroethene	1.2	0.49	B, Carc	Yes	2.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	2/18/2002	Vinyl Chloride	2.8	0.029	B, Carc	Yes	97	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW305/MW-103A	8/18/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW305/MW-103A	8/18/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW305/MW-103A	8/18/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	Not Recorded*
NGW305/MW-103A	8/18/2002	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	Not Recorded*
NGW305/MW-103A	8/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Chromium	21	50	A	No	<1	320	No	<1	Not Recorded*
NGW305/MW-103A	8/18/2002	Chromium	22	50	A	No	<1	320	No	<1	Not Recorded*
NGW305/MW-103A	8/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW305/MW-103A	8/18/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW305/MW-103A	8/18/2002	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW305/MW-103A	8/18/2002	Lead	3	15	A	No	<1	13	No	<1	Not Recorded*
NGW305/MW-103A	8/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW305/MW-103A	8/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW305/MW-103A	8/18/2002	Tetrachloroethene	3.1	0.081	B, Carc	Yes	38	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Tetrachloroethene	3.2	0.081	B, Carc	Yes	40	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Vinyl Chloride	2.7	0.029	B, Carc	Yes	93	NA	NA	NA	Not Recorded*
NGW305/MW-103A	8/18/2002	Vinyl Chloride	2.9	0.029	B, Carc	Yes	100	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/9/1992	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SECOR 12/14/92*
NGW306/MW-103B	3/9/1992	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW306/MW-103B	3/9/1992	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	SECOR 12/14/92*
NGW306/MW-103B	3/9/1992	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	SECOR 12/14/92*
NGW306/MW-103B	3/9/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW306/MW-103B	3/9/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 12/14/92*
NGW306/MW-103B	3/9/1992	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	SECOR 12/14/92*
NGW306/MW-103B	3/9/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 12/14/92*
NGW306/MW-103B	3/9/1992	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 12/14/92*
NGW306/MW-103B	3/9/1992	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 12/14/92*
NGW306/MW-103B	3/9/1992	Vinyl Chloride	1.1 J	0.029	B, Carc	Yes	38	NA	NA	NA	SECOR 12/14/92*
NGW306/MW-103B	10/6/1992	Arsenic	7	0.058	B, Carc	Yes	121	370	No	<1	SECOR 11/21/95*
NGW306/MW-103B	10/6/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	10/6/1992	<b>Cadmium</b>	<b>49</b>	<b>5</b>	<b>A</b>	<b>Yes</b>	<b>9.8</b>	<b>3.4</b>	<b>Yes</b>	<b>14</b>	<b>SECOR 11/21/95*</b>
NGW306/MW-103B	10/6/1992	Chromium	94	50	A	Yes	1.9	320	No	<1	SECOR 11/21/95*
NGW306/MW-103B	10/6/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	10/6/1992	<b>Lead</b>	<b>22</b>	<b>15</b>	<b>A</b>	<b>Yes</b>	<b>1.5</b>	<b>13</b>	<b>Yes</b>	<b>1.7</b>	<b>SECOR 11/21/95*</b>
NGW306/MW-103B	10/6/1992	<b>Mercury</b>	<b>0.2</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.0074</b>	<b>Yes</b>	<b>27</b>	<b>SECOR 11/21/95*</b>
NGW306/MW-103B	10/6/1992	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	10/6/1992	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW306/MW-103B	10/6/1992	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	7/22/1993	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	SECOR 11/21/95*
NGW306/MW-103B	7/22/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	7/22/1993	Cadmium	3	5	A	No	<1	3.4	No	<1	SECOR 11/21/95*
NGW306/MW-103B	7/22/1993	Chromium	10	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW306/MW-103B	7/22/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	7/22/1993	Lead	4	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW306/MW-103B	7/22/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW306/MW-103B	7/22/1993	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	7/22/1993	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	7/22/1993	Vinyl Chloride	0.76	0.029	B, Carc	Yes	26	NA	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	10/27/1993	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 11/21/95*
NGW306/MW-103B	10/27/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	10/27/1993	Cadmium	3	5	A	No	<1	3.4	No	<1	SECOR 11/21/95*
NGW306/MW-103B	10/27/1993	Chromium	24	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW306/MW-103B	10/27/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	10/27/1993	Lead	6	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW306/MW-103B	10/27/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW306/MW-103B	10/27/1993	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	10/27/1993	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	10/27/1993	Vinyl Chloride	1.3	0.029	B, Carc	Yes	45	NA	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	1/24/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW306/MW-103B	1/24/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW306/MW-103B	1/24/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	1/24/1994	Chromium	17	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW306/MW-103B	1/24/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	1/24/1994	Lead	4	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW306/MW-103B	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW306/MW-103B	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW306/MW-103B	1/24/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	1/24/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	1/24/1994	Vinyl Chloride	1.2	0.029	B, Carc	Yes	41	NA	NA	NA	SECOR 11/21/95*
NGW306/MW-103B	4/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW306/MW-103B	4/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	4/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	4/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW306/MW-103B	4/19/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW306/MW-103B	4/19/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW306/MW-103B	4/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	4/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW306/MW-103B	4/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	4/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW306/MW-103B	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW306/MW-103B	4/19/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW306/MW-103B	4/19/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW306/MW-103B	4/19/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW306/MW-103B	4/19/1994	Vinyl Chloride	0.27	0.029	B, Carc	Yes	9.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW306/MW-103B	7/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1994	Lead	1	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW306/MW-103B	7/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW306/MW-103B	7/19/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1994	Vinyl Chloride	0.08	0.029	B, Carc	Yes	2.8	NA	NA	NA	Not Recorded*
NGW306/MW-103B	10/20/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW306/MW-103B	10/20/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	10/20/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	10/20/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW306/MW-103B	10/20/1994	Acetone	13	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	10/20/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW306/MW-103B	10/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	10/20/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW306/MW-103B	10/20/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	10/20/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	10/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW306/MW-103B	10/20/1994	Tetrachloroethene	2.6	0.081	B, Carc	Yes	32	NA	NA	NA	Not Recorded*
NGW306/MW-103B	10/20/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW306/MW-103B	10/20/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW306/MW-103B	10/20/1994	Vinyl Chloride	0.95	0.029	B, Carc	Yes	33	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/23/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/23/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/23/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/23/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/23/1995	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	SECOR 11/21/95*
NGW306/MW-103B	1/23/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/23/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/23/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/23/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/23/1995	Lead	1	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW306/MW-103B	1/23/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW306/MW-103B	1/23/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/23/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/23/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/23/1995	Vinyl Chloride	0.13	0.029	B, Carc	Yes	4.5	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/18/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW306/MW-103B	9/18/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/18/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/18/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/18/1995	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW306/MW-103B	9/18/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/18/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/18/1995	Carbon Disulfide	6.5	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/18/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/18/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/18/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW306/MW-103B	9/18/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/18/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/18/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/18/1995	Vinyl Chloride	0.26	0.029	B, Carc	Yes	9.0	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/27/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/27/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/27/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/27/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/27/1996	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW306/MW-103B	3/27/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/27/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/27/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/27/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/27/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW306/MW-103B	3/27/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/27/1996	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/27/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/27/1996	Vinyl Chloride	0.34	0.029	B, Carc	Yes	12	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/10/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/10/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/10/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/10/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/10/1996	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW306/MW-103B	9/10/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/10/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/10/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/10/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/10/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW306/MW-103B	9/10/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/10/1996	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/10/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW306/MW-103B	9/10/1996	Vinyl Chloride	0.29	0.029	B, Carc	Yes	10	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/18/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/18/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/18/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/18/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/18/1997	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*

**Table E-2**  
**North Boeig Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW306/MW-103B	3/18/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/18/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/18/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/18/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/18/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW306/MW-103B	3/18/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/18/1997	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/18/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW306/MW-103B	3/18/1997	Vinyl Chloride	0.18	0.029	B, Carc	Yes	6.2	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/27/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/27/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/27/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/27/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/27/1997	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW306/MW-103B	8/27/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/27/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/27/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/27/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/27/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW306/MW-103B	8/27/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/27/1997	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/27/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/27/1997	Vinyl Chloride	0.074	0.029	B, Carc	Yes	2.6	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/28/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/28/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/28/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/28/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/28/1998	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW306/MW-103B	7/28/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/28/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/28/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/28/1998	Chromium	8	50	A	No	<1	320	No	<1	Not Recorded*
NGW306/MW-103B	7/28/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/28/1998	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW306/MW-103B	7/28/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/28/1998	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/28/1998	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/28/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/18/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/18/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/18/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/18/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/18/1999	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW306/MW-103B	1/18/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/18/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/18/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/18/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW306/MW-103B	1/18/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW306/MW-103B	1/18/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/18/1999	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/18/1999	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	1/18/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1999	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW306/MW-103B	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1999	Chromium	6	50	A	No	<1	320	No	<1	Not Recorded*
NGW306/MW-103B	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1999	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW306/MW-103B	7/19/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW306/MW-103B	7/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1999	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1999	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/19/1999	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/21/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/21/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/21/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/21/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/21/2000	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	Not Recorded*
NGW306/MW-103B	2/21/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/21/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/21/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/21/2000	Chromium	6	50	A	No	<1	320	No	<1	Not Recorded*
NGW306/MW-103B	2/21/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/21/2000	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW306/MW-103B	2/21/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW306/MW-103B	2/21/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/21/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/21/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/21/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/24/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/24/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/24/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/24/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/24/2000	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW306/MW-103B	7/24/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/24/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/24/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/24/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/24/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW306/MW-103B	7/24/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/24/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/24/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	7/24/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2001	Acetone	4.9 J	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2001	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW306/MW-103B	2/18/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW306/MW-103B	2/18/2001	Methylene Chloride	6.4	5	A	Yes	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/20/2001	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW306/MW-103B	8/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/20/2001	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW306/MW-103B	8/20/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW306/MW-103B	8/20/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/20/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/20/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/20/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2002	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW306/MW-103B	2/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW306/MW-103B	2/18/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW306/MW-103B	2/18/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	2/18/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/18/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/18/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW306/MW-103B	8/18/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/18/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/18/2002	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW306/MW-103B	8/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/18/2002	Chromium	8	50	A	No	<1	320	No	<1	Not Recorded*
NGW306/MW-103B	8/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/18/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/18/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW306/MW-103B	8/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW306/MW-103B	8/18/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/18/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW306/MW-103B	8/18/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/9/1992	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SECOR 12/14/92*
NGW307/MW-104A	3/9/1992	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW307/MW-104A	3/9/1992	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	SECOR 12/14/92*
NGW307/MW-104A	3/9/1992	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	SECOR 12/14/92*
NGW307/MW-104A	3/9/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW307/MW-104A	3/9/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 12/14/92*
NGW307/MW-104A	3/9/1992	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	SECOR 12/14/92*
NGW307/MW-104A	3/9/1992	Chloroform	1.8	7.2	B, Carc	No	<1	NA	NA	NA	SECOR 12/14/92*
NGW307/MW-104A	3/9/1992	cis-1,2-Dichloroethene	1.7	80	B, NC	No	<1	NA	NA	NA	SECOR 12/14/92*
NGW307/MW-104A	3/9/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 12/14/92*
NGW307/MW-104A	3/9/1992	Tetrachloroethene	42	0.081	B, Carc	Yes	519	NA	NA	NA	SECOR 12/14/92*
NGW307/MW-104A	3/9/1992	Trichloroethene	3.3	0.49	B, Carc	Yes	6.7	NA	NA	NA	SECOR 12/14/92*
NGW307/MW-104A	3/9/1992	Vinyl Chloride	4.7	0.029	B, Carc	Yes	162	NA	NA	NA	SECOR 12/14/92*
NGW307/MW-104A	10/6/1992	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	SECOR 11/21/95*
NGW307/MW-104A	10/6/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
<b>NGW307/MW-104A</b>	<b>10/6/1992</b>	<b>Cadmium</b>	<b>7</b>	<b>5</b>	<b>A</b>	<b>Yes</b>	<b>1.4</b>	<b>3.4</b>	<b>Yes</b>	<b>2.1</b>	<b>SECOR 11/21/95*</b>
NGW307/MW-104A	10/6/1992	Chromium	177	50	A	Yes	3.5	320	No	<1	SECOR 11/21/95*
NGW307/MW-104A	10/6/1992	cis-1,2-Dichloroethene	3.4	80	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	10/6/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
<b>NGW307/MW-104A</b>	<b>10/6/1992</b>	<b>Lead</b>	<b>52</b>	<b>15</b>	<b>A</b>	<b>Yes</b>	<b>3.5</b>	<b>13</b>	<b>Yes</b>	<b>4.0</b>	<b>SECOR 11/21/95*</b>
<b>NGW307/MW-104A</b>	<b>10/6/1992</b>	<b>Mercury</b>	<b>0.4</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.0074</b>	<b>Yes</b>	<b>54</b>	<b>SECOR 11/21/95*</b>
NGW307/MW-104A	10/6/1992	Tetrachloroethene	62	0.081	B, Carc	Yes	765	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	10/6/1992	Trichloroethene	7.3	0.49	B, Carc	Yes	15	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	10/6/1992	Vinyl Chloride	2.9 M	0.029	B, Carc	Yes	100	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	7/22/1993	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	SECOR 11/21/95*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW307/MW-104A	7/22/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
<b>NGW307/MW-104A</b>	<b>7/22/1993</b>	<b>Cadmium</b>	<b>11</b>	<b>5</b>	<b>A</b>	<b>Yes</b>	<b>2.2</b>	<b>3.4</b>	<b>Yes</b>	<b>3.2</b>	<b>SECOR 11/21/95*</b>
NGW307/MW-104A	7/22/1993	Chromium	23	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW307/MW-104A	7/22/1993	cis-1,2-Dichloroethene	8.3	80	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	7/22/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	7/22/1993	Lead	3	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW307/MW-104A	7/22/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW307/MW-104A	7/22/1993	Tetrachloroethene	37	0.081	B, Carc	Yes	457	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	7/22/1993	Trichloroethene	11	0.49	B, Carc	Yes	22	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	7/22/1993	Vinyl Chloride	2.8	0.029	B, Carc	Yes	97	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	10/27/1993	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 11/21/95*
NGW307/MW-104A	10/27/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
<b>NGW307/MW-104A</b>	<b>10/27/1993</b>	<b>Cadmium</b>	<b>4</b>	<b>5</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>3.4</b>	<b>Yes</b>	<b>1.2</b>	<b>SECOR 11/21/95*</b>
NGW307/MW-104A	10/27/1993	Chromium	20	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW307/MW-104A	10/27/1993	cis-1,2-Dichloroethene	7.2	80	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	10/27/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	10/27/1993	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW307/MW-104A	10/27/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW307/MW-104A	10/27/1993	Tetrachloroethene	8.3	0.081	B, Carc	Yes	102	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	10/27/1993	Trichloroethene	3.2	0.49	B, Carc	Yes	6.5	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	10/27/1993	Vinyl Chloride	4.6	0.029	B, Carc	Yes	159	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	1/24/1994	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	SECOR 11/21/95*
NGW307/MW-104A	1/24/1994	Arsenic	7	0.058	B, Carc	Yes	121	370	No	<1	SECOR 11/21/95*
NGW307/MW-104A	1/24/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	1/24/1994	Chromium	12	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW307/MW-104A	1/24/1994	Chromium	47	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW307/MW-104A	1/24/1994	cis-1,2-Dichloroethene	2.3	80	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	1/24/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	1/24/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW307/MW-104A	1/24/1994	Lead	11	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW307/MW-104A	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW307/MW-104A	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW307/MW-104A	1/24/1994	Tetrachloroethene	12	0.081	B, Carc	Yes	148	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	1/24/1994	Trichloroethene	3.2	0.49	B, Carc	Yes	6.5	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	1/24/1994	Vinyl Chloride	2.9	0.029	B, Carc	Yes	100	NA	NA	NA	SECOR 11/21/95*
NGW307/MW-104A	4/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	4/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	4/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	4/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	4/19/1994	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	SECOR 11/21/95*
NGW307/MW-104A	4/19/1994	Arsenic	5	0.058	B, Carc	Yes	86	370	No	<1	SECOR 11/21/95*
NGW307/MW-104A	4/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	4/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	4/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	4/19/1994	Chromium	13	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW307/MW-104A	4/19/1994	Chromium	21	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW307/MW-104A	4/19/1994	cis-1,2-Dichloroethene	7.2	80	B, NC	No	<1	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW307/MW-104A	4/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	4/19/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW307/MW-104A	4/19/1994	Lead	3	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW307/MW-104A	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW307/MW-104A	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW307/MW-104A	4/19/1994	Tetrachloroethene	42	0.081	B, Carc	Yes	519	NA	NA	NA	Not Recorded*
NGW307/MW-104A	4/19/1994	Trichloroethene	11	0.49	B, Carc	Yes	22	NA	NA	NA	Not Recorded*
NGW307/MW-104A	4/19/1994	Vinyl Chloride	5	0.029	B, Carc	Yes	172	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1994	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	SECOR 11/21/95*
NGW307/MW-104A	7/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1994	Chromium	13	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW307/MW-104A	7/19/1994	cis-1,2-Dichloroethene	8.4	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW307/MW-104A	7/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW307/MW-104A	7/19/1994	Tetrachloroethene	29	0.081	B, Carc	Yes	358	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1994	Trichloroethene	9.9	0.49	B, Carc	Yes	20	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1994	Vinyl Chloride	2.8	0.029	B, Carc	Yes	97	NA	NA	NA	Not Recorded*
NGW307/MW-104A	10/20/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	10/20/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	10/20/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	10/20/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	10/20/1994	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	SECOR 11/21/95*
NGW307/MW-104A	10/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	10/20/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	10/20/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	10/20/1994	Chromium	15	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW307/MW-104A	10/20/1994	cis-1,2-Dichloroethene	24	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	10/20/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	10/20/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW307/MW-104A	10/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW307/MW-104A	10/20/1994	Tetrachloroethene	72	0.081	B, Carc	Yes	889	NA	NA	NA	Not Recorded*
NGW307/MW-104A	10/20/1994	Trichloroethene	28	0.49	B, Carc	Yes	57	NA	NA	NA	Not Recorded*
NGW307/MW-104A	10/20/1994	Vinyl Chloride	5.3	0.029	B, Carc	Yes	183	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/23/1995	1,1,2,2-Tetrachloroethane	2 U	0.22	B, Carc	RLE	9.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/23/1995	1,1,2-Trichloroethane	2 U	0.77	B, Carc	RLE	2.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/23/1995	1,1-Dichloroethene	2.2	400	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/23/1995	1,2-Dichloroethane	2 U	0.48	B, Carc	RLE	4.2	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/23/1995	1,2-Dichloropropane	2 U	0.64	B, Carc	RLE	3.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/23/1995	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	Not Recorded*
NGW307/MW-104A	1/23/1995	Benzene	2 U	0.8	B, Carc	RLE	2.5	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW307/MW-104A	1/23/1995	Bromodichloromethane	2 U	0.71	B, Carc	RLE	2.8	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/23/1995	Carbon Tetrachloride	2 U	0.34	B, Carc	RLE	5.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/23/1995	Chloromethane	4 U	3.4	B, Carc	RLE	1.2	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/23/1995	Chromium	12	50	A	No	<1	320	No	<1	Not Recorded*
NGW307/MW-104A	1/23/1995	cis-1,2-Dichloroethene	68	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/23/1995	Dibromochloromethane	2 U	0.52	B, Carc	RLE	3.8	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/23/1995	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW307/MW-104A	1/23/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW307/MW-104A	1/23/1995	Styrene	2 U	1.5	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/23/1995	Tetrachloroethene	140	0.081	B, Carc	Yes	1728	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/23/1995	Trichloroethene	88	0.49	B, Carc	Yes	180	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/23/1995	Vinyl Chloride	15	0.029	B, Carc	Yes	517	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/23/1995	Vinyl Chloride	19	0.029	B, Carc	Yes	655	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/19/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/19/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/19/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/19/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/19/1995	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	Not Recorded*
NGW307/MW-104A	9/19/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/19/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/19/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/19/1995	Chromium	24	50	A	No	<1	320	No	<1	Not Recorded*
NGW307/MW-104A	9/19/1995	cis-1,2-Dichloroethene	25	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/19/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/19/1995	Lead	3	15	A	No	<1	13	No	<1	Not Recorded*
NGW307/MW-104A	9/19/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW307/MW-104A	9/19/1995	Tetrachloroethene	5.4	0.081	B, Carc	Yes	67	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/19/1995	Trichloroethene	3.8	0.49	B, Carc	Yes	7.8	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/19/1995	Vinyl Chloride	47	0.029	B, Carc	Yes	1621	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/27/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/27/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/27/1996	1,1-Dichloroethene	3.5	400	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/27/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/27/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/27/1996	Arsenic	6	0.058	B, Carc	Yes	103	370	No	<1	Not Recorded*
NGW307/MW-104A	3/27/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/27/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/27/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/27/1996	Chromium	30	50	A	No	<1	320	No	<1	Not Recorded*
NGW307/MW-104A	3/27/1996	cis-1,2-Dichloroethene	220	80	B, NC	Yes	2.8	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/27/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/27/1996	Lead	4	15	A	No	<1	13	No	<1	Not Recorded*
NGW307/MW-104A	3/27/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW307/MW-104A	3/27/1996	Tetrachloroethene	64	0.081	B, Carc	Yes	790	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/27/1996	trans-1,2-Dichloroethene	1.2	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/27/1996	Trichloroethene	81	0.49	B, Carc	Yes	165	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/27/1996	Vinyl Chloride	76	0.029	B, Carc	Yes	2621	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW307/MW-104A	9/10/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/10/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/10/1996	1,1-Dichloroethene	6.4	400	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/10/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/10/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/10/1996	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	Not Recorded*
NGW307/MW-104A	9/10/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/10/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/10/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/10/1996	Chromium	45	50	A	No	<1	320	No	<1	Not Recorded*
NGW307/MW-104A	9/10/1996	cis-1,2-Dichloroethene	300	80	B, NC	Yes	3.8	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/10/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/10/1996	Lead	4	15	A	No	<1	13	No	<1	Not Recorded*
NGW307/MW-104A	9/10/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW307/MW-104A	9/10/1996	Tetrachloroethene	9.8	0.081	B, Carc	Yes	121	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/10/1996	trans-1,2-Dichloroethene	1.3	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/10/1996	Trichloroethene	34	0.49	B, Carc	Yes	69	NA	NA	NA	Not Recorded*
NGW307/MW-104A	9/10/1996	Vinyl Chloride	190	0.029	B, Carc	Yes	6552	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/18/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/18/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/18/1997	1,1-Dichloroethene	3	400	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/18/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/18/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/18/1997	Arsenic	5	0.058	B, Carc	Yes	86	370	No	<1	Not Recorded*
NGW307/MW-104A	3/18/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/18/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/18/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/18/1997	Chromium	14	50	A	No	<1	320	No	<1	Not Recorded*
NGW307/MW-104A	3/18/1997	cis-1,2-Dichloroethene	350	80	B, NC	Yes	4.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/18/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/18/1997	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW307/MW-104A	3/18/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW307/MW-104A	3/18/1997	Tetrachloroethene	200	0.081	B, Carc	Yes	2469	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/18/1997	trans-1,2-Dichloroethene	1.2	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/18/1997	Trichloroethene	120	0.49	B, Carc	Yes	245	NA	NA	NA	Not Recorded*
NGW307/MW-104A	3/18/1997	Vinyl Chloride	92	0.029	B, Carc	Yes	3172	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/27/1997	1,1,2,2-Tetrachloroethane	3 U	0.22	B, Carc	RLE	14	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/27/1997	1,1,2-Trichloroethane	3 U	0.77	B, Carc	RLE	3.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/27/1997	1,2-Dichloroethane	3 U	0.48	B, Carc	RLE	6.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/27/1997	1,2-Dichloropropane	3 U	0.64	B, Carc	RLE	4.7	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/27/1997	Arsenic	8	0.058	B, Carc	Yes	138	370	No	<1	Not Recorded*
NGW307/MW-104A	8/27/1997	Benzene	3 U	0.8	B, Carc	RLE	3.8	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/27/1997	Bromodichloromethane	3 U	0.71	B, Carc	RLE	4.2	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/27/1997	Carbon Tetrachloride	3 U	0.34	B, Carc	RLE	8.8	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/27/1997	Chloromethane	6 U	3.4	B, Carc	RLE	1.8	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/27/1997	Chromium	81	50	A	Yes	1.6	320	No	<1	Not Recorded*
NGW307/MW-104A	8/27/1997	cis-1,2-Dichloroethene	390	80	B, NC	Yes	4.9	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW307/MW-104A	8/27/1997	Dibromochloromethane	3 U	0.52	B, Carc	RLE	5.8	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/27/1997	Lead	9	15	A	No	<1	13	No	<1	Not Recorded*
NGW307/MW-104A	8/27/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW307/MW-104A	8/27/1997	Methylene Chloride	6 U	5	A	RLE	1.2	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/27/1997	Styrene	3 U	1.5	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/27/1997	Tetrachloroethene	14	0.081	B, Carc	Yes	173	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/27/1997	Trichloroethene	6.1	0.49	B, Carc	Yes	12	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/27/1997	Vinyl Chloride	270	0.029	B, Carc	Yes	9310	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/28/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/28/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/28/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/28/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/28/1998	Arsenic	7	0.058	B, Carc	Yes	121	370	No	<1	Not Recorded*
NGW307/MW-104A	7/28/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/28/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/28/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/28/1998	Chromium	49	50	A	No	<1	320	No	<1	Not Recorded*
NGW307/MW-104A	7/28/1998	cis-1,2-Dichloroethene	22	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/28/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/28/1998	Lead	5	15	A	No	<1	13	No	<1	Not Recorded*
NGW307/MW-104A	7/28/1998	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW307/MW-104A	7/28/1998	Tetrachloroethene	14	0.081	B, Carc	Yes	173	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/28/1998	Trichloroethene	3	0.49	B, Carc	Yes	6.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/28/1998	Vinyl Chloride	140	0.029	B, Carc	Yes	4828	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/18/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/18/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/18/1999	1,1-Dichloroethene	2.9	400	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/18/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/18/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/18/1999	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	Not Recorded*
NGW307/MW-104A	1/18/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/18/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/18/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/18/1999	Chromium	37	50	A	No	<1	320	No	<1	Not Recorded*
NGW307/MW-104A	1/18/1999	cis-1,2-Dichloroethene	210	80	B, NC	Yes	2.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/18/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/18/1999	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW307/MW-104A	1/18/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW307/MW-104A	1/18/1999	Tetrachloroethene	93	0.081	B, Carc	Yes	1148	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/18/1999	Trichloroethene	250	0.49	B, Carc	Yes	510	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/18/1999	Vinyl Chloride	13	0.029	B, Carc	Yes	448	NA	NA	NA	Not Recorded*
NGW307/MW-104A	1/18/1999	Vinyl Chloride	13	0.029	B, Carc	Yes	448	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1999	Arsenic	6	0.058	B, Carc	Yes	103	370	No	<1	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW307/MW-104A	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1999	Chromium	39	50	A	No	<1	320	No	<1	Not Recorded*
NGW307/MW-104A	7/19/1999	cis-1,2-Dichloroethene	77	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1999	Lead	4	15	A	No	<1	13	No	<1	Not Recorded*
<b>NGW307/MW-104A</b>	<b>7/19/1999</b>	<b>Mercury</b>	<b>0.1</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.0074</b>	<b>Yes</b>	<b>14</b>	<b>Not Recorded*</b>
NGW307/MW-104A	7/19/1999	Tetrachloroethene	5.6	0.081	B, Carc	Yes	69	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1999	Trichloroethene	2.5	0.49	B, Carc	Yes	5.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1999	Vinyl Chloride	25 E	0.029	B, Carc	Yes	862	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/19/1999	Vinyl Chloride	93	0.029	B, Carc	Yes	3207	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/21/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/21/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/21/2000	1,1-Dichloroethene	1	400	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/21/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/21/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/21/2000	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	Not Recorded*
NGW307/MW-104A	2/21/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/21/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/21/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/21/2000	Chromium	5	50	A	No	<1	320	No	<1	Not Recorded*
NGW307/MW-104A	2/21/2000	cis-1,2-Dichloroethene	150	80	B, NC	Yes	1.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/21/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/21/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW307/MW-104A	2/21/2000	Tetrachloroethene	140	0.081	B, Carc	Yes	1728	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/21/2000	Trichloroethene	140	0.49	B, Carc	Yes	286	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/21/2000	Vinyl Chloride	3.7	0.029	B, Carc	Yes	128	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/21/2000	Vinyl Chloride	5.4	0.029	B, Carc	Yes	186	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/24/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/24/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/24/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/24/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/24/2000	Arsenic	4	0.058	B, Carc	Yes	69	370	No	<1	Not Recorded*
NGW307/MW-104A	7/24/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/24/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/24/2000	Carbon Disulfide	1.2	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/24/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/24/2000	Chromium	15	50	A	No	<1	320	No	<1	Not Recorded*
NGW307/MW-104A	7/24/2000	cis-1,2-Dichloroethene	110	80	B, NC	Yes	1.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/24/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/24/2000	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW307/MW-104A	7/24/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW307/MW-104A	7/24/2000	Tetrachloroethene	5.3	0.081	B, Carc	Yes	65	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/24/2000	trans-1,2-Dichloroethene	2	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/24/2000	Trichloroethene	2	0.49	B, Carc	Yes	4.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/24/2000	Vinyl Chloride	23 E	0.029	B, Carc	Yes	793	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW307/MW-104A	7/24/2000	Vinyl Chloride	180	0.029	B, Carc	Yes	6207	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2001	Acetone	7.4	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2001	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	Not Recorded*
NGW307/MW-104A	2/18/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2001	Chromium	17	50	A	No	<1	320	No	<1	Not Recorded*
NGW307/MW-104A	2/18/2001	cis-1,2-Dichloroethene	10	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2001	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW307/MW-104A	2/18/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW307/MW-104A	2/18/2001	Methylene Chloride	6.2	5	A	Yes	1.2	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2001	Tetrachloroethene	8.3	0.081	B, Carc	Yes	102	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2001	Trichloroethene	1.3	0.49	B, Carc	Yes	2.7	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2001	Vinyl Chloride	15	0.029	B, Carc	Yes	517	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2001	Vinyl Chloride	22	0.029	B, Carc	Yes	759	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2001	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	Not Recorded*
NGW307/MW-104A	8/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2001	Chromium	25	50	A	No	<1	320	No	<1	Not Recorded*
NGW307/MW-104A	8/20/2001	cis-1,2-Dichloroethene	4.9	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2001	Lead	3	15	A	No	<1	13	No	<1	Not Recorded*
NGW307/MW-104A	8/20/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW307/MW-104A	8/20/2001	Tetrachloroethene	8	0.081	B, Carc	Yes	99	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2001	Trichloroethene	1.7	0.49	B, Carc	Yes	3.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2001	Vinyl Chloride	6.2	0.029	B, Carc	Yes	214	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2002	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	Not Recorded*
NGW307/MW-104A	2/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2002	Chromium	10	50	A	No	<1	320	No	<1	Not Recorded*
NGW307/MW-104A	2/18/2002	cis-1,2-Dichloroethene	20	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW307/MW-104A	2/18/2002	Lead	3	15	A	No	<1	13	No	<1	Not Recorded*
NGW307/MW-104A	2/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW307/MW-104A	2/18/2002	Tetrachloroethene	24	0.081	B, Carc	Yes	296	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2002	Trichloroethene	12	0.49	B, Carc	Yes	24	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/18/2002	Vinyl Chloride	95	0.029	B, Carc	Yes	3276	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW307/MW-104A	8/18/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2002	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW307/MW-104A	8/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2002	Chromium	14	50	A	No	<1	320	No	<1	Not Recorded*
NGW307/MW-104A	8/18/2002	cis-1,2-Dichloroethene	8.3	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW307/MW-104A	8/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW307/MW-104A	8/18/2002	Tetrachloroethene	8.1	0.081	B, Carc	Yes	100	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2002	Vinyl Chloride	31	0.029	B, Carc	Yes	1069	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/17/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/17/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/17/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/17/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW307/MW-104A	2/17/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/17/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/17/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/17/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/17/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/17/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/17/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/17/2003	cis-1,2-Dichloroethene	31	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/17/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/17/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/17/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW307/MW-104A	2/17/2003	Tetrachloroethene	15	0.081	B, Carc	Yes	185	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/17/2003	Trichloroethene	17	0.49	B, Carc	Yes	35	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/17/2003	Vinyl Chloride	9.1	0.029	B, Carc	Yes	314	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/10/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/10/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/10/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW307/MW-104A	7/10/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW307/MW-104A	7/10/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/10/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/10/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/10/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/10/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/10/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/10/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/10/2003	cis-1,2-Dichloroethene	6.5	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/10/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/10/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/10/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW307/MW-104A	7/10/2003	Tetrachloroethene	9.3	0.081	B, Carc	Yes	115	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/10/2003	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW307/MW-104A	7/10/2003	Vinyl Chloride	9.8	0.029	B, Carc	Yes	338	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/9/2004	cis-1,2-Dichloroethene	120	80	B, NC	Yes	1.5	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/9/2004	Tetrachloroethene	130	0.081	B, Carc	Yes	1605	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/9/2004	Trichloroethene	69	0.49	B, Carc	Yes	141	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/9/2004	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/6/2004	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/6/2004	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/6/2004	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/7/2005	cis-1,2-Dichloroethene	4.6	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/7/2005	Tetrachloroethene	9.5	0.081	B, Carc	Yes	117	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/7/2005	Trichloroethene	1.1	0.49	B, Carc	Yes	2.2	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/7/2005	Vinyl Chloride	3.6	0.029	B, Carc	Yes	124	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2005	cis-1,2-Dichloroethene	4.2	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2005	Tetrachloroethene	4.9	0.081	B, Carc	Yes	60	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2005	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/18/2005	Vinyl Chloride	2.8	0.029	B, Carc	Yes	97	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/20/2006	cis-1,2-Dichloroethene	66	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/20/2006	Tetrachloroethene	48	0.081	B, Carc	Yes	593	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/20/2006	Trichloroethene	46	0.49	B, Carc	Yes	94	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/20/2006	Vinyl Chloride	2	0.029	B, Carc	Yes	69	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/14/2006	cis-1,2-Dichloroethene	1.6	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/14/2006	Tetrachloroethene	4	0.081	B, Carc	Yes	49	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/14/2006	Trichloroethene	1	0.49	B, Carc	Yes	2.0	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/14/2006	Vinyl Chloride	3.2	0.029	B, Carc	Yes	110	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/20/2007	cis-1,2-Dichloroethene	4.8	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/20/2007	Tetrachloroethene	6.3	0.081	B, Carc	Yes	78	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/20/2007	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/20/2007	Vinyl Chloride	7.6	0.029	B, Carc	Yes	262	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2007	cis-1,2-Dichloroethene	1.4	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2007	Tetrachloroethene	6.2	0.081	B, Carc	Yes	77	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2007	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2007	Vinyl Chloride	1.5	0.029	B, Carc	Yes	52	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/19/2008	cis-1,2-Dichloroethene	5	80	B, NC	No	<1	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
NGW307/MW-104A	2/19/2008	Tetrachloroethene	8.2	0.081	B, Carc	Yes	101	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/19/2008	Trichloroethene	1	0.49	B, Carc	Yes	2.0	NA	NA	NA	Not Recorded*
NGW307/MW-104A	2/19/2008	Vinyl Chloride	3.7	0.029	B, Carc	Yes	128	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2008	cis-1,2-Dichloroethene	1.7	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2008	Tetrachloroethene	4.3	0.081	B, Carc	Yes	53	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2008	Trichloroethene	0.3	0.49	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW307/MW-104A	8/20/2008	Vinyl Chloride	3.2	0.029	B, Carc	Yes	110	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/9/1992	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SECOR 12/14/92*
NGW308/MW-105A	3/9/1992	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW308/MW-105A	3/9/1992	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	SECOR 12/14/92*
NGW308/MW-105A	3/9/1992	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	SECOR 12/14/92*
NGW308/MW-105A	3/9/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW308/MW-105A	3/9/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 12/14/92*
NGW308/MW-105A	3/9/1992	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	SECOR 12/14/92*
NGW308/MW-105A	3/9/1992	Chloroform	1.5	7.2	B, Carc	No	<1	NA	NA	NA	SECOR 12/14/92*
NGW308/MW-105A	3/9/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 12/14/92*
NGW308/MW-105A	3/9/1992	Tetrachloroethene	1.3	0.081	B, Carc	Yes	16	NA	NA	NA	SECOR 12/14/92*
NGW308/MW-105A	3/9/1992	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 12/14/92*
NGW308/MW-105A	3/9/1992	Vinyl Chloride	1 M	0.029	B, Carc	Yes	34	NA	NA	NA	SECOR 12/14/92*
NGW308/MW-105A	10/6/1992	Arsenic	6	0.058	B, Carc	Yes	103	370	No	<1	SECOR 11/21/95*
NGW308/MW-105A	10/6/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	10/6/1992	Chromium	130	50	A	Yes	2.6	320	No	<1	SECOR 11/21/95*
NGW308/MW-105A	10/6/1992	cis-1,2-Dichloroethene	1.6	80	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	10/6/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	10/6/1992	Lead	37	15	A	Yes	2.5	13	Yes	2.8	SECOR 11/21/95*
NGW308/MW-105A	10/6/1992	Mercury	0.3	2	A	No	<1	0.0074	Yes	41	SECOR 11/21/95*
NGW308/MW-105A	10/6/1992	Tetrachloroethene	5.4	0.081	B, Carc	Yes	67	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	10/6/1992	Trichloroethene	1.4	0.49	B, Carc	Yes	2.9	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	10/6/1992	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	7/22/1993	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	SECOR 11/21/95*
NGW308/MW-105A	7/22/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	7/22/1993	Cadmium	6	5	A	Yes	1.2	3.4	Yes	1.8	SECOR 11/21/95*
NGW308/MW-105A	7/22/1993	Chromium	16	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW308/MW-105A	7/22/1993	cis-1,2-Dichloroethene	3.7	80	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	7/22/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	7/22/1993	Lead	3	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW308/MW-105A	7/22/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW308/MW-105A	7/22/1993	Tetrachloroethene	3	0.081	B, Carc	Yes	37	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	7/22/1993	Trichloroethene	1.4	0.49	B, Carc	Yes	2.9	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	7/22/1993	Vinyl Chloride	1.1	0.029	B, Carc	Yes	38	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	10/27/1993	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 11/21/95*
NGW308/MW-105A	10/27/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	10/27/1993	Chromium	16	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW308/MW-105A	10/27/1993	cis-1,2-Dichloroethene	1.3	80	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	10/27/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	10/27/1993	Lead	3	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW308/MW-105A	10/27/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW308/MW-105A	10/27/1993	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	10/27/1993	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	10/27/1993	Vinyl Chloride	1.6	0.029	B, Carc	Yes	55	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	1/24/1994	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	SECOR 11/21/95*
NGW308/MW-105A	1/24/1994	Arsenic	8	0.058	B, Carc	Yes	138	370	No	<1	SECOR 11/21/95*
NGW308/MW-105A	1/24/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	1/24/1994	Chromium	65	50	A	Yes	1.3	320	No	<1	SECOR 11/21/95*
NGW308/MW-105A	1/24/1994	Chromium	7	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW308/MW-105A	1/24/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	1/24/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
<b>NGW308/MW-105A</b>	<b>1/24/1994</b>	<b>Lead</b>	<b>14</b>	<b>15</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>13</b>	<b>Yes</b>	<b>1.1</b>	<b>SECOR 11/21/95*</b>
NGW308/MW-105A	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
<b>NGW308/MW-105A</b>	<b>1/24/1994</b>	<b>Mercury</b>	<b>0.2</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.0074</b>	<b>Yes</b>	<b>27</b>	<b>SECOR 11/21/95*</b>
NGW308/MW-105A	1/24/1994	Tetrachloroethene	3.4	0.081	B, Carc	Yes	42	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	1/24/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	1/24/1994	Vinyl Chloride	1.2	0.029	B, Carc	Yes	41	NA	NA	NA	SECOR 11/21/95*
NGW308/MW-105A	4/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	4/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	4/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	4/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	4/19/1994	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 11/21/95*
NGW308/MW-105A	4/19/1994	Arsenic	8	0.058	B, Carc	Yes	138	370	No	<1	SECOR 11/21/95*
NGW308/MW-105A	4/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	4/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	4/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	4/19/1994	Chromium	6	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW308/MW-105A	4/19/1994	Chromium	37	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW308/MW-105A	4/19/1994	cis-1,2-Dichloroethene	1.4	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	4/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	4/19/1994	Lead	8	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW308/MW-105A	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW308/MW-105A	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW308/MW-105A	4/19/1994	Tetrachloroethene	9.3	0.081	B, Carc	Yes	115	NA	NA	NA	Not Recorded*
NGW308/MW-105A	4/19/1994	Trichloroethene	1.1	0.49	B, Carc	Yes	2.2	NA	NA	NA	Not Recorded*
NGW308/MW-105A	4/19/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW308/MW-105A	4/19/1994	Vinyl Chloride	0.78	0.029	B, Carc	Yes	27	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1994	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	SECOR 11/21/95*
NGW308/MW-105A	7/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1994	Chromium	9	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW308/MW-105A	7/19/1994	cis-1,2-Dichloroethene	7.9	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW308/MW-105A	7/19/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW308/MW-105A	7/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW308/MW-105A	7/19/1994	Tetrachloroethene	31	0.081	B, Carc	Yes	383	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1994	Trichloroethene	7.4	0.49	B, Carc	Yes	15	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1994	Vinyl Chloride	0.87	0.029	B, Carc	Yes	30	NA	NA	NA	Not Recorded*
NGW308/MW-105A	10/20/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	10/20/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	10/20/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	10/20/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	10/20/1994	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 11/21/95*
NGW308/MW-105A	10/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	10/20/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	10/20/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	10/20/1994	Chromium	7	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW308/MW-105A	10/20/1994	cis-1,2-Dichloroethene	1.7	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	10/20/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	10/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW308/MW-105A	10/20/1994	Tetrachloroethene	4	0.081	B, Carc	Yes	49	NA	NA	NA	Not Recorded*
NGW308/MW-105A	10/20/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW308/MW-105A	10/20/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW308/MW-105A	10/20/1994	Vinyl Chloride	0.66	0.029	B, Carc	Yes	23	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/23/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/23/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/23/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/23/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/23/1995	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	Not Recorded*
NGW308/MW-105A	1/23/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/23/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/23/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/23/1995	cis-1,2-Dichloroethene	98	80	B, NC	Yes	1.2	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/23/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/23/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW308/MW-105A	1/23/1995	Tetrachloroethene	380	0.081	B, Carc	Yes	4691	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/23/1995	Trichloroethene	120	0.49	B, Carc	Yes	245	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/23/1995	Vinyl Chloride	4.6	0.029	B, Carc	Yes	159	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/23/1995	Vinyl Chloride	5.3	0.029	B, Carc	Yes	183	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/19/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/19/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/19/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/19/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/19/1995	Arsenic	14	0.058	B, Carc	Yes	241	370	No	<1	Not Recorded*
NGW308/MW-105A	9/19/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/19/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/19/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/19/1995	cis-1,2-Dichloroethene	12	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/19/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
<b>NGW308/MW-105A</b>	<b>9/19/1995</b>	<b>Lead</b>	<b>68</b>	<b>15</b>	<b>A</b>	<b>Yes</b>	<b>4.5</b>	<b>13</b>	<b>Yes</b>	<b>5.2</b>	<b>Not Recorded*</b>
NGW308/MW-105A	9/19/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW308/MW-105A	9/19/1995	Tetrachloroethene	1.9	0.081	B, Carc	Yes	23	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/19/1995	Trichloroethene	5.8	0.49	B, Carc	Yes	12	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/19/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/19/1995	Vinyl Chloride	1.2	0.029	B, Carc	Yes	41	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/27/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/27/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/27/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/27/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/27/1996	Arsenic	15	0.058	B, Carc	Yes	259	370	No	<1	Not Recorded*
NGW308/MW-105A	3/27/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/27/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/27/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/27/1996	Chromium	186	50	A	Yes	3.7	320	No	<1	Not Recorded*
NGW308/MW-105A	3/27/1996	cis-1,2-Dichloroethene	160	80	B, NC	Yes	2.0	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/27/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
<b>NGW308/MW-105A</b>	<b>3/27/1996</b>	<b>Lead</b>	<b>31</b>	<b>15</b>	<b>A</b>	<b>Yes</b>	<b>2.1</b>	<b>13</b>	<b>Yes</b>	<b>2.4</b>	<b>Not Recorded*</b>
<b>NGW308/MW-105A</b>	<b>3/27/1996</b>	<b>Mercury</b>	<b>0.2</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.0074</b>	<b>Yes</b>	<b>27</b>	<b>Not Recorded*</b>
NGW308/MW-105A	3/27/1996	Tetrachloroethene	350	0.081	B, Carc	Yes	4321	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/27/1996	trans-1,2-Dichloroethene	1.2	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/27/1996	Trichloroethene	180	0.49	B, Carc	Yes	367	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/27/1996	Vinyl Chloride	31	0.029	B, Carc	Yes	1069	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/10/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/10/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/10/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/10/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/10/1996	Arsenic	12	0.058	B, Carc	Yes	207	370	No	<1	Not Recorded*
NGW308/MW-105A	9/10/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/10/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/10/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/10/1996	Chromium	144	50	A	Yes	2.9	320	No	<1	Not Recorded*
NGW308/MW-105A	9/10/1996	cis-1,2-Dichloroethene	290	80	B, NC	Yes	3.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/10/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/10/1996	Lead	13	15	A	No	<1	13	No	1.0	Not Recorded*
NGW308/MW-105A	9/10/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW308/MW-105A	9/10/1996	Tetrachloroethene	280	0.081	B, Carc	Yes	3457	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/10/1996	trans-1,2-Dichloroethene	1.4	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/10/1996	Trichloroethene	170	0.49	B, Carc	Yes	347	NA	NA	NA	Not Recorded*
NGW308/MW-105A	9/10/1996	Vinyl Chloride	41	0.029	B, Carc	Yes	1414	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/18/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/18/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/18/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/18/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/18/1997	Arsenic	20	0.058	B, Carc	Yes	345	370	No	<1	Not Recorded*
NGW308/MW-105A	3/18/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/18/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW308/MW-105A	3/18/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/18/1997	Chromium	311	50	A	Yes	6.2	320	No	<1	Not Recorded*
NGW308/MW-105A	3/18/1997	cis-1,2-Dichloroethene	210	80	B, NC	Yes	2.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/18/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
<b>NGW308/MW-105A</b>	<b>3/18/1997</b>	<b>Lead</b>	<b>57</b>	<b>15</b>	<b>A</b>	<b>Yes</b>	<b>3.8</b>	<b>13</b>	<b>Yes</b>	<b>4.4</b>	<b>Not Recorded*</b>
<b>NGW308/MW-105A</b>	<b>3/18/1997</b>	<b>Mercury</b>	<b>0.5</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.0074</b>	<b>Yes</b>	<b>68</b>	<b>Not Recorded*</b>
NGW308/MW-105A	3/18/1997	Tetrachloroethene	410	0.081	B, Carc	Yes	5062	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/18/1997	Trichloroethene	140	0.49	B, Carc	Yes	286	NA	NA	NA	Not Recorded*
NGW308/MW-105A	3/18/1997	Vinyl Chloride	33	0.029	B, Carc	Yes	1138	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/27/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/27/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/27/1997	1,1-Dichloroethene	1.1	400	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/27/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/27/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/27/1997	Arsenic	26	0.058	B, Carc	Yes	448	370	No	<1	Not Recorded*
NGW308/MW-105A	8/27/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/27/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/27/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/27/1997	Chromium	155	50	A	Yes	3.1	320	No	<1	Not Recorded*
NGW308/MW-105A	8/27/1997	cis-1,2-Dichloroethene	200	80	B, NC	Yes	2.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/27/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/27/1997	Lead	11	15	A	No	<1	13	No	<1	Not Recorded*
NGW308/MW-105A	8/27/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW308/MW-105A	8/27/1997	Tetrachloroethene	190	0.081	B, Carc	Yes	2346	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/27/1997	Trichloroethene	120	0.49	B, Carc	Yes	245	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/27/1997	Vinyl Chloride	24	0.029	B, Carc	Yes	828	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/28/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/28/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/28/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/28/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/28/1998	Arsenic	21	0.058	B, Carc	Yes	362	370	No	<1	Not Recorded*
NGW308/MW-105A	7/28/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/28/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/28/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/28/1998	Chromium	156	50	A	Yes	3.1	320	No	<1	Not Recorded*
NGW308/MW-105A	7/28/1998	cis-1,2-Dichloroethene	68	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/28/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
<b>NGW308/MW-105A</b>	<b>7/28/1998</b>	<b>Lead</b>	<b>20</b>	<b>15</b>	<b>A</b>	<b>Yes</b>	<b>1.3</b>	<b>13</b>	<b>Yes</b>	<b>1.5</b>	<b>Not Recorded*</b>
<b>NGW308/MW-105A</b>	<b>7/28/1998</b>	<b>Mercury</b>	<b>0.4</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.0074</b>	<b>Yes</b>	<b>54</b>	<b>Not Recorded*</b>
NGW308/MW-105A	7/28/1998	Tetrachloroethene	120	0.081	B, Carc	Yes	1481	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/28/1998	trans-1,2-Dichloroethene	1.4	160	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/28/1998	Trichloroethene	31	0.49	B, Carc	Yes	63	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/28/1998	Vinyl Chloride	4.1	0.029	B, Carc	Yes	141	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/18/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/18/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/18/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/18/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW308/MW-105A	1/18/1999	Arsenic	24	0.058	B, Carc	Yes	414	370	No	<1	Not Recorded*
NGW308/MW-105A	1/18/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/18/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/18/1999	Cadmium	3	5	A	No	<1	3.4	No	<1	Not Recorded*
NGW308/MW-105A	1/18/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
<b>NGW308/MW-105A</b>	<b>1/18/1999</b>	<b>Chromium</b>	<b>593</b>	<b>50</b>	<b>A</b>	<b>Yes</b>	<b>12</b>	<b>320</b>	<b>Yes</b>	<b>1.9</b>	<b>Not Recorded*</b>
NGW308/MW-105A	1/18/1999	cis-1,2-Dichloroethene	83	80	B, NC	No	1.0	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/18/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
<b>NGW308/MW-105A</b>	<b>1/18/1999</b>	<b>Lead</b>	<b>74</b>	<b>15</b>	<b>A</b>	<b>Yes</b>	<b>4.9</b>	<b>13</b>	<b>Yes</b>	<b>5.7</b>	<b>Not Recorded*</b>
<b>NGW308/MW-105A</b>	<b>1/18/1999</b>	<b>Mercury</b>	<b>0.7</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.0074</b>	<b>Yes</b>	<b>95</b>	<b>Not Recorded*</b>
NGW308/MW-105A	1/18/1999	Tetrachloroethene	130	0.081	B, Carc	Yes	1605	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/18/1999	Trichloroethene	42	0.49	B, Carc	Yes	86	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/18/1999	Vinyl Chloride	2.6	0.029	B, Carc	Yes	90	NA	NA	NA	Not Recorded*
NGW308/MW-105A	1/18/1999	Vinyl Chloride	4.6	0.029	B, Carc	Yes	159	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	Not Recorded*
NGW308/MW-105A	7/19/1999	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	Not Recorded*
NGW308/MW-105A	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	cis-1,2-Dichloroethene	16	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	cis-1,2-Dichloroethene	18	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW308/MW-105A	7/19/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW308/MW-105A	7/19/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW308/MW-105A	7/19/1999	Tetrachloroethene	90	0.081	B, Carc	Yes	1111	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Tetrachloroethene	92	0.081	B, Carc	Yes	1136	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Trichloroethene	12	0.49	B, Carc	Yes	24	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Trichloroethene	13	0.49	B, Carc	Yes	27	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Vinyl Chloride	0.37	0.029	B, Carc	Yes	13	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/19/1999	Vinyl Chloride	0.37	0.029	B, Carc	Yes	13	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/21/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/21/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW308/MW-105A	2/21/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/21/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/21/2000	Arsenic	3	0.058	B, Carc	Yes	52	370	No	<1	Not Recorded*
NGW308/MW-105A	2/21/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/21/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/21/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/21/2000	cis-1,2-Dichloroethene	34	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/21/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/21/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW308/MW-105A	2/21/2000	Tetrachloroethene	79	0.081	B, Carc	Yes	975	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/21/2000	Trichloroethene	14	0.49	B, Carc	Yes	29	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/21/2000	Vinyl Chloride	2.6	0.029	B, Carc	Yes	90	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/21/2000	Vinyl Chloride	4	0.029	B, Carc	Yes	138	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/24/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/24/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/24/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/24/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/24/2000	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW308/MW-105A	7/24/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/24/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/24/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/24/2000	cis-1,2-Dichloroethene	6.2	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/24/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/24/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW308/MW-105A	7/24/2000	Tetrachloroethene	56	0.081	B, Carc	Yes	691	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/24/2000	Trichloroethene	5	0.49	B, Carc	Yes	10	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/24/2000	Vinyl Chloride	0.38	0.029	B, Carc	Yes	13	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/24/2000	Vinyl Chloride	1.3	0.029	B, Carc	Yes	45	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2001	Acetone	6.4	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2001	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW308/MW-105A	2/18/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2001	cis-1,2-Dichloroethene	15	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW308/MW-105A	2/18/2001	Methylene Chloride	6	5	A	Yes	1.2	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2001	Tetrachloroethene	32	0.081	B, Carc	Yes	395	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2001	Trichloroethene	4.2	0.49	B, Carc	Yes	8.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2001	Vinyl Chloride	1.2	0.029	B, Carc	Yes	41	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW308/MW-105A	8/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2001	Arsenic	8	0.058	B, Carc	Yes	138	370	No	<1	Not Recorded*
NGW308/MW-105A	8/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2001	Chromium	5	50	A	No	<1	320	No	<1	Not Recorded*
NGW308/MW-105A	8/20/2001	cis-1,2-Dichloroethene	33	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2001	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW308/MW-105A	8/20/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW308/MW-105A	8/20/2001	Tetrachloroethene	61	0.081	B, Carc	Yes	753	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2001	Trichloroethene	19	0.49	B, Carc	Yes	39	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2001	Vinyl Chloride	1.7	0.029	B, Carc	Yes	59	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2002	Arsenic	6	0.058	B, Carc	Yes	103	370	No	<1	Not Recorded*
NGW308/MW-105A	2/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2002	Chromium	7	50	A	No	<1	320	No	<1	Not Recorded*
NGW308/MW-105A	2/18/2002	cis-1,2-Dichloroethene	16	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2002	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW308/MW-105A	2/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW308/MW-105A	2/18/2002	Tetrachloroethene	94	0.081	B, Carc	Yes	1160	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2002	Trichloroethene	14	0.49	B, Carc	Yes	29	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/18/2002	Vinyl Chloride	0.46	0.029	B, Carc	Yes	16	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW308/MW-105A	8/18/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2002	Arsenic	9	0.058	B, Carc	Yes	155	370	No	<1	Not Recorded*
NGW308/MW-105A	8/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2002	Chromium	15	50	A	No	<1	320	No	<1	Not Recorded*
NGW308/MW-105A	8/18/2002	cis-1,2-Dichloroethene	8.8	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW308/MW-105A	8/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW308/MW-105A	8/18/2002	Tetrachloroethene	18	0.081	B, Carc	Yes	222	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2002	Trichloroethene	3.7	0.49	B, Carc	Yes	7.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2002	Vinyl Chloride	3	0.029	B, Carc	Yes	103	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/17/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/17/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/17/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/17/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW308/MW-105A	2/17/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/17/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/17/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/17/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/17/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/17/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/17/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/17/2003	cis-1,2-Dichloroethene	6.9	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/17/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/17/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/17/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW308/MW-105A	2/17/2003	Tetrachloroethene	54	0.081	B, Carc	Yes	667	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/17/2003	Trichloroethene	4.4	0.49	B, Carc	Yes	9.0	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/17/2003	Vinyl Chloride	1	0.029	B, Carc	Yes	34	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/10/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/10/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/10/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/10/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW308/MW-105A	7/10/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/10/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/10/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/10/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/10/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/10/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/10/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/10/2003	cis-1,2-Dichloroethene	13	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/10/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/10/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/10/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW308/MW-105A	7/10/2003	Tetrachloroethene	19	0.081	B, Carc	Yes	235	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/10/2003	Trichloroethene	3.3	0.49	B, Carc	Yes	6.7	NA	NA	NA	Not Recorded*
NGW308/MW-105A	7/10/2003	Vinyl Chloride	6.9	0.029	B, Carc	Yes	238	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/9/2004	cis-1,2-Dichloroethene	4.8	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/9/2004	Tetrachloroethene	43	0.081	B, Carc	Yes	531	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/9/2004	Trichloroethene	4.8	0.49	B, Carc	Yes	9.8	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/9/2004	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/6/2004	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/6/2004	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/6/2004	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW308/MW-105A	2/7/2005	cis-1,2-Dichloroethene	7.1	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/7/2005	Tetrachloroethene	28	0.081	B, Carc	Yes	346	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/7/2005	Trichloroethene	2.9	0.49	B, Carc	Yes	5.9	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/7/2005	Vinyl Chloride	1.3	0.029	B, Carc	Yes	45	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2005	cis-1,2-Dichloroethene	38	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2005	Tetrachloroethene	35	0.081	B, Carc	Yes	432	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2005	Trichloroethene	12	0.49	B, Carc	Yes	24	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/18/2005	Vinyl Chloride	2.5	0.029	B, Carc	Yes	86	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/20/2006	cis-1,2-Dichloroethene	3	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/20/2006	Tetrachloroethene	24	0.081	B, Carc	Yes	296	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/20/2006	Trichloroethene	2.5	0.49	B, Carc	Yes	5.1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/20/2006	Vinyl Chloride	1.7	0.029	B, Carc	Yes	59	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/14/2006	cis-1,2-Dichloroethene	8	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/14/2006	Tetrachloroethene	19	0.081	B, Carc	Yes	235	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/14/2006	Trichloroethene	3.1	0.49	B, Carc	Yes	6.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/14/2006	Vinyl Chloride	1.5	0.029	B, Carc	Yes	52	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/20/2007	Tetrachloroethene	5.9	0.081	B, Carc	Yes	73	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/20/2007	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/20/2007	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2007	cis-1,2-Dichloroethene	8.8	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2007	Tetrachloroethene	13	0.081	B, Carc	Yes	160	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2007	Trichloroethene	3.3	0.49	B, Carc	Yes	6.7	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2007	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/19/2008	cis-1,2-Dichloroethene	3.1	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/19/2008	Tetrachloroethene	21	0.081	B, Carc	Yes	259	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/19/2008	Trichloroethene	2.6	0.49	B, Carc	Yes	5.3	NA	NA	NA	Not Recorded*
NGW308/MW-105A	2/19/2008	Vinyl Chloride	0.7	0.029	B, Carc	Yes	24	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2008	cis-1,2-Dichloroethene	24	80	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2008	Tetrachloroethene	32	0.081	B, Carc	Yes	395	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2008	Trichloroethene	8.4	0.49	B, Carc	Yes	17	NA	NA	NA	Not Recorded*
NGW308/MW-105A	8/20/2008	Vinyl Chloride	4.1	0.029	B, Carc	Yes	141	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/5/1990	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Hart Crowser 2/15/91
NGW309/MW-106A	3/5/1990	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
NGW309/MW-106A	3/5/1990	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Hart Crowser 2/15/91
NGW309/MW-106A	3/5/1990	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 2/15/91
NGW309/MW-106A	3/5/1990	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
NGW309/MW-106A	3/5/1990	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Hart Crowser 2/15/91
NGW309/MW-106A	3/5/1990	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 2/15/91
NGW309/MW-106A	3/5/1990	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 2/15/91
NGW309/MW-106A	3/5/1990	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Hart Crowser 2/15/91
NGW309/MW-106A	3/5/1990	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 2/15/91
NGW309/MW-106A	3/5/1990	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Hart Crowser 2/15/91
NGW309/MW-106A	3/5/1990	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Hart Crowser 2/15/91
NGW309/MW-106A	3/9/1992	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SECOR 12/14/92*
NGW309/MW-106A	3/9/1992	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW309/MW-106A	3/9/1992	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	SECOR 12/14/92*
NGW309/MW-106A	3/9/1992	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	SECOR 12/14/92*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW309/MW-106A	3/9/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW309/MW-106A	3/9/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 12/14/92*
NGW309/MW-106A	3/9/1992	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	SECOR 12/14/92*
NGW309/MW-106A	3/9/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 12/14/92*
NGW309/MW-106A	3/9/1992	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 12/14/92*
NGW309/MW-106A	3/9/1992	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 12/14/92*
NGW309/MW-106A	3/9/1992	Vinyl Chloride	1.6 J	0.029	B, Carc	Yes	55	NA	NA	NA	SECOR 12/14/92*
NGW309/MW-106A	10/6/1992	Arsenic	2 U	0.058	B, Carc	RLE	34	370	No	<1	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Arsenic	5	0.058	B, Carc	Yes	86	370	No	<1	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Cadmium	24	5	A	Yes	4.8	3.4	Yes	7.1	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Cadmium	24	5	A	Yes	4.8	3.4	Yes	7.1	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Chromium	84	50	A	Yes	1.7	320	No	<1	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Chromium	105	50	A	Yes	2.1	320	No	<1	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Lead	30	15	A	Yes	2.0	13	Yes	2.3	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Lead	31	15	A	Yes	2.1	13	Yes	2.4	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Mercury	0.2	2	A	No	<1	0.0074	Yes	27	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Mercury	0.2	2	A	No	<1	0.0074	Yes	27	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	10/6/1992	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	7/22/1993	Acetone	37	800	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	7/22/1993	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW309/MW-106A	7/22/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	7/22/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	7/22/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW309/MW-106A	7/22/1993	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	7/22/1993	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	7/22/1993	Vinyl Chloride	0.79	0.029	B, Carc	Yes	27	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	10/27/1993	Acetone	19	800	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	10/27/1993	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW309/MW-106A	10/27/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	10/27/1993	Cadmium	31	5	A	Yes	6.2	3.4	Yes	9.1	SECOR 11/21/95*
NGW309/MW-106A	10/27/1993	Chromium	9	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW309/MW-106A	10/27/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	10/27/1993	Lead	1	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW309/MW-106A	10/27/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW309/MW-106A	10/27/1993	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	10/27/1993	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	10/27/1993	Vinyl Chloride	0.94	0.029	B, Carc	Yes	32	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	1/24/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW309/MW-106A	1/24/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW309/MW-106A	1/24/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	1/24/1994	Cadmium	10	5	A	Yes	2.0	3.4	Yes	2.9	SECOR 11/21/95*
NGW309/MW-106A	1/24/1994	Chromium	7	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW309/MW-106A	1/24/1994	Chromium	7	50	A	No	<1	320	No	<1	SECOR 11/21/95*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW309/MW-106A	1/24/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	1/24/1994	Lead	3	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW309/MW-106A	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW309/MW-106A	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW309/MW-106A	1/24/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	1/24/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	1/24/1994	Vinyl Chloride	1	0.029	B, Carc	Yes	34	NA	NA	NA	SECOR 11/21/95*
NGW309/MW-106A	4/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	4/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	4/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	4/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	4/19/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW309/MW-106A	4/19/1994	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	SECOR 11/21/95*
NGW309/MW-106A	4/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	4/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	4/19/1994	Cadmium	18	5	A	Yes	3.6	3.4	Yes	5.3	SECOR 11/21/95*
NGW309/MW-106A	4/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	4/19/1994	Chromium	6	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW309/MW-106A	4/19/1994	Chromium	8	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW309/MW-106A	4/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	4/19/1994	Lead	1	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW309/MW-106A	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW309/MW-106A	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW309/MW-106A	4/19/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	4/19/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	4/19/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW309/MW-106A	4/19/1994	Vinyl Chloride	0.9	0.029	B, Carc	Yes	31	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1994	Acetone	8.4	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW309/MW-106A	7/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW309/MW-106A	7/19/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1994	Vinyl Chloride	0.55	0.029	B, Carc	Yes	19	NA	NA	NA	Not Recorded*
NGW309/MW-106A	10/20/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	10/20/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	10/20/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	10/20/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	10/20/1994	Acetone	14	800	B, NC	No	<1	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW309/MW-106A	10/20/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW309/MW-106A	10/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	10/20/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	10/20/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	10/20/1994	Chromium	9	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW309/MW-106A	10/20/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	10/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW309/MW-106A	10/20/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	10/20/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	10/20/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW309/MW-106A	10/20/1994	Vinyl Chloride	0.6	0.029	B, Carc	Yes	21	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/23/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/23/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/23/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/23/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/23/1995	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	SECOR 11/21/95*
NGW309/MW-106A	1/23/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/23/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/23/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/23/1995	Chromium	6	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW309/MW-106A	1/23/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/23/1995	Lead	1	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW309/MW-106A	1/23/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW309/MW-106A	1/23/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/23/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/23/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/23/1995	Vinyl Chloride	0.96	0.029	B, Carc	Yes	33	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/18/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/18/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/18/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/18/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/18/1995	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW309/MW-106A	9/18/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/18/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/18/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/18/1995	Chromium	5	50	A	No	<1	320	No	<1	Not Recorded*
NGW309/MW-106A	9/18/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/18/1995	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW309/MW-106A	9/18/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW309/MW-106A	9/18/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/18/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/18/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/18/1995	Vinyl Chloride	0.64	0.029	B, Carc	Yes	22	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/27/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/27/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/27/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/27/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW309/MW-106A	3/27/1996	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW309/MW-106A	3/27/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/27/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/27/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/27/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/27/1996	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW309/MW-106A	3/27/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW309/MW-106A	3/27/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/27/1996	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/27/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/27/1996	Vinyl Chloride	0.44	0.029	B, Carc	Yes	15	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/10/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/10/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/10/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/10/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/10/1996	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW309/MW-106A	9/10/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/10/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/10/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/10/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/10/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW309/MW-106A	9/10/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/10/1996	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/10/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW309/MW-106A	9/10/1996	Vinyl Chloride	0.61	0.029	B, Carc	Yes	21	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/18/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/18/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/18/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/18/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/18/1997	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW309/MW-106A	3/18/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/18/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/18/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/18/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/18/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW309/MW-106A	3/18/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/18/1997	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/18/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW309/MW-106A	3/18/1997	Vinyl Chloride	0.52	0.029	B, Carc	Yes	18	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/27/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/27/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/27/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/27/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/27/1997	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW309/MW-106A	8/27/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/27/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/27/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW309/MW-106A	8/27/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/27/1997	Mercury	1 U	2	A	No	<1	0.0074	RLE	135	Not Recorded*
NGW309/MW-106A	8/27/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/27/1997	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/27/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/27/1997	Vinyl Chloride	0.27	0.029	B, Carc	Yes	9.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/28/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/28/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/28/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/28/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/28/1998	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW309/MW-106A	7/28/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/28/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/28/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/28/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/28/1998	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW309/MW-106A	7/28/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/28/1998	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/28/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/28/1998	Vinyl Chloride	0.68	0.029	B, Carc	Yes	23	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/18/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/18/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/18/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/18/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/18/1999	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW309/MW-106A	1/18/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/18/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/18/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/18/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/18/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW309/MW-106A	1/18/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/18/1999	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/18/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW309/MW-106A	1/18/1999	Vinyl Chloride	0.92	0.029	B, Carc	Yes	32	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1999	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW309/MW-106A	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW309/MW-106A	7/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1999	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/19/1999	Vinyl Chloride	1.1	0.029	B, Carc	Yes	38	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW309/MW-106A	7/19/1999	Vinyl Chloride	1.3	0.029	B, Carc	Yes	45	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/21/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/21/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/21/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/21/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/21/2000	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW309/MW-106A	2/21/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/21/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/21/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/21/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/21/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW309/MW-106A	2/21/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/21/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/21/2000	Vinyl Chloride	1	0.029	B, Carc	Yes	34	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/21/2000	Vinyl Chloride	1.2	0.029	B, Carc	Yes	41	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/24/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/24/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/24/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/24/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/24/2000	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW309/MW-106A	7/24/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/24/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/24/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/24/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/24/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW309/MW-106A	7/24/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/24/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/24/2000	Vinyl Chloride	0.83	0.029	B, Carc	Yes	29	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/24/2000	Vinyl Chloride	2.5	0.029	B, Carc	Yes	86	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2001	1,1-Dichloroethane	0.6 J	1600	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2001	Acetone	5.9	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2001	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW309/MW-106A	2/18/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2001	Chromium	6	50	A	No	<1	320	No	<1	Not Recorded*
NGW309/MW-106A	2/18/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW309/MW-106A	2/18/2001	Methylene Chloride	7.1	5	A	Yes	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2001	Vinyl Chloride	2.2	0.029	B, Carc	Yes	76	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW309/MW-106A	8/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/20/2001	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW309/MW-106A	8/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/20/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW309/MW-106A	8/20/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/20/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/20/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/20/2001	Vinyl Chloride	0.95	0.029	B, Carc	Yes	33	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2002	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW309/MW-106A	2/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW309/MW-106A	2/18/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/18/2002	Vinyl Chloride	0.79	0.029	B, Carc	Yes	27	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/18/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/18/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW309/MW-106A	8/18/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/18/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/18/2002	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW309/MW-106A	8/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/18/2002	Chromium	6	50	A	No	<1	320	No	<1	Not Recorded*
NGW309/MW-106A	8/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/18/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/18/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW309/MW-106A	8/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW309/MW-106A	8/18/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/18/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/18/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW309/MW-106A	2/17/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW309/MW-106A	2/17/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW309/MW-106A	2/17/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW309/MW-106A	2/17/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW309/MW-106A	2/17/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/17/2003	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/10/2003	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/10/2003	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/10/2003	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/10/2003	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW309/MW-106A	7/10/2003	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/10/2003	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/10/2003	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/10/2003	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/10/2003	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/10/2003	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/10/2003	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/10/2003	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/10/2003	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW309/MW-106A	7/10/2003	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW309/MW-106A	7/10/2003	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/10/2003	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	7/10/2003	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/9/2004	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/9/2004	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/9/2004	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/6/2004	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/6/2004	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/6/2004	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/7/2005	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/7/2005	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/7/2005	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/18/2005	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/18/2005	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/18/2005	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/20/2006	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/20/2006	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/20/2006	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/14/2006	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/14/2006	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/14/2006	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/20/2007	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/20/2007	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/20/2007	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/20/2007	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/20/2007	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/20/2007	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/19/2008	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	2/19/2008	Vinyl Chloride	0.4	0.029	B, Carc	Yes	14	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/20/2008	Tetrachloroethene	0.2 U	0.081	B, Carc	RLE	2.5	NA	NA	NA	Not Recorded*
NGW309/MW-106A	8/20/2008	Vinyl Chloride	0.3	0.029	B, Carc	Yes	10	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/5/1990	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Hart Crowser 2/15/91
NGW310/MW-106B	3/5/1990	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
NGW310/MW-106B	3/5/1990	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Hart Crowser 2/15/91
NGW310/MW-106B	3/5/1990	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 2/15/91
NGW310/MW-106B	3/5/1990	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
NGW310/MW-106B	3/5/1990	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Hart Crowser 2/15/91
NGW310/MW-106B	3/5/1990	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 2/15/91
NGW310/MW-106B	3/5/1990	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 2/15/91
NGW310/MW-106B	3/5/1990	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Hart Crowser 2/15/91
NGW310/MW-106B	3/5/1990	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 2/15/91
NGW310/MW-106B	3/5/1990	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Hart Crowser 2/15/91
NGW310/MW-106B	3/5/1990	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Hart Crowser 2/15/91
NGW310/MW-106B	3/9/1992	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SECOR 12/14/92*
NGW310/MW-106B	3/9/1992	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW310/MW-106B	3/9/1992	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	SECOR 12/14/92*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW310/MW-106B	3/9/1992	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	SECOR 12/14/92*
NGW310/MW-106B	3/9/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW310/MW-106B	3/9/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 12/14/92*
NGW310/MW-106B	3/9/1992	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	SECOR 12/14/92*
NGW310/MW-106B	3/9/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 12/14/92*
NGW310/MW-106B	3/9/1992	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 12/14/92*
NGW310/MW-106B	3/9/1992	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 12/14/92*
NGW310/MW-106B	3/9/1992	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	SECOR 12/14/92*
NGW310/MW-106B	10/6/1992	Arsenic	6	0.058	B, Carc	Yes	103	370	No	<1	SECOR 11/21/95*
NGW310/MW-106B	10/6/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	10/6/1992	<b>Cadmium</b>	<b>51</b>	<b>5</b>	<b>A</b>	<b>Yes</b>	<b>10</b>	<b>3.4</b>	<b>Yes</b>	<b>15</b>	<b>SECOR 11/21/95*</b>
NGW310/MW-106B	10/6/1992	Chromium	94	50	A	Yes	1.9	320	No	<1	SECOR 11/21/95*
NGW310/MW-106B	10/6/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	10/6/1992	<b>Lead</b>	<b>32</b>	<b>15</b>	<b>A</b>	<b>Yes</b>	<b>2.1</b>	<b>13</b>	<b>Yes</b>	<b>2.5</b>	<b>SECOR 11/21/95*</b>
NGW310/MW-106B	10/6/1992	<b>Mercury</b>	<b>0.1</b>	<b>2</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.0074</b>	<b>Yes</b>	<b>14</b>	<b>SECOR 11/21/95*</b>
NGW310/MW-106B	10/6/1992	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	10/6/1992	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	10/6/1992	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	7/22/1993	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 11/21/95*
NGW310/MW-106B	7/22/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	7/22/1993	<b>Cadmium</b>	<b>4</b>	<b>5</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>3.4</b>	<b>Yes</b>	<b>1.2</b>	<b>SECOR 11/21/95*</b>
NGW310/MW-106B	7/22/1993	Chromium	35	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW310/MW-106B	7/22/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	7/22/1993	Lead	6	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW310/MW-106B	7/22/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW310/MW-106B	7/22/1993	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	7/22/1993	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	7/22/1993	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	10/27/1993	Arsenic	5	0.058	B, Carc	Yes	86	370	No	<1	SECOR 11/21/95*
NGW310/MW-106B	10/27/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	10/27/1993	<b>Cadmium</b>	<b>9</b>	<b>5</b>	<b>A</b>	<b>Yes</b>	<b>1.8</b>	<b>3.4</b>	<b>Yes</b>	<b>2.6</b>	<b>SECOR 11/21/95*</b>
NGW310/MW-106B	10/27/1993	Chromium	48	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW310/MW-106B	10/27/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	10/27/1993	<b>Lead</b>	<b>15</b>	<b>15</b>	<b>A</b>	<b>No</b>	<b>1.0</b>	<b>13</b>	<b>Yes</b>	<b>1.2</b>	<b>SECOR 11/21/95*</b>
NGW310/MW-106B	10/27/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW310/MW-106B	10/27/1993	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	10/27/1993	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	10/27/1993	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	1/24/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW310/MW-106B	1/24/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW310/MW-106B	1/24/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	1/24/1994	Chromium	9	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW310/MW-106B	1/24/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	1/24/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW310/MW-106B	1/24/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW310/MW-106B	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW310/MW-106B	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW310/MW-106B	1/24/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	1/24/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	1/24/1994	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	SECOR 11/21/95*
NGW310/MW-106B	4/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW310/MW-106B	4/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	4/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	4/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW310/MW-106B	4/19/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW310/MW-106B	4/19/1994	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	SECOR 11/21/95*
NGW310/MW-106B	4/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	4/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW310/MW-106B	4/19/1994	Cadmium	4	5	A	No	<1	3.4	Yes	1.2	SECOR 11/21/95*
NGW310/MW-106B	4/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	4/19/1994	Chromium	9	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW310/MW-106B	4/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	4/19/1994	Lead	1	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW310/MW-106B	4/19/1994	Lead	3	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW310/MW-106B	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW310/MW-106B	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW310/MW-106B	4/19/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW310/MW-106B	4/19/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW310/MW-106B	4/19/1994	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	4/19/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW310/MW-106B	7/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1994	Lead	1	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW310/MW-106B	7/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW310/MW-106B	7/19/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1994	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW310/MW-106B	10/20/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW310/MW-106B	10/20/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	10/20/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	10/20/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW310/MW-106B	10/20/1994	Acetone	7.5	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	10/20/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW310/MW-106B	10/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	10/20/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW310/MW-106B	10/20/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW310/MW-106B	10/20/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	10/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW310/MW-106B	10/20/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW310/MW-106B	10/20/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW310/MW-106B	10/20/1994	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	10/20/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/23/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/23/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/23/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/23/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/23/1995	Arsenic	2	0.058	B, Carc	Yes	34	370	No	<1	SECOR 11/21/95*
NGW310/MW-106B	1/23/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/23/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/23/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/23/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/23/1995	Lead	1	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW310/MW-106B	1/23/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW310/MW-106B	1/23/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/23/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/23/1995	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/23/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/18/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/18/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/18/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/18/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/18/1995	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW310/MW-106B	9/18/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/18/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/18/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/18/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/18/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW310/MW-106B	9/18/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/18/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/18/1995	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/18/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/27/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/27/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/27/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/27/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/27/1996	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW310/MW-106B	3/27/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/27/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/27/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/27/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/27/1996	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW310/MW-106B	3/27/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW310/MW-106B	3/27/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW310/MW-106B	3/27/1996	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/27/1996	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/27/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/10/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/10/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/10/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/10/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/10/1996	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW310/MW-106B	9/10/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/10/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/10/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/10/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/10/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW310/MW-106B	9/10/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/10/1996	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/10/1996	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	9/10/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/18/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/18/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/18/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/18/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/18/1997	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW310/MW-106B	3/18/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/18/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/18/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/18/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/18/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW310/MW-106B	3/18/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/18/1997	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/18/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW310/MW-106B	3/18/1997	Vinyl Chloride	0.001	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/27/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/27/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/27/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/27/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/27/1997	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW310/MW-106B	8/27/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/27/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/27/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/27/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/27/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW310/MW-106B	8/27/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/27/1997	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/27/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/27/1997	Vinyl Chloride	0.038	0.029	B, Carc	Yes	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/28/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/28/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW310/MW-106B	7/28/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/28/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/28/1998	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW310/MW-106B	7/28/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/28/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/28/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/28/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/28/1998	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW310/MW-106B	7/28/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/28/1998	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/28/1998	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/28/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/18/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/18/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/18/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/18/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/18/1999	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW310/MW-106B	1/18/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/18/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/18/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/18/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/18/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW310/MW-106B	1/18/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/18/1999	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/18/1999	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	1/18/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1999	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW310/MW-106B	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW310/MW-106B	7/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1999	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1999	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/19/1999	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/21/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/21/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/21/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/21/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/21/2000	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW310/MW-106B	2/21/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/21/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW310/MW-106B	2/21/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/21/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/21/2000	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW310/MW-106B	2/21/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW310/MW-106B	2/21/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/21/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/21/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/21/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/24/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/24/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/24/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/24/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/24/2000	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW310/MW-106B	7/24/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/24/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/24/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/24/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/24/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW310/MW-106B	7/24/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/24/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/24/2000	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	7/24/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2001	Acetone	5 J	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2001	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW310/MW-106B	2/18/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW310/MW-106B	2/18/2001	Methylene Chloride	6.9	5	A	Yes	1.4	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/20/2001	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW310/MW-106B	8/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW310/MW-106B	8/20/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW310/MW-106B	8/20/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/20/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/20/2001	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/20/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2002	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	Not Recorded*
NGW310/MW-106B	2/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW310/MW-106B	2/18/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2002	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	2/18/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/18/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/18/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW310/MW-106B	8/18/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/18/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/18/2002	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW310/MW-106B	8/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/18/2002	Chromium	10	50	A	No	<1	320	No	<1	Not Recorded*
NGW310/MW-106B	8/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/18/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/18/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW310/MW-106B	8/18/2002	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW310/MW-106B	8/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW310/MW-106B	8/18/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/18/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW310/MW-106B	8/18/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/6/1990	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Hart Crowser 2/15/91
NGW311/MW-107B	3/6/1990	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
NGW311/MW-107B	3/6/1990	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Hart Crowser 2/15/91
NGW311/MW-107B	3/6/1990	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 2/15/91
NGW311/MW-107B	3/6/1990	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 2/15/91
NGW311/MW-107B	3/6/1990	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Hart Crowser 2/15/91
NGW311/MW-107B	3/6/1990	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 2/15/91



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW311/MW-107B	3/6/1990	Chloroform	6	7.2	B, Carc	No	<1	NA	NA	NA	Hart Crowser 2/15/91
NGW311/MW-107B	3/6/1990	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 2/15/91
NGW311/MW-107B	3/6/1990	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Hart Crowser 2/15/91
NGW311/MW-107B	3/6/1990	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 2/15/91
NGW311/MW-107B	3/6/1990	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Hart Crowser 2/15/91
NGW311/MW-107B	3/6/1990	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Hart Crowser 2/15/91
NGW311/MW-107B	3/9/1992	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SECOR 12/14/92*
NGW311/MW-107B	3/9/1992	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW311/MW-107B	3/9/1992	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	SECOR 12/14/92*
NGW311/MW-107B	3/9/1992	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	SECOR 12/14/92*
NGW311/MW-107B	3/9/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 12/14/92*
NGW311/MW-107B	3/9/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 12/14/92*
NGW311/MW-107B	3/9/1992	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	SECOR 12/14/92*
NGW311/MW-107B	3/9/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 12/14/92*
NGW311/MW-107B	3/9/1992	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 12/14/92*
NGW311/MW-107B	3/9/1992	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 12/14/92*
NGW311/MW-107B	3/9/1992	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	SECOR 12/14/92*
NGW311/MW-107B	10/6/1992	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW311/MW-107B	10/6/1992	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
<b>NGW311/MW-107B</b>	<b>10/6/1992</b>	<b>Cadmium</b>	<b>48</b>	<b>5</b>	<b>A</b>	<b>Yes</b>	<b>9.6</b>	<b>3.4</b>	<b>Yes</b>	<b>14</b>	<b>SECOR 11/21/95*</b>
NGW311/MW-107B	10/6/1992	Chromium	45	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW311/MW-107B	10/6/1992	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW311/MW-107B	10/6/1992	Lead	9	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW311/MW-107B	10/6/1992	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW311/MW-107B	10/6/1992	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW311/MW-107B	10/6/1992	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW311/MW-107B	10/6/1992	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	SECOR 11/21/95*
NGW311/MW-107B	7/22/1993	Acetone	12	800	B, NC	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW311/MW-107B	7/22/1993	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW311/MW-107B	7/22/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
<b>NGW311/MW-107B</b>	<b>7/22/1993</b>	<b>Cadmium</b>	<b>22</b>	<b>5</b>	<b>A</b>	<b>Yes</b>	<b>4.4</b>	<b>3.4</b>	<b>Yes</b>	<b>6.5</b>	<b>SECOR 11/21/95*</b>
NGW311/MW-107B	7/22/1993	Chromium	25	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW311/MW-107B	7/22/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW311/MW-107B	7/22/1993	Lead	6	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW311/MW-107B	7/22/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW311/MW-107B	7/22/1993	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW311/MW-107B	7/22/1993	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW311/MW-107B	7/22/1993	Vinyl Chloride	0.02 J	0.029	B, Carc	No	<1	NA	NA	NA	SECOR 11/21/95*
NGW311/MW-107B	10/27/1993	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	SECOR 11/21/95*
NGW311/MW-107B	10/27/1993	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
<b>NGW311/MW-107B</b>	<b>10/27/1993</b>	<b>Cadmium</b>	<b>10</b>	<b>5</b>	<b>A</b>	<b>Yes</b>	<b>2.0</b>	<b>3.4</b>	<b>Yes</b>	<b>2.9</b>	<b>SECOR 11/21/95*</b>
NGW311/MW-107B	10/27/1993	Chromium	23	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW311/MW-107B	10/27/1993	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW311/MW-107B	10/27/1993	Lead	10	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW311/MW-107B	10/27/1993	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW311/MW-107B	10/27/1993	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW311/MW-107B	10/27/1993	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW311/MW-107B	10/27/1993	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	SECOR 11/21/95*
NGW311/MW-107B	1/24/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW311/MW-107B	1/24/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW311/MW-107B	1/24/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	SECOR 11/21/95*
NGW311/MW-107B	1/24/1994	Cadmium	2	5	A	No	<1	3.4	No	<1	SECOR 11/21/95*
<b>NGW311/MW-107B</b>	<b>1/24/1994</b>	<b>Cadmium</b>	<b>4</b>	<b>5</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>3.4</b>	<b>Yes</b>	<b>1.2</b>	<b>SECOR 11/21/95*</b>
NGW311/MW-107B	1/24/1994	Chromium	8	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW311/MW-107B	1/24/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	SECOR 11/21/95*
NGW311/MW-107B	1/24/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW311/MW-107B	1/24/1994	Lead	4	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW311/MW-107B	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW311/MW-107B	1/24/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW311/MW-107B	1/24/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	SECOR 11/21/95*
NGW311/MW-107B	1/24/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 11/21/95*
NGW311/MW-107B	1/24/1994	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	SECOR 11/21/95*
NGW311/MW-107B	4/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW311/MW-107B	4/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	4/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	4/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW311/MW-107B	4/19/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW311/MW-107B	4/19/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW311/MW-107B	4/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	4/19/1994	Bromodichloromethane	1.6	0.71	B, Carc	Yes	2.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	4/19/1994	Cadmium	2	5	A	No	<1	3.4	No	<1	SECOR 11/21/95*
NGW311/MW-107B	4/19/1994	Cadmium	2	5	A	No	<1	3.4	No	<1	SECOR 11/21/95*
NGW311/MW-107B	4/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	4/19/1994	Chloroform	6.9	7.2	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	4/19/1994	Dibromochloromethane	1	0.52	B, Carc	Yes	1.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	4/19/1994	Lead	1	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW311/MW-107B	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW311/MW-107B	4/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW311/MW-107B	4/19/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW311/MW-107B	4/19/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW311/MW-107B	4/19/1994	Vinyl Chloride	0.2 U	0.029	B, Carc	RLE	6.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	4/19/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW311/MW-107B	7/19/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1994	Lead	1	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW311/MW-107B	7/19/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW311/MW-107B	7/19/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW311/MW-107B	7/19/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1994	Vinyl Chloride	0.069	0.029	B, Carc	Yes	2.4	NA	NA	NA	Not Recorded*
NGW311/MW-107B	10/20/1994	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW311/MW-107B	10/20/1994	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	10/20/1994	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	10/20/1994	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW311/MW-107B	10/20/1994	Acetone	11 B	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	10/20/1994	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	SECOR 11/21/95*
NGW311/MW-107B	10/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	10/20/1994	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW311/MW-107B	10/20/1994	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	10/20/1994	Chloroform	1.7 M	7.2	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	10/20/1994	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	10/20/1994	Lead	2	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW311/MW-107B	10/20/1994	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW311/MW-107B	10/20/1994	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW311/MW-107B	10/20/1994	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW311/MW-107B	10/20/1994	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW311/MW-107B	10/20/1994	Vinyl Chloride	0.12	0.029	B, Carc	Yes	4.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/23/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/23/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/23/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/23/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/23/1995	Arsenic	1	0.058	B, Carc	Yes	17	370	No	<1	SECOR 11/21/95*
NGW311/MW-107B	1/23/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/23/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/23/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/23/1995	Chromium	32	50	A	No	<1	320	No	<1	SECOR 11/21/95*
NGW311/MW-107B	1/23/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/23/1995	Lead	3	15	A	No	<1	13	No	<1	SECOR 11/21/95*
NGW311/MW-107B	1/23/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	SECOR 11/21/95*
NGW311/MW-107B	1/23/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/23/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/23/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/23/1995	Vinyl Chloride	0.18	0.029	B, Carc	Yes	6.2	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/18/1995	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/18/1995	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/18/1995	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/18/1995	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/18/1995	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW311/MW-107B	9/18/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/18/1995	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/18/1995	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/18/1995	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/18/1995	Lead	2	15	A	No	<1	13	No	<1	Not Recorded*
NGW311/MW-107B	9/18/1995	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
NGW311/MW-107B	9/18/1995	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/18/1995	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/18/1995	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/18/1995	Vinyl Chloride	0.031	0.029	B, Carc	Yes	1.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/27/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/27/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/27/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/27/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/27/1996	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW311/MW-107B	3/27/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/27/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/27/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/27/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/27/1996	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW311/MW-107B	3/27/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW311/MW-107B	3/27/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/27/1996	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/27/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/27/1996	Vinyl Chloride	0.036	0.029	B, Carc	Yes	1.2	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/10/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/10/1996	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/10/1996	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/10/1996	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/10/1996	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW311/MW-107B	9/10/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/10/1996	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/10/1996	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/10/1996	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/10/1996	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW311/MW-107B	9/10/1996	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/10/1996	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/10/1996	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW311/MW-107B	9/10/1996	Vinyl Chloride	0.034	0.029	B, Carc	Yes	1.2	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/18/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/18/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/18/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/18/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/18/1997	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW311/MW-107B	3/18/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/18/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/18/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/18/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/18/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW311/MW-107B	3/18/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/18/1997	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/18/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW311/MW-107B	3/18/1997	Vinyl Chloride	0.026	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW311/MW-107B	8/27/1997	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/27/1997	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/27/1997	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/27/1997	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/27/1997	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW311/MW-107B	8/27/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/27/1997	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/27/1997	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/27/1997	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/27/1997	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW311/MW-107B	8/27/1997	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/27/1997	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/27/1997	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/27/1997	Vinyl Chloride	0.015	0.029	B, Carc	No	<1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/28/1998	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/28/1998	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/28/1998	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/28/1998	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/28/1998	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW311/MW-107B	7/28/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/28/1998	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/28/1998	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/28/1998	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/28/1998	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW311/MW-107B	7/28/1998	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/28/1998	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/28/1998	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/28/1998	Vinyl Chloride	0.068	0.029	B, Carc	Yes	2.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/18/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/18/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/18/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/18/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/18/1999	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW311/MW-107B	1/18/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/18/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/18/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/18/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/18/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW311/MW-107B	1/18/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/18/1999	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW311/MW-107B	1/18/1999	Vinyl Chloride	2 U	0.029	B, Carc	RLE	69	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1999	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1999	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1999	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1999	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1999	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW311/MW-107B	7/19/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW311/MW-107B	7/19/1999	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1999	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1999	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1999	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW311/MW-107B	7/19/1999	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1999	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1999	Vinyl Chloride	0.94	0.029	B, Carc	Yes	32	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/19/1999	Vinyl Chloride	1	0.029	B, Carc	Yes	34	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/21/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/21/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/21/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/21/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/21/2000	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW311/MW-107B	2/21/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/21/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/21/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/21/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/21/2000	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW311/MW-107B	2/21/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW311/MW-107B	2/21/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/21/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/21/2000	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/21/2000	Vinyl Chloride	0.78	0.029	B, Carc	Yes	27	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/24/2000	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/24/2000	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/24/2000	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/24/2000	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/24/2000	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW311/MW-107B	7/24/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/24/2000	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/24/2000	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/24/2000	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/24/2000	Lead	1	15	A	No	<1	13	No	<1	Not Recorded*
NGW311/MW-107B	7/24/2000	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW311/MW-107B	7/24/2000	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/24/2000	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/24/2000	Vinyl Chloride	0.64	0.029	B, Carc	Yes	22	NA	NA	NA	Not Recorded*
NGW311/MW-107B	7/24/2000	Vinyl Chloride	2	0.029	B, Carc	Yes	69	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2001	Acetone	8.2	800	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2001	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW311/MW-107B	2/18/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
NGW311/MW-107B	2/18/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW311/MW-107B	2/18/2001	Methylene Chloride	6.5	5	A	Yes	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2001	Vinyl Chloride	1.2	0.029	B, Carc	Yes	41	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/20/2001	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/20/2001	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/20/2001	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/20/2001	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/20/2001	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW311/MW-107B	8/20/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/20/2001	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/20/2001	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/20/2001	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/20/2001	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW311/MW-107B	8/20/2001	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/20/2001	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/20/2001	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/20/2001	Vinyl Chloride	0.45	0.029	B, Carc	Yes	16	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2002	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW311/MW-107B	2/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW311/MW-107B	2/18/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
NGW311/MW-107B	2/18/2002	Vinyl Chloride	0.22	0.029	B, Carc	Yes	7.6	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/18/2002	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/18/2002	1,1,2-Trichloroethane	1 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/18/2002	1,2,3-Trichloropropane	3 U	0.0063	B, Carc	RLE	476	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/18/2002	1,2,4-Trichlorobenzene	5 U	80	B, NC	No	<1	2.5	RLE	2.0	Not Recorded*
NGW311/MW-107B	8/18/2002	1,2-Dibromo-3-chloropropane	5 U	0.031	B, Carc	RLE	161	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/18/2002	1,2-Dichloroethane	1 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/18/2002	1,2-Dichloropropane	1 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/18/2002	Acrylonitrile	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/18/2002	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Not Recorded*
NGW311/MW-107B	8/18/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/18/2002	Bromodichloromethane	1 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/18/2002	Carbon Tetrachloride	1 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/18/2002	Chromium	5	50	A	No	<1	320	No	<1	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW311/MW-107B	8/18/2002	Dibromochloromethane	1 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/18/2002	Ethylene Dibromide	1 U	0.00051	B, Carc	RLE	1961	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/18/2002	Hexachlorobutadiene	5 U	0.56	B, Carc	RLE	8.9	6.2	No	<1	Not Recorded*
NGW311/MW-107B	8/18/2002	Mercury	0.1 U	2	A	No	<1	0.0074	RLE	14	Not Recorded*
NGW311/MW-107B	8/18/2002	Tetrachloroethene	1 U	0.081	B, Carc	RLE	12	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/18/2002	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Not Recorded*
NGW311/MW-107B	8/18/2002	Vinyl Chloride	1 U	0.029	B, Carc	RLE	34	NA	NA	NA	Not Recorded*
<b>Building 3-801</b>											
BT4006	3/16/1992	Diesel Range Hydrocarbons	2800	500	A	Yes	5.6	NA	NA	NA	SECOR 12/14/92*
BT4006(2)	3/18/1992	Diesel Range Hydrocarbons	1400	500	A	Yes	2.8	NA	NA	NA	SECOR 12/14/92*
BT4068	3/16/1992	Diesel Range Hydrocarbons	1100	500	A	Yes	2.2	NA	NA	NA	SECOR 12/14/92*
BT4068(2)	3/18/1992	Diesel Range Hydrocarbons	6700	500	A	Yes	13	NA	NA	NA	SECOR 12/14/92*
BT4068(3)	3/27/1992	Diesel Range Hydrocarbons	11000	500	A	Yes	22	NA	NA	NA	SECOR 12/14/92*
MW-1	7/11/1991	Arsenic	2 U	0.058	B, Carc	RLE	34	370	No	<1	SEACOR 9/12/91
MW-1	7/11/1991	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	SEACOR 9/12/91
MW-1-Dup	7/11/1991	Arsenic	2 U	0.058	B, Carc	RLE	34	370	No	<1	SEACOR 9/12/91
MW-1-Dup	7/11/1991	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	SEACOR 9/12/91
MW-2	7/11/1991	Arsenic	2 U	0.058	B, Carc	RLE	34	370	No	<1	SEACOR 9/12/91
MW-2	7/11/1991	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	SEACOR 9/12/91
MW-3	7/11/1991	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	SEACOR 9/12/91
MW-3	9/4/1991	Antimony	21	6.4	B, NC	Yes	3.3	370	No	<1	SEACOR 10/3/91
MW-3	9/4/1991	Arsenic	6.4	0.058	B, Carc	Yes	110	370	No	<1	SEACOR 10/3/91
MW-3	9/4/1991	Chromium	18	50	A	No	<1	320	No	<1	SEACOR 10/3/91
MW-3	9/4/1991	Copper	40	590	B, NC	No	<1	120	No	<1	SEACOR 10/3/91
MW-3	9/4/1991	Lead	2.8	15	A	No	<1	13	No	<1	SEACOR 10/3/91
MW-3	9/4/1991	Nickel	2.3	NA	NA	NA	NA	NA	NA	NA	SEACOR 10/3/91
MW-3	9/4/1991	Zinc	24	4800	B, NC	No	<1	76	No	<1	SEACOR 10/3/91
MW-4	7/11/1991	Arsenic	170	0.058	B, Carc	Yes	2931	370	No	<1	SEACOR 9/12/91
MW-4	7/11/1991	Chromium	50	50	A	No	1.0	320	No	<1	SEACOR 9/12/91
MW-4	7/11/1991	Copper	20	590	B, NC	No	<1	120	No	<1	SEACOR 9/12/91
MW-4	7/11/1991	Lead	5	15	A	No	<1	13	No	<1	SEACOR 9/12/91
MW-4	7/11/1991	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	SEACOR 9/12/91
MW-4	9/4/1991	Antimony	57	6.4	B, NC	Yes	8.9	370	No	<1	SEACOR 10/3/91
MW-4	9/4/1991	Arsenic	6.5	0.058	B, Carc	Yes	112	370	No	<1	SEACOR 10/3/91
MW-4	9/4/1991	Beryllium	1.7	32	B, NC	No	<1	NA	NA	NA	SEACOR 10/3/91
MW-4	9/4/1991	Chromium	92	50	A	Yes	1.8	320	No	<1	SEACOR 10/3/91
MW-4	9/4/1991	Copper	33	590	B, NC	No	<1	120	No	<1	SEACOR 10/3/91
MW-4	9/4/1991	Lead	8.1	15	A	No	<1	13	No	<1	SEACOR 10/3/91
MW-4	9/4/1991	Nickel	2.8	NA	NA	NA	NA	NA	NA	NA	SEACOR 10/3/91
MW-4	9/4/1991	Zinc	65	4800	B, NC	No	<1	76	No	<1	SEACOR 10/3/91
<b>Building 3-818</b>											
NBF-3-818-MW1	2/22/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 4/1/93*
NBF-3-818-MW2	2/22/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 4/1/93*
<b>Main Fuel Farm</b>											
MW-12/MF-12	1986	Benzene	4	0.8	B, Carc	Yes	5.0	NA	NA	NA	Landau 9/9/86
MW-12/MF-12	1986	Kerosene	2920	500	A, Diesel	Yes	5.8	NA	NA	NA	Landau 9/9/86

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
MW-12/MF-12	1986	Total Petroleum Hydrocarbons	2920	500	A	Yes	5.8	NA	NA	NA	Landau 9/9/86
MW-12/MF-12	12/4/1991	Total Petroleum Hydrocarbons	1200	500	A	Yes	2.4	NA	NA	NA	SECOR 6/12/96*
MW-12/MF-12	4/1/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 9/1/92*
MW-12/MF-12	4/1/1992	Diesel Range Hydrocarbons	1400	500	A	Yes	2.8	NA	NA	NA	SECOR 9/1/92*
MW-12/MF-12	4/1/1992	Total Petroleum Hydrocarbons	1400	500	A	Yes	2.8	NA	NA	NA	SECOR 6/12/96*
MW-12/MF-12	7/22/1992	Benzene	1.4	0.8	B, Carc	Yes	1.8	NA	NA	NA	SECOR 6/12/96*
MW-12/MF-12	7/22/1992	Ethylbenzene	2	700	A	No	<1	NA	NA	NA	SECOR 6/12/96*
MW-12/MF-12	7/22/1992	Toluene	1.4	640	B, NC	No	<1	NA	NA	NA	SECOR 6/12/96*
MW-12/MF-12	7/22/1992	Total Petroleum Hydrocarbons	850	500	A	Yes	1.7	NA	NA	NA	SECOR 6/12/96*
MW-12/MF-12	7/22/1992	Xylenes, total	10	1000	A	No	<1	NA	NA	NA	SECOR 6/12/96*
MW-12/MF-12	10/30/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-12/MF-12	10/30/1992	Total Petroleum Hydrocarbons	350	500	A	No	<1	NA	NA	NA	SECOR 6/12/96*
MW-13/MF-13	1986	Kerosene	1300	500	A, Diesel	Yes	2.6	NA	NA	NA	Landau 9/9/86
MW-13/MF-13	1986	Total Petroleum Hydrocarbons	1300	500	A	Yes	2.6	NA	NA	NA	Landau 9/9/86
MW-14/MF-14	1986	Benzene	2 U	0.8	B, Carc	RLE	2.5	NA	NA	NA	Landau 9/9/86
MW-14/MF-14	1986	Kerosene	4470	500	A, Diesel	Yes	8.9	NA	NA	NA	Landau 9/9/86
MW-14/MF-14	1986	Total Petroleum Hydrocarbons	4470	500	A	Yes	8.9	NA	NA	NA	Landau 9/9/86
MW-15/MF-15	12/4/1991	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-15/MF-15	4/1/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 9/1/92*
MW-15/MF-15	7/22/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-15/MF-15	10/29/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-16/MF-16	12/4/1991	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-16/MF-16	12/4/1991	Total Petroleum Hydrocarbons	430	500	A	No	<1	NA	NA	NA	SECOR 6/12/96*
MW-16/MF-16	4/1/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 9/1/92*
MW-16/MF-16	4/1/1992	Diesel Range Hydrocarbons	780	500	A	Yes	1.6	NA	NA	NA	SECOR 9/1/92*
MW-16/MF-16	4/1/1992	Total Petroleum Hydrocarbons	780	500	A	Yes	1.6	NA	NA	NA	SECOR 6/12/96*
MW-16/MF-16	7/22/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-16/MF-16	10/29/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-17/MF-17	12/4/1991	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-17/MF-17	12/4/1991	Total Petroleum Hydrocarbons	40	500	A	No	<1	NA	NA	NA	SECOR 6/12/96*
MW-17/MF-17	4/1/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 9/1/92*
MW-17/MF-17	7/22/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-17/MF-17	10/29/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-18/MF-18	1986	Kerosene	180	500	A, Diesel	No	<1	NA	NA	NA	Landau 9/9/86
MW-18/MF-18	1986	Total Petroleum Hydrocarbons	720	500	A	Yes	1.4	NA	NA	NA	Landau 9/9/86
MW-18/MF-18	12/4/1991	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-18/MF-18	12/4/1991	Total Petroleum Hydrocarbons	49000	500	A	Yes	98	NA	NA	NA	SECOR 6/12/96*
MW-18/MF-18	4/1/1992	Diesel Range Hydrocarbons	58000	500	A	Yes	116	NA	NA	NA	SECOR 9/1/92*
MW-18/MF-18	4/1/1992	Total Petroleum Hydrocarbons	58000	500	A	Yes	116	NA	NA	NA	SECOR 6/12/96*
MW-19/MF-19	1986	Kerosene	600	500	A, Diesel	Yes	1.2	NA	NA	NA	Landau 9/9/86
MW-19/MF-19	1986	Total Petroleum Hydrocarbons	830	500	A	Yes	1.7	NA	NA	NA	Landau 9/9/86
MW-19/MF-19	12/4/1991	Total Petroleum Hydrocarbons	410	500	A	No	<1	NA	NA	NA	SECOR 6/12/96*
MW-19/MF-19	4/1/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 9/1/92*
MW-19/MF-19	4/1/1992	Diesel Range Hydrocarbons	1100	500	A	Yes	2.2	NA	NA	NA	SECOR 9/1/92*
MW-19/MF-19	4/1/1992	Total Petroleum Hydrocarbons	1100	500	A	Yes	2.2	NA	NA	NA	SECOR 6/12/96*
MW-19/MF-19	7/22/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-19/MF-19	10/29/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
MW-20/MF-20	4/1/1992	Benzene	20	0.8	B, Carc	Yes	25	NA	NA	NA	SECOR 6/12/96*
MW-20/MF-20	4/1/1992	Total Petroleum Hydrocarbons	19000	500	A	Yes	38	NA	NA	NA	SECOR 6/12/96*
MW-20/MF-20	4/2/1992	Benzene	20	0.8	B, Carc	Yes	25.0	NA	NA	NA	SECOR 9/1/92*
MW-20/MF-20	4/2/1992	Diesel Range Hydrocarbons	19000	500	A	Yes	38	NA	NA	NA	SECOR 9/1/92*
MW-21/MF-21	4/1/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-21/MF-21	4/2/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 9/1/92*
MW-21/MF-21	7/22/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-21/MF-21	10/29/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-21/MF-21	1/26/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-21/MF-21	4/26/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-21/MF-21	7/21/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-22/MF-22	4/1/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-22/MF-22	4/2/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 9/1/92*
MW-22/MF-22	7/22/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-22/MF-22	10/29/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-25/MF-25	4/1/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 9/1/92*
MW-25/MF-25	7/22/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-25/MF-25	10/29/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-25/MF-25	1/26/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-25/MF-25	4/26/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-25/MF-25	7/21/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	4/1/1992	Benzene	5.9	0.8	B, Carc	Yes	7.4	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	4/1/1992	Total Petroleum Hydrocarbons	820	500	A	Yes	1.6	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	4/2/1992	Benzene	5.9	0.8	B, Carc	Yes	7.4	NA	NA	NA	SECOR 9/1/92*
MW-28/MF-28	4/2/1992	Diesel Range Hydrocarbons	820	500	A	Yes	1.6	NA	NA	NA	SECOR 9/1/92*
MW-28/MF-28	7/22/1992	Benzene	5.7	0.8	B, Carc	Yes	7.1	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	7/22/1992	Ethylbenzene	2.3	700	A	No	<1	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	7/22/1992	Toluene	0.9 J	640	B, NC	No	<1	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	7/22/1992	Total Petroleum Hydrocarbons	540	500	A	Yes	1.1	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	10/30/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	10/30/1992	Total Petroleum Hydrocarbons	820	500	A	Yes	1.6	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	1/26/1993	Benzene	5.5	0.8	B, Carc	Yes	6.9	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	1/26/1993	Ethylbenzene	0.9 J	700	A	No	<1	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	1/26/1993	Total Petroleum Hydrocarbons	370	500	A	No	<1	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	1/26/1993	Xylenes, total	1.2 J	1000	A	No	<1	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	4/26/1993	Benzene	1.2	0.8	B, Carc	Yes	1.5	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	4/26/1993	Total Petroleum Hydrocarbons	900	500	A	Yes	1.8	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	7/21/1993	Benzene	6.2	0.8	B, Carc	Yes	7.8	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	7/21/1993	Ethylbenzene	2.3	700	A	No	<1	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	7/21/1993	Total Petroleum Hydrocarbons	140 J	500	A	No	<1	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	7/21/1993	Xylenes, total	2.9	1000	A	No	<1	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	10/26/1993	Benzene	35	0.8	B, Carc	Yes	44	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	10/26/1993	Ethylbenzene	15	700	A	No	<1	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	10/26/1993	Toluene	0.8 J	640	B, NC	No	<1	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	10/26/1993	Total Petroleum Hydrocarbons	1400	500	A	Yes	2.8	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	10/26/1993	Xylenes, total	30	1000	A	No	<1	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	1/25/1994	Benzene	10	0.8	B, Carc	Yes	13	NA	NA	NA	SECOR 6/12/96*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
MW-28/MF-28	1/25/1994	Ethylbenzene	5.8	700	A	No	<1	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	1/25/1994	Total Petroleum Hydrocarbons	650	500	A	Yes	1.3	NA	NA	NA	SECOR 6/12/96*
MW-28/MF-28	1/25/1994	Xylenes, total	8.3	1000	A	No	<1	NA	NA	NA	SECOR 6/12/96*
NGW351/MW-23	4/1/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW351/MW-23	4/2/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 9/1/92*
NGW351/MW-23	7/22/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW351/MW-23	10/29/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW351/MW-23	1/26/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW351/MW-23	4/26/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW351/MW-23	7/21/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW351/MW-23	10/26/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW351/MW-23	1/25/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW351/MW-23	4/20/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW351/MW-23	10/25/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW351/MW-23	1/25/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW351/MW-23	9/11/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW351/MW-23	3/21/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW351/MW-23	9/12/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW351/MW-23	3/20/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW351/MW-23	8/28/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW351/MW-23	7/29/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW351/MW-23	1/21/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW351/MW-23	7/20/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW351/MW-23	2/23/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW351/MW-23	7/26/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW351/MW-23	2/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW351/MW-23	8/14/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW351/MW-23	2/21/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW352/MW-24	4/1/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW352/MW-24	4/2/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 9/1/92*
NGW352/MW-24	7/22/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW352/MW-24	10/29/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW352/MW-24	1/26/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW352/MW-24	4/26/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW352/MW-24	7/21/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW352/MW-24	10/26/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW352/MW-24	1/25/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW352/MW-24	10/25/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW352/MW-24	10/25/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW352/MW-24	1/25/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW352/MW-24	9/11/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW352/MW-24	3/21/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW352/MW-24	9/12/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW352/MW-24	3/20/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW352/MW-24	8/28/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW352/MW-24	7/29/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW352/MW-24	1/21/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW352/MW-24	7/20/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW352/MW-24	2/23/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW352/MW-24	7/26/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW352/MW-24	2/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW352/MW-24	8/14/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW352/MW-24	2/21/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW352/MW-24	8/15/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW353/MW-26	4/1/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 9/1/92*
NGW353/MW-26	7/22/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW353/MW-26	10/29/1992	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW353/MW-26	10/29/1992	Total Petroleum Hydrocarbons	470	500	A	No	<1	NA	NA	NA	SECOR 6/12/96*
NGW353/MW-26	1/26/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW353/MW-26	4/26/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW353/MW-26	7/21/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW353/MW-26	10/26/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW353/MW-26	1/25/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	SECOR 6/12/96*
NGW353/MW-26	10/25/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW353/MW-26	1/25/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW353/MW-26	9/11/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW353/MW-26	3/21/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW353/MW-26	9/11/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW353/MW-26	3/20/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW353/MW-26	8/28/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW353/MW-26	7/29/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW353/MW-26	1/21/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW353/MW-26	7/21/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW353/MW-26	2/23/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW353/MW-26	7/26/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW353/MW-26	2/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW353/MW-26	8/14/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW353/MW-26	8/14/2001	Diesel Range Hydrocarbons	4200	500	A	Yes	8.4	NA	NA	NA	Not Recorded*
NGW353/MW-26	8/14/2001	Jet Fuel A	7200	500	A, Diesel	Yes	14	NA	NA	NA	Not Recorded*
NGW353/MW-26	8/14/2001	Xylenes, m&p-	1.3	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW353/MW-26	2/21/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW353/MW-26	2/21/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW353/MW-26	8/15/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW354/MW-27	4/1/1992	Benzene	4.9	0.8	B, Carc	Yes	6.1	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	4/2/1992	Benzene	4.9	0.8	B, Carc	Yes	6.1	NA	NA	NA	SECOR 9/1/92*
NGW354/MW-27	7/22/1992	Benzene	51	0.8	B, Carc	Yes	64	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	7/22/1992	Ethylbenzene	16	700	A	No	<1	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	7/22/1992	Toluene	1.1	640	B, NC	No	<1	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	7/22/1992	Xylenes, total	60	1000	A	No	<1	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	10/29/1992	Benzene	40	0.8	B, Carc	Yes	50	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	10/29/1992	Xylenes, total	85	1000	A	No	<1	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	1/26/1993	Benzene	9.6	0.8	B, Carc	Yes	12	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	1/26/1993	Ethylbenzene	2	700	A	No	<1	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	1/26/1993	Xylenes, total	9	1000	A	No	<1	NA	NA	NA	SECOR 6/12/96*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
NGW354/MW-27	4/26/1993	Benzene	5.1	0.8	B, Carc	Yes	6.4	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	4/26/1993	Ethylbenzene	1	700	A	No	<1	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	4/26/1993	Xylenes, total	3.8	1000	A	No	<1	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	7/21/1993	Benzene	4.8	0.8	B, Carc	Yes	6.0	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	7/21/1993	Xylenes, total	5.8	1000	A	No	<1	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	10/26/1993	Benzene	27	0.8	B, Carc	Yes	34	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	10/26/1993	Ethylbenzene	8.4	700	A	No	<1	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	10/26/1993	Toluene	0.6 J	640	B, NC	No	<1	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	10/26/1993	Xylenes, total	11	1000	A	No	<1	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	1/25/1994	Benzene	5.7	0.8	B, Carc	Yes	7.1	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	1/25/1994	Ethylbenzene	1.1	700	A	No	<1	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	1/25/1994	Xylenes, total	3.1	1000	A	No	<1	NA	NA	NA	SECOR 6/12/96*
NGW354/MW-27	10/25/1994	Benzene	62	0.8	B, Carc	Yes	77.5	NA	NA	NA	Not Recorded*
NGW354/MW-27	10/25/1994	Diesel Range Hydrocarbons	560	500	A	Yes	1.1	NA	NA	NA	Not Recorded*
NGW354/MW-27	10/25/1994	Ethylbenzene	17	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	10/25/1994	Toluene	1.1	640	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	10/25/1994	Xylene, o-	3.9	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	10/25/1994	Xylenes, m&p-	34	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	1/25/1995	Benzene	2.3	0.8	B, Carc	Yes	2.9	NA	NA	NA	Not Recorded*
NGW354/MW-27	5/18/1995	Diesel Range Hydrocarbons	3900	500	A	Yes	7.8	NA	NA	NA	Not Recorded*
NGW354/MW-27	9/12/1995	Benzene	48	0.8	B, Carc	Yes	60.0	NA	NA	NA	Not Recorded*
NGW354/MW-27	9/12/1995	Diesel Range Hydrocarbons	1900	500	A	Yes	3.8	NA	NA	NA	Not Recorded*
NGW354/MW-27	9/12/1995	Ethylbenzene	22	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	9/12/1995	Xylene, o-	2.9	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	9/12/1995	Xylenes, m&p-	11	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	3/21/1996	Benzene	4.1	0.8	B, Carc	Yes	5.1	NA	NA	NA	Not Recorded*
NGW354/MW-27	3/21/1996	Diesel Range Hydrocarbons	790	500	A	Yes	1.6	NA	NA	NA	Not Recorded*
NGW354/MW-27	3/21/1996	Ethylbenzene	2.9	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	3/21/1996	Xylenes, m&p-	4	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	9/11/1996	Benzene	50	0.8	B, Carc	Yes	62.5	NA	NA	NA	Not Recorded*
NGW354/MW-27	9/11/1996	Diesel Range Hydrocarbons	4100	500	A	Yes	8.2	NA	NA	NA	Not Recorded*
NGW354/MW-27	9/11/1996	Ethylbenzene	28	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	9/11/1996	Toluene	1.5	640	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	9/11/1996	Xylene, o-	5.2	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	9/11/1996	Xylenes, m&p-	43	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	3/20/1997	Benzene	13	0.8	B, Carc	Yes	16.3	NA	NA	NA	Not Recorded*
NGW354/MW-27	3/20/1997	Diesel Range Hydrocarbons	52000	500	A	Yes	104	NA	NA	NA	Not Recorded*
NGW354/MW-27	3/20/1997	Ethylbenzene	4.7	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	3/20/1997	Xylenes, m&p-	4.8	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/28/1997	Benzene	85	0.8	B, Carc	Yes	106.3	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/28/1997	Diesel Range Hydrocarbons	29000	500	A	Yes	58	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/28/1997	Ethylbenzene	34	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/28/1997	Xylene, o-	3.1	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/28/1997	Xylenes, m&p-	120	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/29/1998	Benzene	58	0.8	B, Carc	Yes	72.5	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/29/1998	Diesel Range Hydrocarbons	6800	500	A	Yes	14	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/29/1998	Ethylbenzene	52	700	A	No	<1	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
NGW354/MW-27	7/29/1998	Xylenes, m&p-	210	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	1/21/1999	Benzene	25	0.8	B, Carc	Yes	31.3	NA	NA	NA	Not Recorded*
NGW354/MW-27	1/21/1999	Diesel Range Hydrocarbons	2700	500	A	Yes	5.4	NA	NA	NA	Not Recorded*
NGW354/MW-27	1/21/1999	Ethylbenzene	6.2	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	1/21/1999	Xylenes, m&p-	16	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/21/1999	Benzene	76	0.8	B, Carc	Yes	95.0	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/21/1999	Benzene	88	0.8	B, Carc	Yes	110.0	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/21/1999	Diesel Range Hydrocarbons	550	500	A	Yes	1.1	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/21/1999	Diesel Range Hydrocarbons	580	500	A	Yes	1.2	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/21/1999	Ethylbenzene	97	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/21/1999	Ethylbenzene	120	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/21/1999	Toluene	1	640	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/21/1999	Toluene	1	640	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/21/1999	Xylene, o-	10	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/21/1999	Xylene, o-	10	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/21/1999	Xylenes, m&p-	430	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/21/1999	Xylenes, m&p-	430	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/23/2000	Benzene	110 E	0.8	B, Carc	Yes	138	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/23/2000	Diesel Range Hydrocarbons	4900	500	A	Yes	9.8	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/23/2000	Ethylbenzene	66	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/23/2000	Xylene, o-	2.9	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/23/2000	Xylenes, m&p-	290 E	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/26/2000	Benzene	62	0.8	B, Carc	Yes	77.5	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/26/2000	Benzene	63	0.8	B, Carc	Yes	78.8	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/26/2000	Diesel Range Hydrocarbons	2800	500	A	Yes	5.6	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/26/2000	Diesel Range Hydrocarbons	24000	500	A	Yes	48	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/26/2000	Ethylbenzene	27	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/26/2000	Ethylbenzene	28	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/26/2000	Xylene, o-	2	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/26/2000	Xylene, o-	2.2	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/26/2000	Xylenes, m&p-	160	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/26/2000	Xylenes, m&p-	160	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/21/2001	Benzene	94	0.8	B, Carc	Yes	117.5	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/21/2001	Diesel Range Hydrocarbons	61000	500	A	Yes	122	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/21/2001	Ethylbenzene	130	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/21/2001	Jet Fuel A	180000	500	A, Diesel	Yes	360	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/21/2001	Toluene	1.3	640	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/21/2001	Xylene, o-	9.5	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/21/2001	Xylenes, m&p-	760	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/14/2001	Benzene	110	0.8	B, Carc	Yes	137.5	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/14/2001	Diesel Range Hydrocarbons	36000	500	A	Yes	72	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/14/2001	Ethylbenzene	97	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/14/2001	Jet Fuel A	82000	500	A, Diesel	Yes	164	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/14/2001	Toluene	1.8	640	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/14/2001	Xylene, o-	14	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/14/2001	Xylenes, m&p-	660	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/21/2002	Benzene	30	0.8	B, Carc	Yes	37.5	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW354/MW-27	2/21/2002	Diesel Range Hydrocarbons	18000	500	A	Yes	36	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/21/2002	Ethylbenzene	220	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/21/2002	Jet Fuel A	47000	500	A, Diesel	Yes	94	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/21/2002	Toluene	1.1	640	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/21/2002	Xylene, o-	12	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/21/2002	Xylenes, m&p-	920	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/15/2002	Benzene	59	0.8	B, Carc	Yes	73.8	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/15/2002	Diesel Range Hydrocarbons	2200	500	A	Yes	4.4	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/15/2002	Ethylbenzene	60	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/15/2002	Xylene, o-	3.3	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/15/2002	Xylenes, m&p-	640	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/17/2003	Benzene	44	0.8	B, Carc	Yes	55.0	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/17/2003	Diesel Range Hydrocarbons	30000	500	A	Yes	60	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/17/2003	Ethylbenzene	89	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/17/2003	Jet Fuel A	83000	500	A, Diesel	Yes	166	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/17/2003	Xylene, o-	5.3	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/17/2003	Xylenes, m&p-	630	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/10/2003	Benzene	10	0.8	B, Carc	Yes	12.5	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/10/2003	Diesel Range Hydrocarbons	27000	500	A	Yes	54	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/10/2003	Ethylbenzene	45	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/10/2003	Jet Fuel A	66000	500	A, Diesel	Yes	132	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/10/2003	Xylene, o-	3.6	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	7/10/2003	Xylenes, m&p-	300	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/11/2004	Benzene	48	0.8	B, Carc	Yes	60.0	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/11/2004	Diesel Range Hydrocarbons	4300	500	A	Yes	8.6	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/11/2004	Ethylbenzene	240	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/11/2004	Jet Fuel A	9600	500	A, Diesel	Yes	19	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/11/2004	Toluene	1	640	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/11/2004	Xylene, o-	6.9	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/11/2004	Xylenes, m&p-	900	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/6/2004	Benzene	240	0.8	B, Carc	Yes	300.0	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/6/2004	Diesel Range Hydrocarbons	6600	500	A	Yes	13	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/6/2004	Ethylbenzene	32	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/6/2004	Jet Fuel A	13000	500	A, Diesel	Yes	26	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/6/2004	Xylene, o-	1.8	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/6/2004	Xylenes, m&p-	210	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/8/2005	Benzene	56	0.8	B, Carc	Yes	70.0	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/8/2005	Diesel Range Hydrocarbons	7500	500	A	Yes	15	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/8/2005	Ethylbenzene	170	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/8/2005	Jet Fuel A	18000	500	A, Diesel	Yes	36	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/8/2005	Xylene, o-	4.3	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/8/2005	Xylenes, m&p-	510	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/19/2005	Benzene	77	0.8	B, Carc	Yes	96.3	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/19/2005	Diesel Range Hydrocarbons	11000	500	A	Yes	22	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/19/2005	Ethylbenzene	180	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/19/2005	Jet Fuel A	23000	500	A, Diesel	Yes	46	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/19/2005	Xylenes, m&p-	540	1000	A	No	<1	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedance	GW-to-Sediment Screening Level Exceedance Factor	Source
NGW354/MW-27	2/20/2006	Benzene	34	0.8	B, Carc	Yes	42.5	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/20/2006	Diesel Range Hydrocarbons	4700	500	A	Yes	9.4	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/20/2006	Ethylbenzene	15	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/20/2006	Jet Fuel A	10000	500	A, Diesel	Yes	20	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/20/2006	Xylene, o-	1.1	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/20/2006	Xylenes, m&p-	19	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/15/2006	Benzene	120	0.8	B, Carc	Yes	150.0	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/15/2006	Diesel Range Hydrocarbons	3600	500	A	Yes	7.2	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/15/2006	Ethylbenzene	230	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/15/2006	Jet Fuel A	11000	500	A, Diesel	Yes	22	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/15/2006	Xylene, o-	10	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/19/2007	Benzene	21	0.8	B, Carc	Yes	26.3	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/19/2007	Diesel Range Hydrocarbons	40000	500	A	Yes	80	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/19/2007	Ethylbenzene	33	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/19/2007	Jet Fuel A	95000	500	A, Diesel	Yes	190	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/19/2007	Xylene, o-	1.1	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/19/2007	Xylenes, m&p-	75	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/23/2007	Benzene	79	0.8	B, Carc	Yes	98.8	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/23/2007	Diesel Range Hydrocarbons	3800	500	A	Yes	7.6	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/23/2007	Ethylbenzene	25	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/23/2007	Jet Fuel A	11000	500	A, Diesel	Yes	22	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/23/2007	Xylenes, m&p-	45	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/20/2008	Benzene	51	0.8	B, Carc	Yes	63.8	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/20/2008	Diesel Range Hydrocarbons	3700	500	A	Yes	7.4	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/20/2008	Ethylbenzene	5.8	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/20/2008	Heavy Oil Range Hydrocarbons	2500 U	500	A	RLE	5.0	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/20/2008	Jet Fuel A	8400	500	A, Diesel	Yes	17	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/20/2008	Xylene, o-	1.1	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	2/20/2008	Xylenes, m&p-	7.5	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/21/2008	Benzene	180	0.8	B, Carc	Yes	225.0	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/21/2008	Diesel Range Hydrocarbons	21000	500	A	Yes	42	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/21/2008	Ethylbenzene	120	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/21/2008	Jet Fuel A	35000	500	A, Diesel	Yes	70	NA	NA	NA	Not Recorded*
NGW354/MW-27	8/21/2008	Xylenes, m&p-	230	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW355/MW-29	1/25/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW355/MW-29	9/11/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW355/MW-29	3/21/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW355/MW-29	9/12/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW355/MW-29	9/12/1996	Toluene	1.2	640	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW355/MW-29	3/20/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW355/MW-29	8/28/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW355/MW-29	7/29/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW355/MW-29	1/21/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW355/MW-29	7/20/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW355/MW-29	2/23/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW355/MW-29	7/26/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW355/MW-29	2/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW355/MW-29	2/21/2001	Diesel Range Hydrocarbons	280	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW355/MW-29	2/21/2001	Jet Fuel A	900	500	A, Diesel	Yes	1.8	NA	NA	NA	Not Recorded*
NGW355/MW-29	8/14/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW355/MW-29	2/21/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW356/MW-30	1/25/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW356/MW-30	1/25/1995	Diesel Range Hydrocarbons	2000	500	A	Yes	4.0	NA	NA	NA	Not Recorded*
NGW356/MW-30	1/25/1995	Ethylbenzene	2.6	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW356/MW-30	1/25/1995	Toluene	1.3	640	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW356/MW-30	5/19/1995	Diesel Range Hydrocarbons	1300	500	A	Yes	2.6	NA	NA	NA	Not Recorded*
NGW356/MW-30	9/11/1995	Benzene	1.7	0.8	B, Carc	Yes	2.1	NA	NA	NA	Not Recorded*
NGW356/MW-30	9/11/1995	Diesel Range Hydrocarbons	1100	500	A	Yes	2.2	NA	NA	NA	Not Recorded*
NGW356/MW-30	3/21/1996	Benzene	1.3	0.8	B, Carc	Yes	1.6	NA	NA	NA	Not Recorded*
NGW356/MW-30	3/21/1996	Diesel Range Hydrocarbons	930	500	A	Yes	1.9	NA	NA	NA	Not Recorded*
NGW356/MW-30	9/12/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW356/MW-30	9/12/1996	Diesel Range Hydrocarbons	1700	500	A	Yes	3.4	NA	NA	NA	Not Recorded*
NGW356/MW-30	3/20/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW356/MW-30	3/20/1997	Diesel Range Hydrocarbons	1800	500	A	Yes	3.6	NA	NA	NA	Not Recorded*
NGW356/MW-30	8/28/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW356/MW-30	8/28/1997	Diesel Range Hydrocarbons	2600	500	A	Yes	5.2	NA	NA	NA	Not Recorded*
NGW356/MW-30	7/29/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW356/MW-30	7/29/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW356/MW-30	7/29/1998	Diesel Range Hydrocarbons	1000	500	A	Yes	2.0	NA	NA	NA	Not Recorded*
NGW356/MW-30	7/29/1998	Diesel Range Hydrocarbons	1100	500	A	Yes	2.2	NA	NA	NA	Not Recorded*
NGW356/MW-30	1/21/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW356/MW-30	1/21/1999	Diesel Range Hydrocarbons	600	500	A	Yes	1.2	NA	NA	NA	Not Recorded*
NGW356/MW-30	7/21/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW356/MW-30	7/21/1999	Diesel Range Hydrocarbons	970	500	A	Yes	1.9	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/23/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/23/2000	Diesel Range Hydrocarbons	700	500	A	Yes	1.4	NA	NA	NA	Not Recorded*
NGW356/MW-30	7/26/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW356/MW-30	7/26/2000	Diesel Range Hydrocarbons	750	500	A	Yes	1.5	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/21/2001	Diesel Range Hydrocarbons	1900	500	A	Yes	3.8	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/21/2001	Diesel Range Hydrocarbons	2000	500	A	Yes	4.0	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/21/2001	Jet Fuel A	2100	500	A, Diesel	Yes	4.2	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/21/2001	Jet Fuel A	2200	500	A, Diesel	Yes	4.4	NA	NA	NA	Not Recorded*
NGW356/MW-30	8/14/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW356/MW-30	8/14/2001	Diesel Range Hydrocarbons	1700	500	A	Yes	3.4	NA	NA	NA	Not Recorded*
NGW356/MW-30	8/14/2001	Jet Fuel A	1500	500	A, Diesel	Yes	3.0	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/21/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/21/2002	Diesel Range Hydrocarbons	950	500	A	Yes	1.9	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/21/2002	Jet Fuel A	1000	500	A, Diesel	Yes	2.0	NA	NA	NA	Not Recorded*
NGW356/MW-30	8/15/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW356/MW-30	8/15/2002	Diesel Range Hydrocarbons	1200	500	A	Yes	2.4	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/17/2003	Diesel Range Hydrocarbons	1400	500	A	Yes	2.8	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/17/2003	Jet Fuel A	1200	500	A, Diesel	Yes	2.4	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW356/MW-30	7/10/2003	Diesel Range Hydrocarbons	1200	500	A	Yes	2.4	NA	NA	NA	Not Recorded*
NGW356/MW-30	7/10/2003	Jet Fuel A	1000	500	A, Diesel	Yes	2.0	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/11/2004	Diesel Range Hydrocarbons	810	500	A	Yes	1.6	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/11/2004	Jet Fuel A	770	500	A, Diesel	Yes	1.5	NA	NA	NA	Not Recorded*
NGW356/MW-30	8/6/2004	Diesel Range Hydrocarbons	870	500	A	Yes	1.7	NA	NA	NA	Not Recorded*
NGW356/MW-30	8/6/2004	Jet Fuel A	720	500	A, Diesel	Yes	1.4	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/8/2005	Diesel Range Hydrocarbons	1100	500	A	Yes	2.2	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/8/2005	Jet Fuel A	1000	500	A, Diesel	Yes	2.0	NA	NA	NA	Not Recorded*
NGW356/MW-30	8/19/2005	Diesel Range Hydrocarbons	580	500	A	Yes	1.2	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/20/2006	Diesel Range Hydrocarbons	1200	500	A	Yes	2.4	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/20/2006	Jet Fuel A	1100	500	A, Diesel	Yes	2.2	NA	NA	NA	Not Recorded*
NGW356/MW-30	8/15/2006	Diesel Range Hydrocarbons	580 U	500	A	RLE	1.2	NA	NA	NA	Not Recorded*
NGW356/MW-30	8/15/2006	Jet Fuel A	600 U	500	A, Diesel	RLE	1.2	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/19/2007	Diesel Range Hydrocarbons	620	500	A	Yes	1.2	NA	NA	NA	Not Recorded*
NGW356/MW-30	8/23/2007	Diesel Range Hydrocarbons	800	500	A	Yes	1.6	NA	NA	NA	Not Recorded*
NGW356/MW-30	8/23/2007	Jet Fuel A	810	500	A, Diesel	Yes	1.6	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/20/2008	Diesel Range Hydrocarbons	630	500	A	Yes	1.3	NA	NA	NA	Not Recorded*
NGW356/MW-30	2/20/2008	Jet Fuel A	560	500	A, Diesel	Yes	1.1	NA	NA	NA	Not Recorded*
NGW356/MW-30	8/21/2008	Diesel Range Hydrocarbons	640	500	A	Yes	1.3	NA	NA	NA	Not Recorded*
NGW356/MW-30	8/21/2008	Jet Fuel A	430	500	A, Diesel	No	<1	NA	NA	NA	Not Recorded*
NGW357/MW-31	1/25/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW357/MW-31	1/25/1995	Diesel Range Hydrocarbons	3200	500	A	Yes	6.4	NA	NA	NA	Not Recorded*
NGW357/MW-31	1/25/1995	Xylene, o-	1.8	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW357/MW-31	1/25/1995	Xylenes, m&p-	1.1	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW357/MW-31	5/19/1995	Diesel Range Hydrocarbons	1500	500	A	Yes	3.0	NA	NA	NA	Not Recorded*
NGW357/MW-31	9/12/1995	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW357/MW-31	9/12/1995	Diesel Range Hydrocarbons	3600	500	A	Yes	7.2	NA	NA	NA	Not Recorded*
NGW357/MW-31	9/12/1995	Xylenes, m&p-	1.2	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW357/MW-31	3/21/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW357/MW-31	3/21/1996	Diesel Range Hydrocarbons	1700	500	A	Yes	3.4	NA	NA	NA	Not Recorded*
NGW357/MW-31	3/21/1996	Xylene, o-	4.5	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW357/MW-31	3/21/1996	Xylenes, m&p-	2	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW357/MW-31	9/12/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW357/MW-31	9/12/1996	Diesel Range Hydrocarbons	1100	500	A	Yes	2.2	NA	NA	NA	Not Recorded*
NGW357/MW-31	9/12/1996	Toluene	1	640	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW357/MW-31	3/20/1997	Benzene	5.8	0.8	B, Carc	Yes	7.3	NA	NA	NA	Not Recorded*
NGW357/MW-31	3/20/1997	Diesel Range Hydrocarbons	1100	500	A	Yes	2.2	NA	NA	NA	Not Recorded*
NGW357/MW-31	3/20/1997	Ethylbenzene	3.4	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW357/MW-31	3/20/1997	Xylenes, m&p-	7.8	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW357/MW-31	8/28/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW357/MW-31	8/28/1997	Diesel Range Hydrocarbons	860	500	A	Yes	1.7	NA	NA	NA	Not Recorded*
NGW357/MW-31	7/29/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW357/MW-31	7/29/1998	Diesel Range Hydrocarbons	820	500	A	Yes	1.6	NA	NA	NA	Not Recorded*
NGW357/MW-31	1/21/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW357/MW-31	1/21/1999	Diesel Range Hydrocarbons	720	500	A	Yes	1.4	NA	NA	NA	Not Recorded*
NGW357/MW-31	7/20/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW357/MW-31	7/20/1999	Diesel Range Hydrocarbons	580	500	A	Yes	1.2	NA	NA	NA	Not Recorded*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW357/MW-31	2/23/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW357/MW-31	2/23/2000	Diesel Range Hydrocarbons	990	500	A	Yes	2.0	NA	NA	NA	Not Recorded*
NGW357/MW-31	7/26/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW357/MW-31	7/26/2000	Diesel Range Hydrocarbons	640	500	A	Yes	1.3	NA	NA	NA	Not Recorded*
NGW357/MW-31	2/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW357/MW-31	2/21/2001	Diesel Range Hydrocarbons	2000	500	A	Yes	4.0	NA	NA	NA	Not Recorded*
NGW357/MW-31	2/21/2001	Jet Fuel A	2800	500	A, Diesel	Yes	5.6	NA	NA	NA	Not Recorded*
NGW357/MW-31	8/14/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW357/MW-31	8/14/2001	Diesel Range Hydrocarbons	1500	500	A	Yes	3.0	NA	NA	NA	Not Recorded*
NGW357/MW-31	8/14/2001	Jet Fuel A	1800	500	A, Diesel	Yes	3.6	NA	NA	NA	Not Recorded*
NGW357/MW-31	2/21/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW357/MW-31	2/21/2002	Diesel Range Hydrocarbons	1900	500	A	Yes	3.8	NA	NA	NA	Not Recorded*
NGW357/MW-31	2/21/2002	Jet Fuel A	2200	500	A, Diesel	Yes	4.4	NA	NA	NA	Not Recorded*
NGW357/MW-31	8/15/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW357/MW-31	8/15/2002	Diesel Range Hydrocarbons	850	500	A	Yes	1.7	NA	NA	NA	Not Recorded*
NGW357/MW-31	2/17/2003	Diesel Range Hydrocarbons	1700	500	A	Yes	3.4	NA	NA	NA	Not Recorded*
NGW357/MW-31	2/17/2003	Jet Fuel A	1800	500	A, Diesel	Yes	3.6	NA	NA	NA	Not Recorded*
NGW357/MW-31	7/10/2003	Diesel Range Hydrocarbons	930	500	A	Yes	1.9	NA	NA	NA	Not Recorded*
NGW357/MW-31	7/10/2003	Jet Fuel A	1100	500	A, Diesel	Yes	2.2	NA	NA	NA	Not Recorded*
NGW357/MW-31	2/11/2004	Diesel Range Hydrocarbons	740	500	A	Yes	1.5	NA	NA	NA	Not Recorded*
NGW357/MW-31	2/11/2004	Jet Fuel A	1000	500	A, Diesel	Yes	2.0	NA	NA	NA	Not Recorded*
NGW357/MW-31	8/6/2004	Diesel Range Hydrocarbons	560	500	A	Yes	1.1	NA	NA	NA	Not Recorded*
NGW357/MW-31	8/6/2004	Jet Fuel A	710	500	A, Diesel	Yes	1.4	NA	NA	NA	Not Recorded*
NGW357/MW-31	2/8/2005	Diesel Range Hydrocarbons	680	500	A	Yes	1.4	NA	NA	NA	Not Recorded*
NGW357/MW-31	2/8/2005	Jet Fuel A	880	500	A, Diesel	Yes	1.8	NA	NA	NA	Not Recorded*
NGW357/MW-31	8/19/2005	Diesel Range Hydrocarbons	460	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW357/MW-31	8/19/2005	Jet Fuel A	640	500	A, Diesel	Yes	1.3	NA	NA	NA	Not Recorded*
NGW357/MW-31	2/20/2006	Diesel Range Hydrocarbons	1100	500	A	Yes	2.2	NA	NA	NA	Not Recorded*
NGW357/MW-31	2/20/2006	Jet Fuel A	1200	500	A, Diesel	Yes	2.4	NA	NA	NA	Not Recorded*
NGW357/MW-31	8/15/2006	Diesel Range Hydrocarbons	530	500	A	Yes	1.1	NA	NA	NA	Not Recorded*
NGW357/MW-31	8/15/2006	Jet Fuel A	850	500	A, Diesel	Yes	1.7	NA	NA	NA	Not Recorded*
NGW357/MW-31	2/19/2007	Diesel Range Hydrocarbons	600	500	A	Yes	1.2	NA	NA	NA	Not Recorded*
NGW357/MW-31	2/19/2007	Jet Fuel A	670	500	A, Diesel	Yes	1.3	NA	NA	NA	Not Recorded*
NGW357/MW-31	8/23/2007	Diesel Range Hydrocarbons	500	500	A	No	1.0	NA	NA	NA	Not Recorded*
NGW357/MW-31	8/23/2007	Jet Fuel A	770	500	A, Diesel	Yes	1.5	NA	NA	NA	Not Recorded*
NGW357/MW-31	2/20/2008	Diesel Range Hydrocarbons	810	500	A	Yes	1.6	NA	NA	NA	Not Recorded*
NGW357/MW-31	2/20/2008	Jet Fuel A	1000	500	A, Diesel	Yes	2.0	NA	NA	NA	Not Recorded*
NGW357/MW-31	8/21/2008	Diesel Range Hydrocarbons	350	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW357/MW-31	8/21/2008	Jet Fuel A	410	500	A, Diesel	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	1/25/1995	Benzene	200	0.8	B, Carc	Yes	250.0	NA	NA	NA	Not Recorded*
NGW358/MW-32	1/25/1995	Benzene	210	0.8	B, Carc	Yes	262.5	NA	NA	NA	Not Recorded*
NGW358/MW-32	1/25/1995	Diesel Range Hydrocarbons	14000	500	A	Yes	28	NA	NA	NA	Not Recorded*
NGW358/MW-32	1/25/1995	Ethylbenzene	170	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	1/25/1995	Ethylbenzene	180	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	1/25/1995	Xylenes, m&p-	66	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	1/25/1995	Xylenes, m&p-	68	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	5/18/1995	Diesel Range Hydrocarbons	8000	500	A	Yes	16	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW358/MW-32	9/12/1995	Benzene	160	0.8	B, Carc	Yes	200.0	NA	NA	NA	Not Recorded*
NGW358/MW-32	9/12/1995	Diesel Range Hydrocarbons	20000	500	A	Yes	40	NA	NA	NA	Not Recorded*
NGW358/MW-32	9/12/1995	Ethylbenzene	200	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	9/12/1995	Toluene	1.7	640	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	9/12/1995	Xylene, o-	2.5	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	9/12/1995	Xylenes, m&p-	100	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	3/21/1996	Benzene	100	0.8	B, Carc	Yes	125.0	NA	NA	NA	Not Recorded*
NGW358/MW-32	3/21/1996	Diesel Range Hydrocarbons	3000	500	A	Yes	6.0	NA	NA	NA	Not Recorded*
NGW358/MW-32	3/21/1996	Ethylbenzene	150	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	3/21/1996	Toluene	1.5	640	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	3/21/1996	Xylene, o-	1.4	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	3/21/1996	Xylenes, m&p-	66	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	9/11/1996	Benzene	34	0.8	B, Carc	Yes	42.5	NA	NA	NA	Not Recorded*
NGW358/MW-32	9/11/1996	Diesel Range Hydrocarbons	2900	500	A	Yes	5.8	NA	NA	NA	Not Recorded*
NGW358/MW-32	9/11/1996	Ethylbenzene	98	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	9/11/1996	Xylenes, m&p-	60	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	3/20/1997	Benzene	9.3	0.8	B, Carc	Yes	11.6	NA	NA	NA	Not Recorded*
NGW358/MW-32	3/20/1997	Diesel Range Hydrocarbons	6600	500	A	Yes	13	NA	NA	NA	Not Recorded*
NGW358/MW-32	3/20/1997	Ethylbenzene	59	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	3/20/1997	Xylenes, m&p-	22	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/28/1997	Benzene	6.6	0.8	B, Carc	Yes	8.3	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/28/1997	Diesel Range Hydrocarbons	2500	500	A	Yes	5.0	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/28/1997	Ethylbenzene	52	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/28/1997	Xylene, o-	1.1	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/28/1997	Xylenes, m&p-	31	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	7/29/1998	Benzene	3.9	0.8	B, Carc	Yes	4.9	NA	NA	NA	Not Recorded*
NGW358/MW-32	7/29/1998	Diesel Range Hydrocarbons	3200	500	A	Yes	6.4	NA	NA	NA	Not Recorded*
NGW358/MW-32	7/29/1998	Ethylbenzene	33	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	7/29/1998	Xylene, o-	1.3	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	7/29/1998	Xylenes, m&p-	18	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	1/21/1999	Benzene	1.4	0.8	B, Carc	Yes	1.8	NA	NA	NA	Not Recorded*
NGW358/MW-32	1/21/1999	Diesel Range Hydrocarbons	1100	500	A	Yes	2.2	NA	NA	NA	Not Recorded*
NGW358/MW-32	1/21/1999	Ethylbenzene	12	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	1/21/1999	Xylenes, m&p-	5.9	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	7/21/1999	Benzene	2.2	0.8	B, Carc	Yes	2.8	NA	NA	NA	Not Recorded*
NGW358/MW-32	7/21/1999	Diesel Range Hydrocarbons	460	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	7/21/1999	Ethylbenzene	13	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	7/21/1999	Xylene, o-	1	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	7/21/1999	Xylenes, m&p-	6.5	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/23/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/23/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/23/2000	Diesel Range Hydrocarbons	440	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/23/2000	Diesel Range Hydrocarbons	480	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/23/2000	Ethylbenzene	3.3	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/23/2000	Ethylbenzene	3.5	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/23/2000	Xylenes, m&p-	1.2	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/23/2000	Xylenes, m&p-	1.4	1000	A	No	<1	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW358/MW-32	7/26/2000	Benzene	1.1	0.8	B, Carc	Yes	1.4	NA	NA	NA	Not Recorded*
NGW358/MW-32	7/26/2000	Diesel Range Hydrocarbons	340	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	7/26/2000	Ethylbenzene	13	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	7/26/2000	Xylenes, m&p-	5.6	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/21/2001	Benzene	4.4	0.8	B, Carc	Yes	5.5	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/21/2001	Diesel Range Hydrocarbons	1600	500	A	Yes	3.2	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/21/2001	Ethylbenzene	39	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/21/2001	Jet Fuel A	3400	500	A, Diesel	Yes	6.8	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/21/2001	Xylene, o-	1.6	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/21/2001	Xylenes, m&p-	20	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/14/2001	Benzene	5.2	0.8	B, Carc	Yes	6.5	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/14/2001	Benzene	5.4	0.8	B, Carc	Yes	6.8	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/14/2001	Diesel Range Hydrocarbons	800	500	A	Yes	1.6	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/14/2001	Diesel Range Hydrocarbons	840	500	A	Yes	1.7	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/14/2001	Ethylbenzene	30	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/14/2001	Ethylbenzene	30	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/14/2001	Jet Fuel A	1700	500	A, Diesel	Yes	3.4	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/14/2001	Jet Fuel A	1800	500	A, Diesel	Yes	3.6	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/14/2001	Xylene, o-	1.1	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/14/2001	Xylene, o-	1.1	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/14/2001	Xylenes, m&p-	12	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/14/2001	Xylenes, m&p-	13	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/21/2002	Benzene	3.9	0.8	B, Carc	Yes	4.9	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/21/2002	Diesel Range Hydrocarbons	2600	500	A	Yes	5.2	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/21/2002	Ethylbenzene	32	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/21/2002	Jet Fuel A	4600	500	A, Diesel	Yes	9.2	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/21/2002	Xylene, o-	2	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/21/2002	Xylenes, m&p-	15	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/15/2002	Benzene	5.2	0.8	B, Carc	Yes	6.5	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/15/2002	Diesel Range Hydrocarbons	2000	500	A	Yes	4.0	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/15/2002	Ethylbenzene	36	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/15/2002	Xylenes, m&p-	2.4	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/17/2003	Benzene	3.4	0.8	B, Carc	Yes	4.3	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/17/2003	Benzene	3.5	0.8	B, Carc	Yes	4.4	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/17/2003	Diesel Range Hydrocarbons	3000	500	A	Yes	6.0	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/17/2003	Diesel Range Hydrocarbons	3700	500	A	Yes	7.4	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/17/2003	Ethylbenzene	17	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/17/2003	Ethylbenzene	17	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/17/2003	Jet Fuel A	3700	500	A, Diesel	Yes	7.4	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/17/2003	Jet Fuel A	5000	500	A, Diesel	Yes	10	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/17/2003	Xylenes, m&p-	2.4	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/17/2003	Xylenes, m&p-	2.4	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	7/10/2003	Benzene	5.3	0.8	B, Carc	Yes	6.6	NA	NA	NA	Not Recorded*
NGW358/MW-32	7/10/2003	Diesel Range Hydrocarbons	2100	500	A	Yes	4.2	NA	NA	NA	Not Recorded*
NGW358/MW-32	7/10/2003	Ethylbenzene	13	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	7/10/2003	Jet Fuel A	2800	500	A, Diesel	Yes	5.6	NA	NA	NA	Not Recorded*
NGW358/MW-32	7/10/2003	Xylene, o-	1	1000	A	No	<1	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW358/MW-32	7/10/2003	Xylenes, m&p-	1.9	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/11/2004	Benzene	3.2	0.8	B, Carc	Yes	4.0	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/11/2004	Benzene	3.3	0.8	B, Carc	Yes	4.1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/11/2004	Diesel Range Hydrocarbons	1600	500	A	Yes	3.2	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/11/2004	Diesel Range Hydrocarbons	2100	500	A	Yes	4.2	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/11/2004	Ethylbenzene	4.2	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/11/2004	Ethylbenzene	4.6	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/11/2004	Jet Fuel A	2800	500	A, Diesel	Yes	5.6	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/11/2004	Jet Fuel A	3600	500	A, Diesel	Yes	7.2	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/11/2004	Xylene, o-	1	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/11/2004	Xylene, o-	1.2	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/11/2004	Xylenes, m&p-	1.2	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/11/2004	Xylenes, m&p-	1.6	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/6/2004	Benzene	4.8	0.8	B, Carc	Yes	6.0	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/6/2004	Diesel Range Hydrocarbons	2200	500	A	Yes	4.4	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/6/2004	Ethylbenzene	1.2	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/6/2004	Jet Fuel A	3000	500	A, Diesel	Yes	6.0	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/6/2004	Xylene, o-	1.2	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/8/2005	Benzene	2.4	0.8	B, Carc	Yes	3.0	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/8/2005	Diesel Range Hydrocarbons	5000	500	A	Yes	10	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/8/2005	Ethylbenzene	3.1	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/8/2005	Jet Fuel A	6400	500	A, Diesel	Yes	13	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/8/2005	Xylene, o-	1.3	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/19/2005	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/19/2005	Diesel Range Hydrocarbons	930	500	A	Yes	1.9	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/19/2005	Ethylbenzene	3.9	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/19/2005	Jet Fuel A	1700	500	A, Diesel	Yes	3.4	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/20/2006	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/20/2006	Diesel Range Hydrocarbons	970	500	A	Yes	1.9	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/20/2006	Ethylbenzene	3.4	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/20/2006	Jet Fuel A	1600	500	A, Diesel	Yes	3.2	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/15/2006	Benzene	1	0.8	B, Carc	Yes	1.3	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/15/2006	Jet Fuel A	1100	500	A, Diesel	Yes	2.2	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/15/2006	Toluene	1	640	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/19/2007	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/19/2007	Diesel Range Hydrocarbons	370	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/19/2007	Ethylbenzene	1.6	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/19/2007	Jet Fuel A	780	500	A, Diesel	Yes	1.6	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/23/2007	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/23/2007	Diesel Range Hydrocarbons	320	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/23/2007	Jet Fuel A	740	500	A, Diesel	Yes	1.5	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/20/2008	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/20/2008	Diesel Range Hydrocarbons	850	500	A	Yes	1.7	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/20/2008	Ethylbenzene	1.4	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	2/20/2008	Jet Fuel A	1300	500	A, Diesel	Yes	2.6	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/21/2008	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/21/2008	Diesel Range Hydrocarbons	690	500	A	Yes	1.4	NA	NA	NA	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW358/MW-32	8/21/2008	Ethylbenzene	1.9	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW358/MW-32	8/21/2008	Jet Fuel A	980	500	A, Diesel	Yes	2.0	NA	NA	NA	Not Recorded*
NGW359/MW-33	1/25/1995	Benzene	24	0.8	B, Carc	Yes	30.0	NA	NA	NA	Not Recorded*
NGW359/MW-33	1/25/1995	Diesel Range Hydrocarbons	9100	500	A	Yes	18	NA	NA	NA	Not Recorded*
NGW359/MW-33	1/25/1995	Ethylbenzene	39	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW359/MW-33	1/25/1995	Toluene	1.4	640	B, NC	No	<1	NA	NA	NA	Not Recorded*
NGW359/MW-33	1/25/1995	Xylene, o-	8	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW359/MW-33	1/25/1995	Xylenes, m&p-	60	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW359/MW-33	5/18/1995	Diesel Range Hydrocarbons	81000	500	A	Yes	162	NA	NA	NA	Not Recorded*
NGW359/MW-33	9/12/1995	Benzene	10	0.8	B, Carc	Yes	12.5	NA	NA	NA	Not Recorded*
NGW359/MW-33	9/12/1995	Diesel Range Hydrocarbons	46000	500	A	Yes	92	NA	NA	NA	Not Recorded*
NGW359/MW-33	9/12/1995	Ethylbenzene	17	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW359/MW-33	9/12/1995	Xylene, o-	1.2	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW359/MW-33	9/12/1995	Xylenes, m&p-	25	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW359/MW-33	3/21/1996	Benzene	3.3	0.8	B, Carc	Yes	4.1	NA	NA	NA	Not Recorded*
NGW359/MW-33	3/21/1996	Diesel Range Hydrocarbons	28000	500	A	Yes	56	NA	NA	NA	Not Recorded*
NGW359/MW-33	3/21/1996	Ethylbenzene	2.5	700	A	No	<1	NA	NA	NA	Not Recorded*
NGW359/MW-33	3/21/1996	Xylenes, m&p-	2	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW359/MW-33	9/11/1996	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW359/MW-33	9/11/1996	Diesel Range Hydrocarbons	10000	500	A	Yes	20	NA	NA	NA	Not Recorded*
NGW359/MW-33	9/11/1996	Xylenes, m&p-	5.4	1000	A	No	<1	NA	NA	NA	Not Recorded*
NGW359/MW-33	3/20/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW359/MW-33	3/20/1997	Diesel Range Hydrocarbons	19000	500	A	Yes	38	NA	NA	NA	Not Recorded*
NGW359/MW-33	8/28/1997	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW359/MW-33	8/28/1997	Diesel Range Hydrocarbons	13000	500	A	Yes	26	NA	NA	NA	Not Recorded*
NGW359/MW-33	7/29/1998	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW359/MW-33	7/29/1998	Diesel Range Hydrocarbons	580	500	A	Yes	1.2	NA	NA	NA	Not Recorded*
NGW359/MW-33	1/21/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW359/MW-33	1/21/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW359/MW-33	1/21/1999	Diesel Range Hydrocarbons	340	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW359/MW-33	7/21/1999	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW359/MW-33	2/23/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW359/MW-33	2/23/2000	Diesel Range Hydrocarbons	400	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW359/MW-33	7/26/2000	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW359/MW-33	2/21/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW359/MW-33	2/21/2001	Jet Fuel A	500	500	A, Diesel	No	1.0	NA	NA	NA	Not Recorded*
NGW359/MW-33	8/14/2001	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW359/MW-33	8/14/2001	Diesel Range Hydrocarbons	270	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW359/MW-33	2/21/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW359/MW-33	2/21/2002	Diesel Range Hydrocarbons	330	500	A	No	<1	NA	NA	NA	Not Recorded*
NGW359/MW-33	8/15/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
NGW359/MW-33	8/15/2002	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
<b>Concourse B</b>											
B4	7/25/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SECOR 10/3/96*
B4	7/25/1996	1,1,2-Trichloro-1,2,2-trifluoroethane	23	240000	B, NC	No	<1	NA	NA	NA	SECOR 10/3/96*
B4	7/25/1996	2,4,6-Trichlorophenol	5 U	4	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
B4	7/25/1996	2,4-Dimethylphenol	3 U	160	B, NC	No	<1	2.0	RLE	1.5	Not Recorded*

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
B4	7/25/1996	3,3'-Dichlorobenzidine	5 U	0.19	B, Carc	RLE	26	NA	NA	NA	Not Recorded*
B4	7/25/1996	Aluminum	469000	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Arsenic	140	0.058	B, Carc	Yes	2414	370	No	<1	SECOR 10/3/96*
B4	7/25/1996	Barium	1570	3200	B, NC	No	<1	NA	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Benzene	0.5 U	0.8	B, Carc	RLE	0.6	NA	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Benzo(a)anthracene	1 U	NA	NA	NA	NA	0.63	RLE	1.6	Not Recorded*
B4	7/25/1996	Benzo(a)pyrene	1 U	0.012	B, Carc	RLE	83	0.27	RLE	3.7	Not Recorded*
B4	7/25/1996	Benzo(b)fluoranthene	1 U	NA	NA	NA	NA	0.56	RLE	1.8	Not Recorded*
B4	7/25/1996	Benzo(g,h,i)perylene	1 U	NA	NA	NA	NA	0.029	RLE	34	Not Recorded*
B4	7/25/1996	Benzo(k)fluoranthene	1 U	NA	NA	NA	NA	0.57	RLE	1.8	Not Recorded*
B4	7/25/1996	Benzoic Acid	20	64000	B, NC	No	<1	2200	No	<1	Not Recorded*
B4	7/25/1996	Beryllium	10	32	B, NC	No	<1	NA	NA	NA	SECOR 10/3/96*
B4	7/25/1996	bis(2-chloroethyl)ether	2 U	0.04	B, Carc	RLE	50	NA	NA	NA	Not Recorded*
B4	7/25/1996	bis(2-Ethylhexyl)phthalate	2	6.3	B, Carc	No	<1	0.47	Yes	4.3	Not Recorded*
B4	7/25/1996	Bismuth	290	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Cadmium	10	5	A	Yes	2.0	3.4	Yes	2.9	SECOR 10/3/96*
B4	7/25/1996	Calcium	94820	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Chromium	700	50	A	Yes	14	320	Yes	2.2	SECOR 10/3/96*
B4	7/25/1996	Cobalt	210	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Copper	1660	590	B, NC	Yes	2.8	120	Yes	14	SECOR 10/3/96*
B4	7/25/1996	Dibenz(a,h)anthracene	1 U	NA	NA	NA	NA	0.013	RLE	77	Not Recorded*
B4	7/25/1996	Hexachlorobenzene	1 U	0.055	B, Carc	RLE	18	0.029	RLE	34	Not Recorded*
B4	7/25/1996	Hexachlorobutadiene	2 U	0.56	B, Carc	RLE	3.6	6.2	No	<1	Not Recorded*
B4	7/25/1996	Indeno(1,2,3-cd)pyrene	1 U	NA	NA	NA	NA	0.033	RLE	30	Not Recorded*
B4	7/25/1996	Iron	325900	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Lead	320	15	A	Yes	21	13	Yes	25	SECOR 10/3/96*
B4	7/25/1996	Magnesium	52830	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Manganese	3960	2200	B, NC	Yes	1.8	NA	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Mercury	50 U	2	A	RLE	25	0.0074	RLE	6757	SECOR 10/3/96*
B4	7/25/1996	Nickel	340	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Pentachlorophenol	5 U	0.73	B, Carc	RLE	6.8	10	No	<1	Not Recorded*
B4	7/25/1996	Selenium	290	80	B, NC	Yes	3.6	NA	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Silver	10 U	80	B, NC	No	<1	1.5	RLE	6.7	SECOR 10/3/96*
B4	7/25/1996	Sodium	167300	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Tetrachloroethene	18	0.081	B, Carc	Yes	222	NA	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Total Petroleum Hydrocarbons	2000 U	500	A	RLE	4.0	NA	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Trichloroethene	1 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Vanadium	1980	110	B, NC	Yes	18	NA	NA	NA	SECOR 10/3/96*
B4	7/25/1996	Zinc	2850	4800	B, NC	No	<1	76	Yes	38	SECOR 10/3/96*
B8	7/25/1996	1,1,2,2-Tetrachloroethane	1 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	SECOR 10/3/96*
B8	7/25/1996	1,1,2-Trichloro-1,2,2-trifluoroethane	19	240000	B, NC	No	<1	NA	NA	NA	SECOR 10/3/96*
B8	7/25/1996	2,4,6-Trichlorophenol	5 U	4	B, Carc	RLE	1.3	NA	NA	NA	Not Recorded*
B8	7/25/1996	2,4-Dimethylphenol	3 U	160	B, NC	No	<1	2.0	RLE	1.5	Not Recorded*
B8	7/25/1996	3,3'-Dichlorobenzidine	5 U	0.19	B, Carc	RLE	26	NA	NA	NA	Not Recorded*
B8	7/25/1996	Aluminum	743200	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
B8	7/25/1996	Arsenic	200	0.058	B, Carc	Yes	3448	370	No	<1	SECOR 10/3/96*
B8	7/25/1996	Barium	3000	3200	B, NC	No	<1	NA	NA	NA	SECOR 10/3/96*



**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
B8	7/25/1996	Benzene	0.5 U	0.8	B, Carc	RLE	0.6	NA	NA	NA	SECOR 10/3/96*
B8	7/25/1996	Benzo(a)anthracene	1 U	NA	NA	NA	NA	0.63	RLE	1.6	Not Recorded*
B8	7/25/1996	Benzo(a)pyrene	1 U	0.012	B, Carc	RLE	83	0.27	RLE	3.7	Not Recorded*
B8	7/25/1996	Benzo(b)fluoranthene	1 U	NA	NA	NA	NA	0.56	RLE	1.8	Not Recorded*
B8	7/25/1996	Benzo(g,h,i)perylene	1 U	NA	NA	NA	NA	0.029	RLE	34	Not Recorded*
B8	7/25/1996	Benzo(k)fluoranthene	1 U	NA	NA	NA	NA	0.57	RLE	1.8	Not Recorded*
B8	7/25/1996	Benzoic Acid	26	64000	B, NC	No	<1	2200	No	<1	Not Recorded*
B8	7/25/1996	Beryllium	20	32	B, NC	No	<1	NA	NA	NA	SECOR 10/3/96*
B8	7/25/1996	bis(2-chloroethyl)ether	2 U	0.04	B, Carc	RLE	50	NA	NA	NA	Not Recorded*
<b>B8</b>	<b>7/25/1996</b>	<b>bis(2-Ethylhexyl)phthalate</b>	<b>3.9</b>	<b>6.3</b>	<b>B, Carc</b>	<b>No</b>	<b>&lt;1</b>	<b>0.47</b>	<b>Yes</b>	<b>8.3</b>	<b>Not Recorded*</b>
B8	7/25/1996	Bismuth	470	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
<b>B8</b>	<b>7/25/1996</b>	<b>Cadmium</b>	<b>20</b>	<b>5</b>	<b>A</b>	<b>Yes</b>	<b>4.0</b>	<b>3.4</b>	<b>Yes</b>	<b>5.9</b>	<b>SECOR 10/3/96*</b>
B8	7/25/1996	Calcium	237200	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
<b>B8</b>	<b>7/25/1996</b>	<b>Chromium</b>	<b>1260</b>	<b>50</b>	<b>A</b>	<b>Yes</b>	<b>25</b>	<b>320</b>	<b>Yes</b>	<b>3.9</b>	<b>SECOR 10/3/96*</b>
B8	7/25/1996	Cobalt	400	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
<b>B8</b>	<b>7/25/1996</b>	<b>Copper</b>	<b>2080</b>	<b>590</b>	<b>B, NC</b>	<b>Yes</b>	<b>3.5</b>	<b>120</b>	<b>Yes</b>	<b>17</b>	<b>SECOR 10/3/96*</b>
B8	7/25/1996	Dibenz(a,h)anthracene	1 U	NA	NA	NA	NA	0.013	RLE	77	Not Recorded*
B8	7/25/1996	Diethylphthalate	2	13000	B, NC	No	<1	870	No	<1	Not Recorded*
B8	7/25/1996	Dimethylphthalate	1.9	16000	B, NC	No	<1	140	No	<1	Not Recorded*
B8	7/25/1996	Di-n-butylphthalate	1.8	NA	NA	NA	NA	1200	No	<1	Not Recorded*
B8	7/25/1996	FOG	10000	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
B8	7/25/1996	Hexachlorobenzene	1 U	0.055	B, Carc	RLE	18	0.029	RLE	34	Not Recorded*
B8	7/25/1996	Hexachlorobutadiene	2 U	0.56	B, Carc	RLE	3.6	6.2	No	<1	Not Recorded*
B8	7/25/1996	Indeno(1,2,3-cd)pyrene	1 U	NA	NA	NA	NA	0.033	RLE	30	Not Recorded*
B8	7/25/1996	Iron	442300	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
<b>B8</b>	<b>7/25/1996</b>	<b>Lead</b>	<b>460</b>	<b>15</b>	<b>A</b>	<b>Yes</b>	<b>31</b>	<b>13</b>	<b>Yes</b>	<b>35</b>	<b>SECOR 10/3/96*</b>
B8	7/25/1996	Magnesium	66630	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
<b>B8</b>	<b>7/25/1996</b>	<b>Manganese</b>	<b>8240</b>	<b>2200</b>	<b>B, NC</b>	<b>Yes</b>	<b>3.7</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>SECOR 10/3/96*</b>
<b>B8</b>	<b>7/25/1996</b>	<b>Mercury</b>	<b>50</b>	<b>2</b>	<b>A</b>	<b>Yes</b>	<b>25</b>	<b>0.0074</b>	<b>Yes</b>	<b>6757</b>	<b>SECOR 10/3/96*</b>
B8	7/25/1996	Nickel	790	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
B8	7/25/1996	Pentachlorophenol	5 U	0.73	B, Carc	RLE	6.8	10	No	<1	Not Recorded*
<b>B8</b>	<b>7/25/1996</b>	<b>Selenium</b>	<b>370</b>	<b>80</b>	<b>B, NC</b>	<b>Yes</b>	<b>4.6</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>SECOR 10/3/96*</b>
B8	7/25/1996	Silver	10 U	80	B, NC	No	<1	1.5	RLE	6.7	SECOR 10/3/96*
B8	7/25/1996	Sodium	120100	NA	NA	NA	NA	NA	NA	NA	SECOR 10/3/96*
<b>B8</b>	<b>7/25/1996</b>	<b>Tetrachloroethene</b>	<b>1</b>	<b>0.081</b>	<b>B, Carc</b>	<b>Yes</b>	<b>12</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>SECOR 10/3/96*</b>
B8	7/25/1996	Toluene	1	640	B, NC	No	<1	NA	NA	NA	SECOR 10/3/96*
<b>B8</b>	<b>7/25/1996</b>	<b>Total Petroleum Hydrocarbons</b>	<b>5000</b>	<b>500</b>	<b>A</b>	<b>Yes</b>	<b>10</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>SECOR 10/3/96*</b>
<b>B8</b>	<b>7/25/1996</b>	<b>Trichloroethene</b>	<b>51</b>	<b>0.49</b>	<b>B, Carc</b>	<b>Yes</b>	<b>104</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>SECOR 10/3/96*</b>
B8	7/25/1996	Vanadium	2170	110	B, NC	Yes	20	NA	NA	NA	SECOR 10/3/96*
<b>B8</b>	<b>7/25/1996</b>	<b>Zinc</b>	<b>13350</b>	<b>4800</b>	<b>B, NC</b>	<b>Yes</b>	<b>2.8</b>	<b>76</b>	<b>Yes</b>	<b>176</b>	<b>SECOR 10/3/96*</b>

Notes:

ug/L - micrograms per liter

GW - groundwater

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

MTCA Cleanup Levels

**Table E-2**  
**North Boeing Field - Central Area**  
**Chemicals Detected in Groundwater Plus Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
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A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

RLE - Reporting limit exceeds MTCA Cleanup Level and/or Groundwater-to-Sediment Screening Level; analyte not detected.

Groundwater-to-Sediment Screening Levels

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the groundwater-to-sediment screening level.

RLE - Reporting limit exceeds MTCA Cleanup Level and/or Groundwater-to-Sediment Screening Level; analyte not detected.

Data Qualifiers

B - Indicates the analyte was detected in the associated laboratory method blank

E - Indicates that the value exceeded the linear range of the laboratory equipment

J - Estimated value between the laboratory reporting limit and the method detection limit

M - Indicates an estimated value of the analyte was found and confirmed by analyst, but with low spectral match parameters

U - Analyte not detected, number is the detection limit

UJ - Analyte not detected, number is the estimated detection limit

**Appendix F**  
**North Boeing Field**  
**Southern Area**

**Soil and Groundwater Data**



**Table F-1**  
**North Boeing Field - Southern Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
<b>UBF-61</b>													
Bottom	10/2/1989	8.0	Benzene	0.008	0.03	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
Bottom	10/2/1989	8.0	Ethylbenzene	0.035	6	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
Bottom	10/2/1989	8.0	Toluene	0.09	7	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
Bottom	10/2/1989	8.0	Xylenes, total	0.38	9	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
E-Side	10/2/1989	6.0	Benzene	0.0012	0.03	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
E-Side	10/2/1989	6.0	Ethylbenzene	0.0022	6	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
E-Side	10/2/1989	6.0	Toluene	0.0045	7	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
E-Side	10/2/1989	6.0	Xylenes, total	0.046	9	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
N-Side	10/2/1989	7.0	Benzene	0.0008 M	0.03	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
N-Side	10/2/1989	7.0	Ethylbenzene	0.0034	6	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
N-Side	10/2/1989	7.0	Toluene	0.0028	7	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
N-Side	10/2/1989	7.0	Xylenes, total	0.018	9	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
W-Side	10/2/1989	6.5	Xylenes, total	0.0006 M	9	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
<b>Former Buildings 3-830, 3-831, 3-832</b>													
B-1	10/25/1989	10.0	Methylene Chloride	0.0054 B	0.02	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/22/90
B-1	10/25/1989	10.0	Toluene	0.001 J	7	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/22/90
B-1	10/25/1989	10.0	Mercury	0.06 U	2	A	No	<1	0.030	S	RLE	2.0	Hart Crowser 8/22/90
B-1	10/25/1989	10.0	Chromium	16.0	19	A, Chromium VI	No	<1	270	S	No	<1	Hart Crowser 8/22/90
B-1	10/25/1989	10.0	Acetone	0.022	8000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 8/22/90
B-1	10/25/1989	10.0	Barium	55.2	16000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 8/22/90
B-1	10/25/1989	10.0	Arsenic	5.6	0.67	B, Carc	Yes	8.4	590	S	No	<1	Hart Crowser 8/22/90
B-2	10/25/1989	10.0	Toluene	0.0006 M	7	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/22/90
B-2	10/25/1989	10.0	Mercury	0.07	2	A	No	<1	0.030	S	Yes	2.3	Hart Crowser 8/22/90
B-2	10/25/1989	10.0	Chromium	19.8	19	A, Chromium VI	No	1.0	270	S	No	<1	Hart Crowser 8/22/90
B-2	10/25/1989	10.0	Lead	6	1000	A	No	<1	67	S	No	<1	Hart Crowser 8/22/90
B-2	10/25/1989	10.0	Acetone	0.045	8000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 8/22/90
B-2	10/25/1989	10.0	Barium	69.0	16000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 8/22/90
B-2	10/25/1989	10.0	Methylene Chloride	0.049 B	0.02	A	Yes	2.5	NA	NA	NA	NA	Hart Crowser 8/22/90
B-2	10/25/1989	10.0	Arsenic	19.6	0.67	B, Carc	Yes	29	590	S	No	<1	Hart Crowser 8/22/90
MW-1	11/8/1989	7.5	Methylene Chloride	0.0019 J, B	0.02	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/22/90
MW-1	11/8/1989	7.5	MEK (2-Butanone)	0.002 M	48000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 8/22/90
MW-1	11/8/1989	7.5	Acetone	0.021	8000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 8/22/90
MW-2	11/8/1989	7.5	Methylene Chloride	0.0019 J, B	0.02	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/22/90
MW-2	11/8/1989	7.5	MEK (2-Butanone)	0.005 M	48000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 8/22/90
MW-2	11/8/1989	7.5	Acetone	0.042	8000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 8/22/90
MW-3	11/8/1989	7.5	Methylene Chloride	0.0015 J, B	0.02	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/22/90
MW-3	11/8/1989	7.5	MEK (2-Butanone)	0.0062 M	48000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 8/22/90
MW-3	11/8/1989	7.5	Acetone	0.048	8000	B, NC	No	<1	NA	NA	NA	NA	Hart Crowser 8/22/90
SB-83001-0025	1/9/1997	2.5	Total Petroleum Hydrocarbons	13	2000	A	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83001-0070	1/9/1997	7	Total Petroleum Hydrocarbons	23	2000	A	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83002-0070	1/9/1997	7	Total Petroleum Hydrocarbons	19	2000	A	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83003-0025	1/9/1997	2.5	Total Petroleum Hydrocarbons	17	2000	A	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83008-0070	1/9/1997	7	Acetone	0.16	8000	B, NC	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83008-0070	1/9/1997	7	Acetone	0.16	8000	B, NC	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83008-0070	1/9/1997	7	Carbon Disulfide	0.0016	8000	B, NC	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83008-0070	1/9/1997	7	Carbon Disulfide	0.0016	8000	B, NC	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83008-0070	1/9/1997	7	MEK (2-Butanone)	0.033	48000	B, NC	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83008-0070	1/9/1997	7	MEK (2-Butanone)	0.033	48000	B, NC	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83009-0025	1/9/1997	2.5	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0021	2400000	B, NC	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83009-0025	1/9/1997	2.5	Heavy Oil Range Hydrocarbons	51	2000	A	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83009-0070	1/9/1997	7	Acetone	0.093	8000	B, NC	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83009-0070	1/9/1997	7	Acetone	0.093	8000	B, NC	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83009-0070	1/9/1997	7	MEK (2-Butanone)	0.017	48000	B, NC	No	<1	NA	NA	NA	NA	Weston 2/1997*

**Table F-1**  
**North Boeing Field - Southern Area**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
SB-83009-0070	1/9/1997	7	MEK (2-Butanone)	0.017	48000	B, NC	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83010-0070	1/9/1997	7	Acetone	0.17	8000	B, NC	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83010-0070	1/9/1997	7	Acetone	0.17	8000	B, NC	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83010-0070	1/9/1997	7	Carbon Disulfide	0.0019	8000	B, NC	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83010-0070	1/9/1997	7	Carbon Disulfide	0.0019	8000	B, NC	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83010-0070	1/9/1997	7	MEK (2-Butanone)	0.032	48000	B, NC	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83010-0070	1/9/1997	7	MEK (2-Butanone)	0.032	48000	B, NC	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83005-0010	1/10/1997	1	Aroclor 1254	0.065	1.6	B, NC	No	<1	1.3	V	No	<1	Weston 2/1997*
SB-83005-0010	1/10/1997	1	PCB, total	0.065	0.5	B, Carc	No	<1	1.3	V	No	<1	Weston 2/1997*
SB-83005-0010	1/10/1997	1	Total Petroleum Hydrocarbons	68	2000	A	No	<1	NA	NA	NA	NA	Weston 2/1997*
SB-83005-0025	1/10/1997	2.5	Aroclor 1260	0.1	NA	NA	NA	NA	1.3	V	No	<1	Weston 2/1997*
SB-83005-0025	1/10/1997	2.5	PCB, total	0.1	0.5	B, Carc	No	<1	1.3	V	No	<1	Weston 2/1997*
SB-83005-0025	1/10/1997	2.5	Total Petroleum Hydrocarbons	22	2000	A	No	<1	NA	NA	NA	NA	Weston 2/1997*
<b>UBF-40</b>													
Bottom	9/14/1989	6.5	Benzene	0.0012	0.03	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
Bottom	9/14/1989	6.5	Ethylbenzene	0.0012	6	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
Bottom	9/14/1989	6.5	Toluene	0.0012	7	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
Bottom	9/14/1989	6.5	Xylenes, total	0.0024	9	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
E-Side	9/14/1989	4.0	Toluene	0.0011	7	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
E-Side	9/14/1989	4.0	Xylenes, total	0.0066	9	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
S-Side	9/14/1989	4.5	Toluene	0.0022	7	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
S-Side	9/14/1989	4.5	Xylenes, total	0.0066	9	A	No	<1	NA	NA	NA	NA	Hart Crowser 8/7/90
<b>Building 3-840</b>													
G-5.5	11/21/1991		Total Petroleum Hydrocarbons	7	2000	A	No	<1	NA	NA	NA	NA	GTI 3/9/92*
MW2-12	11/21/1991	12	1,2-Dichlorobenzene	0.005 U	7200	B, NC	No	<1	0.0038	S	RLE	1.3	GTI 3/9/92*
COMP1	11/22/1991		Total Petroleum Hydrocarbons	5	2000	A	No	<1	NA	NA	NA	NA	GTI 3/9/92*
CDMP2	11/22/1991		Total Petroleum Hydrocarbons	11	2000	A	No	<1	NA	NA	NA	NA	GTI 3/9/92*

Notes:

feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

Soil samples from areas that have been excavated are not included in the table.

MTCA Cleanup Levels

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

RLE - Reporting limit exceeds MTCA Cleanup Level and/or Soil-to-Sediment Screening Level; analyte not detected.

Soil-to-Sediment Screening Levels

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the soil-to-sediment screening level.

Data Qualifiers

B - Indicates the analyte was detected in the associated laboratory method blank

J - Estimated value between the laboratory reporting limit and the method detection limit

M - Indicates an estimated value of the analyte was found and confirmed by analyst, but with low spectral match parameters

U - Analyte not detected, number is the detection limit



**Table F-2**  
**North Boeing Field - Southern Area**  
**Chemicals Detected in Groundwater and Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
<i>Former Buildings 3-830, 3-831, 3-832</i>											
MW-1	11/9/1989	1,1,2,2-Tetrachloroethane	1.0 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Hart Crowser 8/22/90
MW-1	11/9/1989	1,1,2-Trichloroethane	1.0 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 8/22/90
MW-1	11/9/1989	1,2-Dichloroethane	1.0 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Hart Crowser 8/22/90
MW-1	11/9/1989	1,2-Dichloropropane	1.0 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 8/22/90
MW-1	11/9/1989	Acetone	7.9	800	B, NC	No	<1	NA	NA	NA	Hart Crowser 8/22/90
MW-1	11/9/1989	Benzene	1.2 M	0.8	B, Carc	Yes	1.5	NA	NA	NA	Hart Crowser 8/22/90
MW-1	11/9/1989	Bromodichloromethane	1.0 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Hart Crowser 8/22/90
MW-1	11/9/1989	Carbon Tetrachloride	1.0 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 8/22/90
MW-1	11/9/1989	Chloromethane	5.0 U	3.4	B, Carc	RLE	1.5	NA	NA	NA	Hart Crowser 8/22/90
MW-1	11/9/1989	cis-1,2-Dichloroethene	1.5	80	B, NC	No	<1	NA	NA	NA	Hart Crowser 8/22/90
MW-1	11/9/1989	Dibromochloromethane	1.0 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Hart Crowser 8/22/90
MW-1	11/9/1989	Tetrachloroethene	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 8/22/90
MW-1	11/9/1989	Toluene	1.7	640	B, NC	No	<1	NA	NA	NA	Hart Crowser 8/22/90
MW-1	11/9/1989	Trichloroethene	1.0 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Hart Crowser 8/22/90
MW-1	11/9/1989	Vinyl Chloride	3.0 U	0.029	B, Carc	RLE	103	NA	NA	NA	Hart Crowser 8/22/90
MW-1	11/9/1989	Xylenes, total	1.1	1000	A	No	<1	NA	NA	NA	Hart Crowser 8/22/90
MW-2	11/9/1989	1,1,2,2-Tetrachloroethane	1.0 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Hart Crowser 8/22/90
MW-2	11/9/1989	1,1,2-Trichloroethane	1.0 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 8/22/90
MW-2	11/9/1989	1,2-Dichloroethane	1.0 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Hart Crowser 8/22/90
MW-2	11/9/1989	1,2-Dichloropropane	1.0 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 8/22/90
MW-2	11/9/1989	Acetone	12	800	B, NC	No	<1	NA	NA	NA	Hart Crowser 8/22/90
MW-2	11/9/1989	Benzene	2.4	0.8	B, Carc	Yes	3.0	NA	NA	NA	Hart Crowser 8/22/90
MW-2	11/9/1989	Bromodichloromethane	1.0 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Hart Crowser 8/22/90
MW-2	11/9/1989	Carbon Tetrachloride	1.0 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 8/22/90
MW-2	11/9/1989	Chloroform	0.4 M	7.2	B, Carc	No	<1	NA	NA	NA	Hart Crowser 8/22/90
MW-2	11/9/1989	Chloromethane	5.0 U	3.4	B, Carc	RLE	1.5	NA	NA	NA	Hart Crowser 8/22/90
MW-2	11/9/1989	Dibromochloromethane	1.0 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Hart Crowser 8/22/90
MW-2	11/9/1989	Tetrachloroethene	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 8/22/90
MW-2	11/9/1989	Toluene	3.7	640	B, NC	No	<1	NA	NA	NA	Hart Crowser 8/22/90
MW-2	11/9/1989	Trichloroethene	1.0 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Hart Crowser 8/22/90
MW-2	11/9/1989	Vinyl Chloride	3.0 U	0.029	B, Carc	RLE	103	NA	NA	NA	Hart Crowser 8/22/90
MW-2	11/9/1989	Xylenes, total	2.2	1000	A	No	<1	NA	NA	NA	Hart Crowser 8/22/90
MW-3	11/9/1989	1,1,2,2-Tetrachloroethane	1.0 U	0.22	B, Carc	RLE	4.5	NA	NA	NA	Hart Crowser 8/22/90
MW-3	11/9/1989	1,1,2-Trichloroethane	1.0 U	0.77	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 8/22/90
MW-3	11/9/1989	1,2-Dichloroethane	1.0 U	0.48	B, Carc	RLE	2.1	NA	NA	NA	Hart Crowser 8/22/90
MW-3	11/9/1989	1,2-Dichloropropane	1.0 U	0.64	B, Carc	RLE	1.6	NA	NA	NA	Hart Crowser 8/22/90
MW-3	11/9/1989	Acetone	13	800	B, NC	No	<1	NA	NA	NA	Hart Crowser 8/22/90
MW-3	11/9/1989	Benzene	1.0 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Hart Crowser 8/22/90
MW-3	11/9/1989	Bromodichloromethane	1.0 U	0.71	B, Carc	RLE	1.4	NA	NA	NA	Hart Crowser 8/22/90
MW-3	11/9/1989	Carbon Tetrachloride	1.0 U	0.34	B, Carc	RLE	2.9	NA	NA	NA	Hart Crowser 8/22/90
MW-3	11/9/1989	Chloromethane	5.0 U	3.4	B, Carc	RLE	1.5	NA	NA	NA	Hart Crowser 8/22/90
MW-3	11/9/1989	cis-1,2-Dichloroethene	1.0 J	80	B, NC	No	<1	NA	NA	NA	Hart Crowser 8/22/90
MW-3	11/9/1989	Dibromochloromethane	1.0 U	0.52	B, Carc	RLE	1.9	NA	NA	NA	Hart Crowser 8/22/90
MW-3	11/9/1989	Methylene Chloride	1.5 B	5	A	No	<1	NA	NA	NA	Hart Crowser 8/22/90
MW-3	11/9/1989	Tetrachloroethene	1.0 U	0.081	B, Carc	RLE	12	NA	NA	NA	Hart Crowser 8/22/90
MW-3	11/9/1989	Toluene	0.6 M	640	B, NC	No	<1	NA	NA	NA	Hart Crowser 8/22/90

**Table F-2**  
**North Boeing Field - Southern Area**  
**Chemicals Detected in Groundwater and Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
MW-3	11/9/1989	Trichloroethene	1.0 U	0.49	B, Carc	RLE	2.0	NA	NA	NA	Hart Crowser 8/22/90
MW-3	11/9/1989	Vinyl Chloride	3.0 U	0.029	B, Carc	RLE	103	NA	NA	NA	Hart Crowser 8/22/90
MW-3	11/9/1989	Xylenes, total	0.6 M	1000	A	No	<1	NA	NA	NA	Hart Crowser 8/22/90
<b>Building 3-840</b>											
NGW401/MW-1	12/2/1991	1,1,2,2-Tetrachloroethane	5 U	0.22	B, Carc	RLE	23	NA	NA	NA	GTI 3/9/92*
NGW401/MW-1	12/2/1991	1,1,2-Trichloroethane	5 U	0.77	B, Carc	RLE	6.5	NA	NA	NA	GTI 3/9/92*
NGW401/MW-1	12/2/1991	1,2-Dichloroethane	5 U	0.48	B, Carc	RLE	10	NA	NA	NA	GTI 3/9/92*
NGW401/MW-1	12/2/1991	1,2-Dichloropropane	5 U	0.64	B, Carc	RLE	7.8	NA	NA	NA	GTI 3/9/92*
NGW401/MW-1	12/2/1991	1,4-Dichlorobenzene	5 U	1.8	B, Carc	RLE	2.8	21	No	<1	GTI 3/9/92*
NGW401/MW-1	12/2/1991	Arsenic	100 U	0.058	B, Carc	RLE	1724	370	No	<1	GTI 3/9/92*
NGW401/MW-1	12/2/1991	Barium	16	3200	B, NC	No	<1	NA	NA	NA	GTI 3/9/92*
NGW401/MW-1	12/2/1991	Benzene	5 U	0.8	B, Carc	RLE	6.3	NA	NA	NA	GTI 3/9/92*
NGW401/MW-1	12/2/1991	Bromodichloromethane	5 U	0.71	B, Carc	RLE	7.0	NA	NA	NA	GTI 3/9/92*
NGW401/MW-1	12/2/1991	Cadmium	20 U	5	A	RLE	4.0	3.4	RLE	5.9	GTI 3/9/92*
NGW401/MW-1	12/2/1991	Carbon Tetrachloride	5 U	0.34	B, Carc	RLE	15	NA	NA	NA	GTI 3/9/92*
NGW401/MW-1	12/2/1991	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	GTI 3/9/92*
NGW401/MW-1	12/2/1991	Dibromochloromethane	5 U	0.52	B, Carc	RLE	9.6	NA	NA	NA	GTI 3/9/92*
NGW401/MW-1	12/2/1991	Lead	50 U	15	A	RLE	3.3	13	RLE	3.8	GTI 3/9/92*
NGW401/MW-1	12/2/1991	Mercury	0.2 U	2	A	No	<1	0.0074	RLE	27	GTI 3/9/92*
NGW401/MW-1	12/2/1991	Selenium	100 U	80	B, NC	RLE	1.3	NA	NA	NA	GTI 3/9/92*
NGW401/MW-1	12/2/1991	Silver	50 U	80	B, NC	No	<1	1.5	RLE	33	GTI 3/9/92*
NGW401/MW-1	12/2/1991	Styrene	5 U	1.5	B, Carc	RLE	3.3	NA	NA	NA	GTI 3/9/92*
NGW401/MW-1	12/2/1991	Tetrachloroethene	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	GTI 3/9/92*
NGW401/MW-1	12/2/1991	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	GTI 3/9/92*
NGW401/MW-1	12/2/1991	Trichloroethene	5 U	0.49	B, Carc	RLE	10	NA	NA	NA	GTI 3/9/92*
NGW401/MW-1	12/2/1991	Vinyl Chloride	10 U	0.029	B, Carc	RLE	345	NA	NA	NA	GTI 3/9/92*
NGW402/MW-2	12/2/1991	1,1,2,2-Tetrachloroethane	5 U	0.22	B, Carc	RLE	23	NA	NA	NA	GTI 3/9/92*
NGW402/MW-2	12/2/1991	1,1,2-Trichloroethane	5 U	0.77	B, Carc	RLE	6.5	NA	NA	NA	GTI 3/9/92*
NGW402/MW-2	12/2/1991	1,2-Dichloroethane	5 U	0.48	B, Carc	RLE	10	NA	NA	NA	GTI 3/9/92*
NGW402/MW-2	12/2/1991	1,2-Dichloropropane	5 U	0.64	B, Carc	RLE	7.8	NA	NA	NA	GTI 3/9/92*
NGW402/MW-2	12/2/1991	1,4-Dichlorobenzene	5 U	1.8	B, Carc	RLE	2.8	21	No	<1	GTI 3/9/92*
NGW402/MW-2	12/2/1991	Arsenic	100 U	0.058	B, Carc	RLE	1724	370	No	<1	GTI 3/9/92*
NGW402/MW-2	12/2/1991	Benzene	5 U	0.8	B, Carc	RLE	6.3	NA	NA	NA	GTI 3/9/92*
NGW402/MW-2	12/2/1991	Bromodichloromethane	5 U	0.71	B, Carc	RLE	7.0	NA	NA	NA	GTI 3/9/92*
NGW402/MW-2	12/2/1991	Cadmium	20 U	5	A	RLE	4.0	3.4	RLE	5.9	GTI 3/9/92*
NGW402/MW-2	12/2/1991	Carbon Tetrachloride	5 U	0.34	B, Carc	RLE	15	NA	NA	NA	GTI 3/9/92*
NGW402/MW-2	12/2/1991	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	GTI 3/9/92*
NGW402/MW-2	12/2/1991	Dibromochloromethane	5 U	0.52	B, Carc	RLE	9.6	NA	NA	NA	GTI 3/9/92*
NGW402/MW-2	12/2/1991	Lead	50 U	15	A	RLE	3.3	13	RLE	3.8	GTI 3/9/92*
NGW402/MW-2	12/2/1991	Mercury	0.2 U	2	A	No	<1	0.0074	RLE	27	GTI 3/9/92*
NGW402/MW-2	12/2/1991	Selenium	100 U	80	B, NC	RLE	1.3	NA	NA	NA	GTI 3/9/92*
NGW402/MW-2	12/2/1991	Silver	50 U	80	B, NC	No	<1	1.5	RLE	33	GTI 3/9/92*
NGW402/MW-2	12/2/1991	Styrene	5 U	1.5	B, Carc	RLE	3.3	NA	NA	NA	GTI 3/9/92*
NGW402/MW-2	12/2/1991	Tetrachloroethene	6.4	0.081	B, Carc	Yes	79	NA	NA	NA	GTI 3/9/92*
NGW402/MW-2	12/2/1991	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	GTI 3/9/92*
NGW402/MW-2	12/2/1991	Trichloroethene	5 U	0.49	B, Carc	RLE	10	NA	NA	NA	GTI 3/9/92*
NGW402/MW-2	12/2/1991	Vinyl Chloride	10 U	0.029	B, Carc	RLE	345	NA	NA	NA	GTI 3/9/92*

**Table F-2**  
**North Boeing Field - Southern Area**  
**Chemicals Detected in Groundwater and Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NGW402/MW-2	1/8/1992	Tetrachloroethene	6.1	0.081	B, Carc	Yes	75	NA	NA	NA	GTI 3/9/92*
NGW403/MW-3	12/2/1991	1,1,2,2-Tetrachloroethane	5 U	0.22	B, Carc	RLE	23	NA	NA	NA	GTI 3/9/92*
NGW403/MW-3	12/2/1991	1,1,2-Trichloroethane	5 U	0.77	B, Carc	RLE	6.5	NA	NA	NA	GTI 3/9/92*
NGW403/MW-3	12/2/1991	1,2-Dichloroethane	5 U	0.48	B, Carc	RLE	10	NA	NA	NA	GTI 3/9/92*
NGW403/MW-3	12/2/1991	1,2-Dichloropropane	5 U	0.64	B, Carc	RLE	7.8	NA	NA	NA	GTI 3/9/92*
NGW403/MW-3	12/2/1991	1,4-Dichlorobenzene	5 U	1.8	B, Carc	RLE	2.8	21	No	<1	GTI 3/9/92*
NGW403/MW-3	12/2/1991	Arsenic	100 U	0.058	B, Carc	RLE	1724	370	No	<1	GTI 3/9/92*
NGW403/MW-3	12/2/1991	Benzene	5 U	0.8	B, Carc	RLE	6.3	NA	NA	NA	GTI 3/9/92*
NGW403/MW-3	12/2/1991	Bromodichloromethane	5 U	0.71	B, Carc	RLE	7.0	NA	NA	NA	GTI 3/9/92*
NGW403/MW-3	12/2/1991	Cadmium	20 U	5	A	RLE	4.0	3.4	RLE	5.9	GTI 3/9/92*
NGW403/MW-3	12/2/1991	Carbon Tetrachloride	5 U	0.34	B, Carc	RLE	15	NA	NA	NA	GTI 3/9/92*
NGW403/MW-3	12/2/1991	Chloromethane	10 U	3.4	B, Carc	RLE	2.9	NA	NA	NA	GTI 3/9/92*
NGW403/MW-3	12/2/1991	Dibromochloromethane	5 U	0.52	B, Carc	RLE	9.6	NA	NA	NA	GTI 3/9/92*
NGW403/MW-3	12/2/1991	Lead	50 U	15	A	RLE	3.3	13	RLE	3.8	GTI 3/9/92*
NGW403/MW-3	12/2/1991	Mercury	0.2 U	2	A	No	<1	0.0074	RLE	27	GTI 3/9/92*
NGW403/MW-3	12/2/1991	Selenium	100 U	80	B, NC	RLE	1.3	NA	NA	NA	GTI 3/9/92*
NGW403/MW-3	12/2/1991	Silver	50 U	80	B, NC	No	<1	1.5	RLE	33	GTI 3/9/92*
NGW403/MW-3	12/2/1991	Styrene	5 U	1.5	B, Carc	RLE	3.3	NA	NA	NA	GTI 3/9/92*
NGW403/MW-3	12/2/1991	Tetrachloroethene	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	GTI 3/9/92*
NGW403/MW-3	12/2/1991	Total Petroleum Hydrocarbons	1000 U	500	A	RLE	2.0	NA	NA	NA	GTI 3/9/92*
NGW403/MW-3	12/2/1991	Trichloroethene	5 U	0.49	B, Carc	RLE	10	NA	NA	NA	GTI 3/9/92*
NGW403/MW-3	12/2/1991	Vinyl Chloride	10 U	0.029	B, Carc	RLE	345	NA	NA	NA	GTI 3/9/92*

Notes:

ug/L - micrograms per liter

GW - groundwater

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

MTCA Cleanup Levels

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

RLE - Reporting limit exceeds MTCA Cleanup Level and/or Groundwater-to-Sediment Screening Level; analyte not detected.

**Table F-2  
North Boeing Field - Southern Area  
Chemicals Detected in Groundwater and Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to- Sediment Screening Level (ug/L)	GW-to- Sediment Screening Level Exceedence	GW-to- Sediment Screening Level Exceedence Factor	Source
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Groundwater-to-Sediment Screening Levels

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

RLE - Reporting limit exceeds MTCA Cleanup Level and/or Groundwater-to-Sediment Screening Level; analyte not detected.

Data Qualifiers

B - Indicates the analyte was detected in the associated laboratory method blank

J - Estimated value between the laboratory reporting limit and the method detection limit

M - Indicates an estimated value of the analyte was found and confirmed by analyst, but with low spectral match parameters

U - Analyte not detected, number is the detection limit

## **Appendix G North Boeing Field**

### **Storm Drain Solids Data**

**Note: The data in this table has not yet undergone internal QA and may be incomplete or contain errors.**





**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
CB1	N	11/17/2006	Aroclor 1248	0.13	3.22	4.0	12	65	mg/kg-oc	0.3	0.1	no data
CB1	N	11/17/2006	Aroclor 1254	0.32	3.22	9.9	12	65	mg/kg-oc	0.8	0.2	no data
CB1	N	11/17/2006	Aroclor 1260	0.12	3.22	3.7	12	65	mg/kg-oc	0.3	0.1	no data
CB1	N	11/17/2006	PCB, total	0.57	3.22	17.7	12	65	mg/kg-oc	1.5	0.3	no data
CB102		8/12/1998	Aroclor 1254	0.58	3.22	18.0	12	65	mg/kg-oc	1.5	0.3	PCB Report
CB102		8/12/1998	Aroclor 1260	0.52	3.22	16.1	12	65	mg/kg-oc	1.3	0.2	PCB Report
CB102		8/12/1998	PCB, total	1.1	3.22	34.2	12	65	mg/kg-oc	2.8	0.5	PCB Report
CB102		4/24/2000	Aroclor 1254	0.342	3.22	10.6	12	65	mg/kg-oc	0.9	0.2	PCB Report
CB102		4/24/2000	Aroclor 1260	0.349	3.22	10.8	12	65	mg/kg-oc	0.9	0.2	PCB Report
CB102		4/24/2000	PCB, total	0.691	3.22	21.5	12	65	mg/kg-oc	1.8	0.3	PCB Report
CB106	D2	8/12/1998	Aroclor 1254	0.24	3.22	7.5	12	65	mg/kg-oc	0.6	0.1	PCB Report
CB106	D2	8/12/1998	Aroclor 1260	0.12	3.22	3.7	12	65	mg/kg-oc	0.3	0.1	PCB Report
CB106	D2	8/12/1998	PCB, total	0.36	3.22	11.2	12	65	mg/kg-oc	0.9	0.2	PCB Report
CB106	D2	8/14/2000	Aroclor 1254	2	3.22	62.1	12	65	mg/kg-oc	5.2	1.0	PCB Report
CB106	D2	8/14/2000	Aroclor 1260	1.7	3.22	52.8	12	65	mg/kg-oc	4.4	0.8	PCB Report
CB106	D2	8/14/2000	PCB, total	3.7	3.22	114.9	12	65	mg/kg-oc	9.6	1.8	PCB Report
CB106	D2	11/18/2008	Aroclor 1254	0.044	3.22	1.4	12	65	mg/kg-oc	0.1	0.0	Document 2348
CB106	D2	11/18/2008	PCB, total	0.044	3.22	1.4	12	65	mg/kg-oc	0.1	0.0	Document 2348
CB107A	NC	8/18/1998	Aroclor 1254	0.21	3.22	6.5	12	65	mg/kg-oc	0.5	0.1	PCB Report
CB107A	NC	8/18/1998	Aroclor 1260	0.079	3.22	2.5	12	65	mg/kg-oc	0.2	0.0	PCB Report
CB107A	NC	8/18/1998	PCB, total	0.289	3.22	9.0	12	65	mg/kg-oc	0.7	0.1	PCB Report
CB107A	NC	12/30/2008	Aroclor 1254	0.058	3.22	1.8	12	65	mg/kg-oc	0.2	0.0	Document 2499
CB107A	NC	12/30/2008	PCB, total	0.058	3.22	1.8	12	65	mg/kg-oc	0.2	0.0	Document 2499
CB113	N	7/7/2000	Aroclor 1254	19.1185	3.22	593.7	12	65	mg/kg-oc	49.5	9.1	PCB Report
CB113	N	7/7/2000	Aroclor 1260	12.5358	3.22	389.3	12	65	mg/kg-oc	32.4	6.0	PCB Report
CB113	N	7/7/2000	PCB, total	31.654	3.22	983.0	12	65	mg/kg-oc	81.9	15.1	PCB Report
CB113	N	9/26/2005	Aroclor 1254	16	3.22	496.9	12	65	mg/kg-oc	41.4	7.6	no data
CB113	N	9/26/2005	Aroclor 1260	12	3.22	372.7	12	65	mg/kg-oc	31.1	5.7	no data
CB113	N	9/26/2005	PCB, total	28	3.22	869.6	12	65	mg/kg-oc	72.5	13.4	no data
CB113	N	3/13/2007	Aroclor 1254	4.6	3.22	142.9	12	65	mg/kg-oc	11.9	2.2	no data
CB113	N	3/13/2007	Aroclor 1260	3.4	3.22	105.6	12	65	mg/kg-oc	8.8	1.6	no data
CB113	N	3/13/2007	PCB, total	8	3.22	248.4	12	65	mg/kg-oc	20.7	3.8	no data
CB114	N	7/15/1992	Aroclor 1254	0.42	3.22	13.0	12	65	mg/kg-oc	1.1	0.2	PCB Report
CB114	N	7/15/1992	Aroclor 1260	1.2	3.22	37.3	12	65	mg/kg-oc	3.1	0.6	PCB Report
CB114	N	7/15/1992	PCB, total	1.62	3.22	50.3	12	65	mg/kg-oc	4.2	0.8	PCB Report
CB114	N	8/11/1998	Aroclor 1260	0.53	3.22	16.5	12	65	mg/kg-oc	1.4	0.3	PCB Report
CB114	N	8/11/1998	PCB, total	0.53	3.22	16.5	12	65	mg/kg-oc	1.4	0.3	PCB Report
CB114	N	5/1/2000	Aroclor 1260	0.517	3.22	16.1	12	65	mg/kg-oc	1.3	0.2	PCB Report
CB114	N	5/1/2000	PCB, total	0.517	3.22	16.1	12	65	mg/kg-oc	1.3	0.2	PCB Report
CB114	N	9/26/2005	Aroclor 1254	0.26	3.22	8.1	12	65	mg/kg-oc	0.7	0.1	no data
CB114	N	9/26/2005	Aroclor 1260	0.61	3.22	18.9	12	65	mg/kg-oc	1.6	0.3	no data
CB114	N	9/26/2005	PCB, total	0.87	3.22	27.0	12	65	mg/kg-oc	2.3	0.4	no data
CB120A		5/1/2000	Aroclor 1260	1.778	3.22	55.2	12	65	mg/kg-oc	4.6	0.8	PCB Report
CB120A		5/1/2000	PCB, total	1.778	3.22	55.2	12	65	mg/kg-oc	4.6	0.8	PCB Report
CB120B		8/11/1998	Aroclor 1254	0.13	3.22	4.0	12	65	mg/kg-oc	0.3	0.1	PCB Report

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
CB120B		8/11/1998	Aroclor 1260	0.028	J 3.22	0.9	12	65	mg/kg-oc	0.1	0.0	PCB Report
CB120B		8/11/1998	PCB, total	0.158	3.22	4.9	12	65	mg/kg-oc	0.4	0.1	PCB Report
CB126		9/19/1997	Aroclor 1254	0.14	3.22	4.3	12	65	mg/kg-oc	0.4	0.1	PCB Report
CB126		9/19/1997	PCB, total	0.14	3.22	4.3	12	65	mg/kg-oc	0.4	0.1	PCB Report
CB126		8/11/1998	Aroclor 1254	0.23	3.22	7.1	12	65	mg/kg-oc	0.6	0.1	PCB Report
CB126		8/11/1998	Aroclor 1260	0.21	3.22	6.5	12	65	mg/kg-oc	0.5	0.1	PCB Report
CB126		8/11/1998	PCB, total	0.44	3.22	13.7	12	65	mg/kg-oc	1.1	0.2	PCB Report
CB126		5/1/2000	Aroclor 1260	0.612	3.22	19.0	12	65	mg/kg-oc	1.6	0.3	PCB Report
CB126		5/1/2000	PCB, total	0.612	3.22	19.0	12	65	mg/kg-oc	1.6	0.3	PCB Report
CB1303		4/12/2000	Aroclor 1254	0.966	3.22	30.0	12	65	mg/kg-oc	2.5	0.5	PCB Report
CB1303		4/12/2000	Aroclor 1260	0.724	3.22	22.5	12	65	mg/kg-oc	1.9	0.3	PCB Report
CB1303		4/12/2000	PCB, total	1.69	3.22	52.5	12	65	mg/kg-oc	4.4	0.8	PCB Report
CB1307		4/11/2000	Aroclor 1254	0.743	3.22	23.1	12	65	mg/kg-oc	1.9	0.4	PCB Report
CB1307		4/11/2000	Aroclor 1260	0.705	3.22	21.9	12	65	mg/kg-oc	1.8	0.3	PCB Report
CB1307		4/11/2000	PCB, total	1.448	3.22	45.0	12	65	mg/kg-oc	3.7	0.7	PCB Report
CB1308		4/12/2000	Aroclor 1254	0.733	3.22	22.8	12	65	mg/kg-oc	1.9	0.4	PCB Report
CB1308		4/12/2000	Aroclor 1260	0.746	3.22	23.2	12	65	mg/kg-oc	1.9	0.4	PCB Report
CB1308		4/12/2000	PCB, total	1.479	3.22	45.9	12	65	mg/kg-oc	3.8	0.7	PCB Report
CB1308		6/3/2000	Aroclor 1254	0.705	3.22	21.9	12	65	mg/kg-oc	1.8	0.3	PCB Report
CB1308		6/3/2000	Aroclor 1260	0.802	3.22	24.9	12	65	mg/kg-oc	2.1	0.4	PCB Report
CB1308		6/3/2000	PCB, total	1.507	3.22	46.8	12	65	mg/kg-oc	3.9	0.7	PCB Report
CB131		8/10/1998	Aroclor 1254	11	3.22	341.6	12	65	mg/kg-oc	28.5	5.3	PCB Report
CB131		8/10/1998	Aroclor 1260	1.5	3.22	46.6	12	65	mg/kg-oc	3.9	0.7	PCB Report
CB131		8/10/1998	PCB, total	12.5	3.22	388.2	12	65	mg/kg-oc	32.3	6.0	PCB Report
CB131		8/16/2000	Aroclor 1254	2.7	3.22	83.9	12	65	mg/kg-oc	7.0	1.3	PCB Report
CB131		8/16/2000	Aroclor 1260	3	3.22	93.2	12	65	mg/kg-oc	7.8	1.4	PCB Report
CB131		8/16/2000	PCB, total	5.7	3.22	177.0	12	65	mg/kg-oc	14.8	2.7	PCB Report
CB1313		6/4/2000	Aroclor 1254	0.231	3.22	7.2	12	65	mg/kg-oc	0.6	0.1	PCB Report
CB1313		6/4/2000	Aroclor 1260	0.331	3.22	10.3	12	65	mg/kg-oc	0.9	0.2	PCB Report
CB1313		6/4/2000	PCB, total	0.562	3.22	17.5	12	65	mg/kg-oc	1.5	0.3	PCB Report
CB133B		7/7/2000	Aroclor 1254	0.8004	3.22	24.9	12	65	mg/kg-oc	2.1	0.4	PCB Report
CB133B		7/7/2000	Aroclor 1260	0.889	3.22	27.6	12	65	mg/kg-oc	2.3	0.4	PCB Report
CB133B		7/7/2000	PCB, total	1.689	3.22	52.5	12	65	mg/kg-oc	4.4	0.8	PCB Report
CB134		8/19/2000	Aroclor 1254	1.6	3.22	49.7	12	65	mg/kg-oc	4.1	0.8	PCB Report
CB134		8/20/2000	Aroclor 1260	3.1	3.22	96.3	12	65	mg/kg-oc	8.0	1.5	PCB Report
CB134		8/22/2000	PCB, total	4.7	3.22	146.0	12	65	mg/kg-oc	12.2	2.2	PCB Report
CB135		8/10/1998	Aroclor 1254	1.4	3.22	43.5	12	65	mg/kg-oc	3.6	0.7	PCB Report
CB135		8/10/1998	Aroclor 1260	0.73	3.22	22.7	12	65	mg/kg-oc	1.9	0.3	PCB Report
CB135		8/10/1998	PCB, total	2.13	3.22	66.1	12	65	mg/kg-oc	5.5	1.0	PCB Report
CB136		8/16/2000	Aroclor 1254	0.44	3.22	13.7	12	65	mg/kg-oc	1.1	0.2	PCB Report
CB136		8/16/2000	Aroclor 1260	0.5	3.22	15.5	12	65	mg/kg-oc	1.3	0.2	PCB Report
CB136		8/16/2000	PCB, total	0.94	3.22	29.2	12	65	mg/kg-oc	2.4	0.4	PCB Report
CB137A		8/16/2000	Aroclor 1254	0.92	3.22	28.6	12	65	mg/kg-oc	2.4	0.4	PCB Report
CB137A		8/16/2000	Aroclor 1260	0.78	3.22	24.2	12	65	mg/kg-oc	2.0	0.4	PCB Report
CB137A		8/16/2000	PCB, total	1.7	3.22	52.8	12	65	mg/kg-oc	4.4	0.8	PCB Report

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
CB141		8/16/2000	Aroclor 1254	0.95	3.22	29.5	12	65	mg/kg-oc	2.5	0.5	PCB Report
CB141		8/16/2000	Aroclor 1260	1.7	3.22	52.8	12	65	mg/kg-oc	4.4	0.8	PCB Report
CB141		8/16/2000	PCB, total	2.6	3.22	80.7	12	65	mg/kg-oc	6.7	1.2	PCB Report
CB142B		8/16/2000	Aroclor 1254	1.1	3.22	34.2	12	65	mg/kg-oc	2.8	0.5	PCB Report
CB142B		8/16/2000	Aroclor 1260	1.6	3.22	49.7	12	65	mg/kg-oc	4.1	0.8	PCB Report
CB142B		8/16/2000	PCB, total	2.7	3.22	83.9	12	65	mg/kg-oc	7.0	1.3	PCB Report
CB149		9/23/1997	Aroclor 1254	0.43	3.22	13.4	12	65	mg/kg-oc	1.1	0.2	PCB Report
CB149		9/23/1997	PCB, total	0.43	3.22	13.4	12	65	mg/kg-oc	1.1	0.2	PCB Report
CB149		8/10/1998	Aroclor 1254	0.94	3.22	29.2	12	65	mg/kg-oc	2.4	0.4	PCB Report
CB149		8/10/1998	Aroclor 1260	0.52	3.22	16.1	12	65	mg/kg-oc	1.3	0.2	PCB Report
CB149		8/10/1998	PCB, total	1.46	3.22	45.3	12	65	mg/kg-oc	3.8	0.7	PCB Report
CB149		6/29/2000	Aroclor 1254	1.6	3.22	49.7	12	65	mg/kg-oc	4.1	0.8	PCB Report
CB149		6/29/2000	Aroclor 1260	2.21	3.22	68.6	12	65	mg/kg-oc	5.7	1.1	PCB Report
CB149		6/29/2000	PCB, total	3.81	3.22	118.3	12	65	mg/kg-oc	9.9	1.8	PCB Report
CB152		8/10/1998	Aroclor 1254	1.5	3.22	46.6	12	65	mg/kg-oc	3.9	0.7	PCB Report
CB152		8/10/1998	Aroclor 1254	1.6	3.22	49.7	12	65	mg/kg-oc	4.1	0.8	PCB Report
CB152		8/10/1998	Aroclor 1260	0.14	3.22	4.3	12	65	mg/kg-oc	0.4	0.1	PCB Report
CB152		8/10/1998	Aroclor 1260	0.17	3.22	5.3	12	65	mg/kg-oc	0.4	0.1	PCB Report
CB152		8/10/1998	PCB, total	1.64	3.22	50.9	12	65	mg/kg-oc	4.2	0.8	PCB Report
CB152		8/10/1998	PCB, total	1.77	3.22	55.0	12	65	mg/kg-oc	4.6	0.8	PCB Report
CB154	N	5/15/2007	Aroclor 1254	0.42	3.22	13.0	12	65	mg/kg-oc	1.1	0.2	no data
CB154	N	5/15/2007	Aroclor 1260	0.28	3.22	8.7	12	65	mg/kg-oc	0.7	0.1	no data
CB154	N	5/15/2007	PCB, total	0.7	3.22	21.7	12	65	mg/kg-oc	1.8	0.3	no data
CB154A	N	5/14/2007	Aroclor 1254	0.2	3.22	6.2	12	65	mg/kg-oc	0.5	0.1	no data
CB154A	N	5/14/2007	Aroclor 1260	0.23	3.22	7.1	12	65	mg/kg-oc	0.6	0.1	no data
CB154A	N	5/14/2007	PCB, total	0.43	3.22	13.4	12	65	mg/kg-oc	1.1	0.2	no data
CB165	N	3/13/2007	Aroclor 1248	2.5	3.22	77.6	12	65	mg/kg-oc	6.5	1.2	no data
CB165	N	3/13/2007	Aroclor 1254	3.2	3.22	99.4	12	65	mg/kg-oc	8.3	1.5	no data
CB165	N	3/13/2007	PCB, total	5.7	3.22	177.0	12	65	mg/kg-oc	14.8	2.7	no data
CB165	N	11/18/2008	Aroclor 1248	0.23	3.22	7.1	12	65	mg/kg-oc	0.6	0.1	Document 2348
CB165	N	11/18/2008	Aroclor 1254	0.48	3.22	14.9	12	65	mg/kg-oc	1.2	0.2	Document 2348
CB165	N	11/18/2008	Mercury	2.4			0.41	0.59	mg/kg-dw	5.9	4.1	Document 2348
CB165	N	11/18/2008	PCB, total	0.71	3.22	22.0	12	65	mg/kg-oc	1.8	0.3	Document 2348
CB167	N	3/13/2007	Aroclor 1248	5.6	3.22	173.9	12	65	mg/kg-oc	14.5	2.7	no data
CB167	N	3/13/2007	Aroclor 1254	6.2	3.22	192.5	12	65	mg/kg-oc	16.0	3.0	no data
CB167	N	3/13/2007	PCB, total	11.8	3.22	366.5	12	65	mg/kg-oc	30.5	5.6	no data
CB167	N	11/18/2008	Aroclor 1248	0.39	3.22	12.1	12	65	mg/kg-oc	1.0	0.2	Document 2348
CB167	N	11/18/2008	Aroclor 1254	0.42	3.22	13.0	12	65	mg/kg-oc	1.1	0.2	Document 2348
CB167	N	11/18/2008	Mercury	0.59			0.41	0.59	mg/kg-dw	1.4	1.0	Document 2348
CB167	N	11/18/2008	PCB, total	0.81	3.22	25.2	12	65	mg/kg-oc	2.1	0.4	Document 2348
CB173	N	9/22/1997	Aroclor 1254	33	3.22	1024.8	12	65	mg/kg-oc	85.4	15.8	PCB Report
CB173	N	9/22/1997	PCB, total	33	3.22	1024.8	12	65	mg/kg-oc	85.4	15.8	PCB Report
CB173	N	9/26/2005	Aroclor 1254	740	3.22	22981.4	12	65	mg/kg-oc	1915.1	353.6	no data
CB173	N	9/26/2005	PCB, total	1310	3.22	40683.2	12	65	mg/kg-oc	3390.3	625.9	no data
CB173	N	10/24/2005	Aroclor 1248	87	3.22	2701.9	12	65	mg/kg-oc	225.2	41.6	no data

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
CB173	N	10/24/2005	Aroclor 1248	200	3.22	6211.2	12	65	mg/kg-oc	517.6	95.6	no data
CB173	N	10/24/2005	Aroclor 1254	160	3.22	4968.9	12	65	mg/kg-oc	414.1	76.4	no data
CB173	N	10/24/2005	Aroclor 1254	200	3.22	6211.2	12	65	mg/kg-oc	517.6	95.6	no data
CB173	N	10/24/2005	PCB, total	247	3.22	7670.8	12	65	mg/kg-oc	639.2	118.0	no data
CB173	N	10/24/2005	PCB, total	400	3.22	12422.4	12	65	mg/kg-oc	1035.2	191.1	no data
CB173	N	3/21/2006	Aroclor 1254	110	3.22	3416.1	12	65	mg/kg-oc	284.7	52.6	no data
CB173	N	3/21/2006	PCB, total	110	3.22	3416.1	12	65	mg/kg-oc	284.7	52.6	no data
CB173	N	4/26/2006	Aroclor 1248	14	3.22	434.8	12	65	mg/kg-oc	36.2	6.7	no data
CB173	N	4/26/2006	Aroclor 1254	15	3.22	465.8	12	65	mg/kg-oc	38.8	7.2	no data
CB173	N	4/26/2006	PCB, total	29	3.22	900.6	12	65	mg/kg-oc	75.1	13.9	no data
CB173	N	5/30/2006	Aroclor 1248	60	3.22	1863.4	12	65	mg/kg-oc	155.3	28.7	no data
CB173	N	5/30/2006	Aroclor 1254	62	3.22	1925.5	12	65	mg/kg-oc	160.5	29.6	no data
CB173	N	5/30/2006	PCB, total	122	3.22	3788.8	12	65	mg/kg-oc	315.7	58.3	no data
CB173	N	6/22/2006	Aroclor 1248	13	3.22	403.7	12	65	mg/kg-oc	33.6	6.2	no data
CB173	N	6/22/2006	Aroclor 1254	13	3.22	403.7	12	65	mg/kg-oc	33.6	6.2	no data
CB173	N	6/22/2006	PCB, total	26	3.22	807.5	12	65	mg/kg-oc	67.3	12.4	no data
CB173	N	12/8/2006	Aroclor 1248	20	3.22	621.1	12	65	mg/kg-oc	51.8	9.6	no data
CB173	N	12/8/2006	Aroclor 1254	20	3.22	621.1	12	65	mg/kg-oc	51.8	9.6	no data
CB173	N	12/8/2006	Aroclor 1260	3.2	3.22	99.4	12	65	mg/kg-oc	8.3	1.5	no data
CB173	N	12/8/2006	PCB, total	43.2	3.22	1341.6	12	65	mg/kg-oc	111.8	20.6	no data
CB173	N	3/13/2007	Aroclor 1248	22	3.22	683.2	12	65	mg/kg-oc	56.9	10.5	no data
CB173	N	3/13/2007	Aroclor 1254	61	3.22	1894.4	12	65	mg/kg-oc	157.9	29.1	no data
CB173	N	3/13/2007	Aroclor 1260	11	3.22	341.6	12	65	mg/kg-oc	28.5	5.3	no data
CB173	N	3/13/2007	PCB, total	94	3.22	2919.3	12	65	mg/kg-oc	243.3	44.9	no data
CB174	N	10/24/2005	Aroclor 1248	5.8	3.22	180.1	12	65	mg/kg-oc	15.0	2.8	no data
CB174	N	10/24/2005	Aroclor 1254	6	3.22	186.3	12	65	mg/kg-oc	15.5	2.9	no data
CB174	N	10/24/2005	Aroclor 1260	1.9	3.22	59.0	12	65	mg/kg-oc	4.9	0.9	no data
CB174	N	10/24/2005	PCB, total	13.7	3.22	425.5	12	65	mg/kg-oc	35.5	6.5	no data
CB174	N	12/8/2006	Aroclor 1248	1.3	3.22	40.4	12	65	mg/kg-oc	3.4	0.6	no data
CB174	N	12/8/2006	Aroclor 1254	5.6	3.22	173.9	12	65	mg/kg-oc	14.5	2.7	no data
CB174	N	12/8/2006	Aroclor 1260	2.1	3.22	65.2	12	65	mg/kg-oc	5.4	1.0	no data
CB174	N	12/8/2006	PCB, total	9	3.22	279.5	12	65	mg/kg-oc	23.3	4.3	no data
CB174	N	3/13/2007	Aroclor 1248	1.1	3.22	34.2	12	65	mg/kg-oc	2.8	0.5	no data
CB174	N	3/13/2007	Aroclor 1254	4	3.22	124.2	12	65	mg/kg-oc	10.4	1.9	no data
CB174	N	3/13/2007	Aroclor 1260	2.1	3.22	65.2	12	65	mg/kg-oc	5.4	1.0	no data
CB174	N	3/13/2007	PCB, total	7.2	3.22	223.6	12	65	mg/kg-oc	18.6	3.4	no data
CB174A	N	10/24/2005	Aroclor 1254	7.2	3.22	223.6	12	65	mg/kg-oc	18.6	3.4	no data
CB174A	N	10/24/2005	PCB, total	7.2	3.22	223.6	12	65	mg/kg-oc	18.6	3.4	no data
CB174A	N	3/13/2007	Aroclor 1254	0.72	3.22	22.4	12	65	mg/kg-oc	1.9	0.3	no data
CB174A	N	3/13/2007	PCB, total	0.72	3.22	22.4	12	65	mg/kg-oc	1.9	0.3	no data
CB175	N	10/24/2005	Aroclor 1248	1.2	3.22	37.3	12	65	mg/kg-oc	3.1	0.6	no data
CB175	N	10/24/2005	Aroclor 1254	1.3	3.22	40.4	12	65	mg/kg-oc	3.4	0.6	no data
CB175	N	10/24/2005	Aroclor 1260	0.38	3.22	11.8	12	65	mg/kg-oc	1.0	0.2	no data
CB175	N	10/24/2005	PCB, total	2.88	3.22	89.4	12	65	mg/kg-oc	7.5	1.4	no data
CB175	N	4/26/2006	Aroclor 1248	1.1	3.22	34.2	12	65	mg/kg-oc	2.8	0.5	no data

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
CB175	N	4/26/2006	Aroclor 1254	2.1	3.22	65.2	12	65	mg/kg-oc	5.4	1.0	no data
CB175	N	4/26/2006	PCB, total	3.2	3.22	99.4	12	65	mg/kg-oc	8.3	1.5	no data
CB180		7/16/1992	Aroclor 1254	1.7	3.22	52.8	12	65	mg/kg-oc	4.4	0.8	PCB Report
CB180		7/16/1992	PCB, total	1.7	3.22	52.8	12	65	mg/kg-oc	4.4	0.8	PCB Report
CB180		10/18/1996	Aroclor 1254	4.5	3.22	139.8	12	65	mg/kg-oc	11.6	2.2	PCB Report
CB180		10/18/1996	Aroclor 1260	1.3	3.22	40.4	12	65	mg/kg-oc	3.4	0.6	PCB Report
CB180		10/18/1996	PCB, total	5.8	3.22	180.1	12	65	mg/kg-oc	15.0	2.8	PCB Report
CB181B	N	12/8/2006	Aroclor 1248	8.2	3.22	254.7	12	65	mg/kg-oc	21.2	3.9	no data
CB181B	N	12/8/2006	Aroclor 1254	8.8	3.22	273.3	12	65	mg/kg-oc	22.8	4.2	no data
CB181B	N	12/8/2006	PCB, total	17	3.22	528.0	12	65	mg/kg-oc	44.0	8.1	no data
CB181B	N	3/13/2007	Aroclor 1248	18	3.22	559.0	12	65	mg/kg-oc	46.6	8.6	no data
CB181B	N	3/13/2007	Aroclor 1254	20	3.22	621.1	12	65	mg/kg-oc	51.8	9.6	no data
CB181B	N	3/13/2007	Aroclor 1260	3.3	3.22	102.5	12	65	mg/kg-oc	8.5	1.6	no data
CB181B	N	3/13/2007	PCB, total	41.3	3.22	1282.6	12	65	mg/kg-oc	106.9	19.7	no data
CB182	N	7/16/1992	Aroclor 1254	19	3.22	590.1	12	65	mg/kg-oc	49.2	9.1	PCB Report
CB182	N	7/16/1992	PCB, total	19	3.22	590.1	12	65	mg/kg-oc	49.2	9.1	PCB Report
CB182	N	10/18/1996	Aroclor 1254	18	3.22	559.0	12	65	mg/kg-oc	46.6	8.6	PCB Report
CB182	N	10/18/1996	PCB, total	18	3.22	559.0	12	65	mg/kg-oc	46.6	8.6	PCB Report
CB182	N	8/7/1998	Aroclor 1248	0.61	3.22	18.9	12	65	mg/kg-oc	1.6	0.3	PCB Report
CB182	N	8/7/1998	Aroclor 1254	2.1	3.22	65.2	12	65	mg/kg-oc	5.4	1.0	PCB Report
CB182	N	8/7/1998	Aroclor 1260	0.66	3.22	20.5	12	65	mg/kg-oc	1.7	0.3	PCB Report
CB182	N	8/7/1998	PCB, total	3.37	3.22	104.7	12	65	mg/kg-oc	8.7	1.6	PCB Report
CB182	N	3/21/2006	Aroclor 1254	14	3.22	434.8	12	65	mg/kg-oc	36.2	6.7	no data
CB182	N	3/21/2006	PCB, total	14	3.22	434.8	12	65	mg/kg-oc	36.2	6.7	no data
CB182	N	4/26/2006	Aroclor 1254	6.1	3.22	189.4	12	65	mg/kg-oc	15.8	2.9	no data
CB182	N	4/26/2006	PCB, total	6.1	3.22	189.4	12	65	mg/kg-oc	15.8	2.9	no data
CB182	N	12/8/2006	Aroclor 1248	1.8	3.22	55.9	12	65	mg/kg-oc	4.7	0.9	no data
CB182	N	12/8/2006	Aroclor 1254	5.8	3.22	180.1	12	65	mg/kg-oc	15.0	2.8	no data
CB182	N	12/8/2006	Aroclor 1260	1.6	3.22	49.7	12	65	mg/kg-oc	4.1	0.8	no data
CB182	N	12/8/2006	PCB, total	9.2	3.22	285.7	12	65	mg/kg-oc	23.8	4.4	no data
CB184	N	3/13/2007	Aroclor 1248	140	3.22	4347.8	12	65	mg/kg-oc	362.3	66.9	no data
CB184	N	3/13/2007	Aroclor 1254	180	3.22	5590.1	12	65	mg/kg-oc	465.8	86.0	no data
CB184	N	3/13/2007	PCB, total	320	3.22	9937.9	12	65	mg/kg-oc	828.2	152.9	no data
CB184	N	11/18/2008	Aroclor 1248	0.9	3.22	28.0	12	65	mg/kg-oc	2.3	0.4	Document 2348
CB184	N	11/18/2008	Aroclor 1254	1.3	3.22	40.4	12	65	mg/kg-oc	3.4	0.6	Document 2348
CB184	N	11/18/2008	Mercury	1.1			0.41	0.59	mg/kg-dw	2.7	1.9	Document 2348
CB184	N	11/18/2008	PCB, total	2.2	3.22	68.3	12	65	mg/kg-oc	5.7	1.1	Document 2348
CB185	N	7/16/1992	Aroclor 1254	220	3.22	6832.3	12	65	mg/kg-oc	569.4	105.1	PCB Report
CB185	N	7/16/1992	Aroclor 1254	220	3.22	6832.3	12	65	mg/kg-oc	569.4	105.1	PCB Report
CB185	N	7/16/1992	PCB, total	220	3.22	6832.3	12	65	mg/kg-oc	569.4	105.1	PCB Report
CB185	N	7/16/1992	PCB, total	220	3.22	6832.3	12	65	mg/kg-oc	569.4	105.1	PCB Report
CB185	N	8/7/1998	Aroclor 1248	1.5	3.22	46.6	12	65	mg/kg-oc	3.9	0.7	PCB Report
CB185	N	8/7/1998	Aroclor 1254	4.9	3.22	152.2	12	65	mg/kg-oc	12.7	2.3	PCB Report
CB185	N	8/7/1998	Aroclor 1260	1.5	3.22	46.6	12	65	mg/kg-oc	3.9	0.7	PCB Report
CB185	N	8/7/1998	PCB, total	7.9	3.22	245.3	12	65	mg/kg-oc	20.4	3.8	PCB Report

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
CB185	N	3/21/2006	Aroclor 1254	5.5	3.22	170.8	12	65	mg/kg-oc	14.2	2.6	no data
CB185	N	3/21/2006	PCB, total	5.5	3.22	170.8	12	65	mg/kg-oc	14.2	2.6	no data
CB185	N	4/26/2006	Aroclor 1254	11	3.22	341.6	12	65	mg/kg-oc	28.5	5.3	no data
CB185	N	4/26/2006	PCB, total	11	3.22	341.6	12	65	mg/kg-oc	28.5	5.3	no data
CB185	N	7/25/2006	Aroclor 1254	2	3.22	62.1	12	65	mg/kg-oc	5.2	1.0	no data
CB185	N	7/25/2006	PCB, total	2	3.22	62.1	12	65	mg/kg-oc	5.2	1.0	no data
CB185	N	12/8/2006	Aroclor 1248	1.8	3.22	55.9	12	65	mg/kg-oc	4.7	0.9	no data
CB185	N	12/8/2006	Aroclor 1254	7.2	3.22	223.6	12	65	mg/kg-oc	18.6	3.4	no data
CB185	N	12/8/2006	Aroclor 1260	2	3.22	62.1	12	65	mg/kg-oc	5.2	1.0	no data
CB185	N	12/8/2006	PCB, total	11	3.22	341.6	12	65	mg/kg-oc	28.5	5.3	no data
CB185	N	3/13/2007	Aroclor 1248	1.6	3.22	49.7	12	65	mg/kg-oc	4.1	0.8	no data
CB185	N	3/13/2007	Aroclor 1254	5.4	3.22	167.7	12	65	mg/kg-oc	14.0	2.6	no data
CB185	N	3/13/2007	Aroclor 1260	1.4	3.22	43.5	12	65	mg/kg-oc	3.6	0.7	no data
CB185	N	3/13/2007	PCB, total	8.4	3.22	260.9	12	65	mg/kg-oc	21.7	4.0	no data
CB188	N	7/17/1992	Aroclor 1254	3.7	3.22	114.9	12	65	mg/kg-oc	9.6	1.8	PCB Report
CB188	N	7/17/1992	PCB, total	3.7	3.22	114.9	12	65	mg/kg-oc	9.6	1.8	PCB Report
CB188	N	11/17/2006	Aroclor 1254	0.25	3.22	7.8	12	65	mg/kg-oc	0.6	0.1	no data
CB188	N	11/17/2006	Aroclor 1260	0.14	3.22	4.3	12	65	mg/kg-oc	0.4	0.1	no data
CB188	N	11/17/2006	PCB, total	0.39	3.22	12.1	12	65	mg/kg-oc	1.0	0.2	no data
CB189		8/7/1998	Aroclor 1248	0.16	3.22	5.0	12	65	mg/kg-oc	0.4	0.1	PCB Report
CB189		8/7/1998	Aroclor 1254	1.1	3.22	34.2	12	65	mg/kg-oc	2.8	0.5	PCB Report
CB189		8/7/1998	Aroclor 1260	0.38	3.22	11.8	12	65	mg/kg-oc	1.0	0.2	PCB Report
CB189		8/7/1998	PCB, total	1.64	3.22	50.9	12	65	mg/kg-oc	4.2	0.8	PCB Report
CB189		6/29/2000	Aroclor 1254	1.89	3.22	58.7	12	65	mg/kg-oc	4.9	0.9	PCB Report
CB189		6/29/2000	Aroclor 1254	2.4768	3.22	76.9	12	65	mg/kg-oc	6.4	1.2	PCB Report
CB189		6/29/2000	Aroclor 1260	1.0498	3.22	32.6	12	65	mg/kg-oc	2.7	0.5	PCB Report
CB189		6/29/2000	Aroclor 1260	1.45	3.22	45.0	12	65	mg/kg-oc	3.8	0.7	PCB Report
CB189		6/29/2000	PCB, total	3.34	3.22	103.7	12	65	mg/kg-oc	8.6	1.6	PCB Report
CB189		6/29/2000	PCB, total	3.527	3.22	109.5	12	65	mg/kg-oc	9.1	1.7	PCB Report
CB191		8/7/1998	Aroclor 1248	1.2	3.22	37.3	12	65	mg/kg-oc	3.1	0.6	PCB Report
CB191		8/7/1998	Aroclor 1254	4.4	3.22	136.6	12	65	mg/kg-oc	11.4	2.1	PCB Report
CB191		8/7/1998	Aroclor 1260	2.7	3.22	83.9	12	65	mg/kg-oc	7.0	1.3	PCB Report
CB191		8/7/1998	PCB, total	8.3	3.22	257.8	12	65	mg/kg-oc	21.5	4.0	PCB Report
CB193	N	6/29/2000	Aroclor 1254	8.028	3.22	249.3	12	65	mg/kg-oc	20.8	3.8	PCB Report
CB193	N	6/29/2000	Aroclor 1260	4.246	3.22	131.9	12	65	mg/kg-oc	11.0	2.0	PCB Report
CB193	N	6/29/2000	PCB, total	12.274	3.22	381.2	12	65	mg/kg-oc	31.8	5.9	PCB Report
CB193	N	10/27/2005	Aroclor 1254	14	3.22	434.8	12	65	mg/kg-oc	36.2	6.7	no data
CB193	N	10/27/2005	Aroclor 1260	2.5	3.22	77.6	12	65	mg/kg-oc	6.5	1.2	no data
CB193	N	10/27/2005	PCB, total	16.5	3.22	512.4	12	65	mg/kg-oc	42.7	7.9	no data
CB193	N	7/25/2006	Aroclor 1248	3	3.22	93.2	12	65	mg/kg-oc	7.8	1.4	no data
CB193	N	7/25/2006	Aroclor 1254	9	3.22	279.5	12	65	mg/kg-oc	23.3	4.3	no data
CB193	N	7/25/2006	PCB, total	12	3.22	372.7	12	65	mg/kg-oc	31.1	5.7	no data
CB193	N	12/8/2006	Aroclor 1254	1.2	3.22	37.3	12	65	mg/kg-oc	3.1	0.6	no data
CB193	N	12/8/2006	PCB, total	1.2	3.22	37.3	12	65	mg/kg-oc	3.1	0.6	no data
CB193	N	3/13/2007	Aroclor 1248	26	3.22	807.5	12	65	mg/kg-oc	67.3	12.4	no data



**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
CB193	N	3/13/2007	Aroclor 1254	53	3.22	1646.0	12	65	mg/kg-oc	137.2	25.3	no data
CB193	N	3/13/2007	PCB, total	79	3.22	2453.4	12	65	mg/kg-oc	204.5	37.7	no data
CB194	N	10/24/2005	Aroclor 1248	3	3.22	93.2	12	65	mg/kg-oc	7.8	1.4	no data
CB194	N	10/24/2005	Aroclor 1254	8.8	3.22	273.3	12	65	mg/kg-oc	22.8	4.2	no data
CB194	N	10/24/2005	Aroclor 1260	2.3	3.22	71.4	12	65	mg/kg-oc	6.0	1.1	no data
CB194	N	10/24/2005	PCB, total	14.1	3.22	437.9	12	65	mg/kg-oc	36.5	6.7	no data
CB194	N	7/25/2006	Aroclor 1248	6.3	3.22	195.7	12	65	mg/kg-oc	16.3	3.0	no data
CB194	N	7/25/2006	Aroclor 1254	14	3.22	434.8	12	65	mg/kg-oc	36.2	6.7	no data
CB194	N	7/25/2006	PCB, total	20.3	3.22	630.4	12	65	mg/kg-oc	52.5	9.7	no data
CB194	N	12/8/2006	Aroclor 1248	10	3.22	310.6	12	65	mg/kg-oc	25.9	4.8	no data
CB194	N	12/8/2006	Aroclor 1254	14	3.22	434.8	12	65	mg/kg-oc	36.2	6.7	no data
CB194	N	12/8/2006	Aroclor 1260	4.1 J	3.22	127.3	12	65	mg/kg-oc	10.6	2.0	no data
CB194	N	12/8/2006	PCB, total	28.1	3.22	872.7	12	65	mg/kg-oc	72.7	13.4	no data
CB194	N	3/13/2007	Aroclor 1254	9.3	3.22	288.8	12	65	mg/kg-oc	24.1	4.4	no data
CB194	N	3/13/2007	PCB, total	9.3	3.22	288.8	12	65	mg/kg-oc	24.1	4.4	no data
CB200		8/10/1998	Aroclor 1254	0.043	3.22	1.3	12	65	mg/kg-oc	0.1	0.0	PCB Report
CB200		8/10/1998	Aroclor 1260	0.02 J	3.22	0.6	12	65	mg/kg-oc	0.1	0.0	PCB Report
CB200		8/10/1998	PCB, total	0.063	3.22	2.0	12	65	mg/kg-oc	0.2	0.0	PCB Report
CB201		10/18/1996	Aroclor 1254	0.64	3.22	19.9	12	65	mg/kg-oc	1.7	0.3	PCB Report
CB201		10/18/1996	Aroclor 1260	0.17	3.22	5.3	12	65	mg/kg-oc	0.4	0.1	PCB Report
CB201		10/18/1996	PCB, total	0.81	3.22	25.2	12	65	mg/kg-oc	2.1	0.4	PCB Report
CB201		9/22/1997	Aroclor 1254	7.1	3.22	220.5	12	65	mg/kg-oc	18.4	3.4	PCB Report
CB201		9/22/1997	PCB, total	7.1	3.22	220.5	12	65	mg/kg-oc	18.4	3.4	PCB Report
CB201		8/10/1998	Aroclor 1248	0.37	3.22	11.5	12	65	mg/kg-oc	1.0	0.2	PCB Report
CB201		8/10/1998	Aroclor 1254	0.94	3.22	29.2	12	65	mg/kg-oc	2.4	0.4	PCB Report
CB201		8/10/1998	Aroclor 1260	0.091	3.22	2.8	12	65	mg/kg-oc	0.2	0.0	PCB Report
CB201		8/10/1998	PCB, total	1.401	3.22	43.5	12	65	mg/kg-oc	3.6	0.7	PCB Report
CB209B	N	5/4/2000	Aroclor 1254	0.144	3.22	4.5	12	65	mg/kg-oc	0.4	0.1	PCB Report
CB209B	N	5/4/2000	Aroclor 1260	0.039	3.22	1.2	12	65	mg/kg-oc	0.1	0.0	PCB Report
CB209B	N	5/4/2000	PCB, total	0.183	3.22	5.7	12	65	mg/kg-oc	0.5	0.1	PCB Report
CB209B	N	9/26/2005	Aroclor 1254	0.066	3.22	2.0	12	65	mg/kg-oc	0.2	0.0	no data
CB209B	N	9/26/2005	PCB, total	0.066	3.22	2.0	12	65	mg/kg-oc	0.2	0.0	no data
CB221	NC	8/11/1998	Aroclor 1254	2.9	3.22	90.1	12	65	mg/kg-oc	7.5	1.4	PCB Report
CB221	NC	8/11/1998	Aroclor 1260	1.2	3.22	37.3	12	65	mg/kg-oc	3.1	0.6	PCB Report
CB221	NC	8/11/1998	PCB, total	4.1	3.22	127.3	12	65	mg/kg-oc	10.6	2.0	PCB Report
CB221	NC	12/30/2008	Aroclor 1254	1.3	3.22	40.4	12	65	mg/kg-oc	3.4	0.6	Document 2499
CB221	NC	12/30/2008	PCB, total	1.3	3.22	40.4	12	65	mg/kg-oc	3.4	0.6	Document 2499
CB222	NC	12/30/2008	Aroclor 1254	1.5	3.22	46.6	12	65	mg/kg-oc	3.9	0.7	Document 2499
CB222	NC	12/30/2008	Aroclor 1260	0.52	3.22	16.1	12	65	mg/kg-oc	1.3	0.2	Document 2499
CB222	NC	12/30/2008	PCB, total	2.02	3.22	62.7	12	65	mg/kg-oc	5.2	1.0	Document 2499
CB224	NC	8/18/1998	Aroclor 1254	110	3.22	3416.1	12	65	mg/kg-oc	284.7	52.6	PCB Report
CB224	NC	8/18/1998	Aroclor 1260	35	3.22	1087.0	12	65	mg/kg-oc	90.6	16.7	PCB Report
CB224	NC	8/18/1998	PCB, total	145	3.22	4503.1	12	65	mg/kg-oc	375.3	69.3	PCB Report
CB224	NC	5/1/2000	Aroclor 1254	33.66	3.22	1045.3	12	65	mg/kg-oc	87.1	16.1	PCB Report
CB224	NC	5/1/2000	Aroclor 1260	15.3	3.22	475.2	12	65	mg/kg-oc	39.6	7.3	PCB Report

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
CB224	NC	5/1/2000	PCB, total	48.96	3.22	1520.5	12	65	mg/kg-oc	126.7	23.4	PCB Report
CB224	NC	5/13/2005	Aroclor 1254	43	3.22	1335.4	12	65	mg/kg-oc	111.3	20.5	no data
CB224	NC	5/13/2005	PCB, total	43	3.22	1335.4	12	65	mg/kg-oc	111.3	20.5	no data
CB224	NC	7/25/2006	Aroclor 1254	10	3.22	310.6	12	65	mg/kg-oc	25.9	4.8	no data
CB224	NC	7/25/2006	Aroclor 1260	4.6	3.22	142.9	12	65	mg/kg-oc	11.9	2.2	no data
CB224	NC	7/25/2006	PCB, total	14.6	3.22	453.4	12	65	mg/kg-oc	37.8	7.0	no data
CB224	NC	3/13/2007	Aroclor 1254	18	3.22	559.0	12	65	mg/kg-oc	46.6	8.6	no data
CB224	NC	3/13/2007	Aroclor 1260	8.2	3.22	254.7	12	65	mg/kg-oc	21.2	3.9	no data
CB224	NC	3/13/2007	PCB, total	26.2	3.22	813.7	12	65	mg/kg-oc	67.8	12.5	no data
CB224	NC	9/22/2008	Aroclor 1254	2.8 J	3.22	87.0	12	65	mg/kg-oc	7.2	1.3	Document 2109
CB224	NC	9/22/2008	Aroclor 1260	1.5 J	3.22	46.6	12	65	mg/kg-oc	3.9	0.7	Document 2109
CB224	NC	9/22/2008	PCB, total	4.3	3.22	133.5	12	65	mg/kg-oc	11.1	2.1	Document 2109
CB224	NC	12/30/2008	Aroclor 1254	2.7	3.22	83.9	12	65	mg/kg-oc	7.0	1.3	Document 2499
CB224	NC	12/30/2008	Aroclor 1260	1.9	3.22	59.0	12	65	mg/kg-oc	4.9	0.9	Document 2499
CB224	NC	12/30/2008	PCB, total	4.6	3.22	142.9	12	65	mg/kg-oc	11.9	2.2	Document 2499
CB225	NC	8/18/1998	Aroclor 1254	63	3.22	1956.5	12	65	mg/kg-oc	163.0	30.1	PCB Report
CB225	NC	8/18/1998	Aroclor 1260	19	3.22	590.1	12	65	mg/kg-oc	49.2	9.1	PCB Report
CB225	NC	8/18/1998	PCB, total	82	3.22	2546.6	12	65	mg/kg-oc	212.2	39.2	PCB Report
CB225	NC	7/7/2000	Aroclor 1254	7.64	3.22	237.3	12	65	mg/kg-oc	19.8	3.7	PCB Report
CB225	NC	7/7/2000	Aroclor 1260	5.66	3.22	175.8	12	65	mg/kg-oc	14.6	2.7	PCB Report
CB225	NC	7/7/2000	PCB, total	13.3	3.22	413.0	12	65	mg/kg-oc	34.4	6.4	PCB Report
CB225	NC	7/25/2006	Aroclor 1254	19	3.22	590.1	12	65	mg/kg-oc	49.2	9.1	no data
CB225	NC	7/25/2006	Aroclor 1260	8.9	3.22	276.4	12	65	mg/kg-oc	23.0	4.3	no data
CB225	NC	7/25/2006	PCB, total	27.9	3.22	866.5	12	65	mg/kg-oc	72.2	13.3	no data
CB225	NC	12/8/2006	Aroclor 1254	8.2	3.22	254.7	12	65	mg/kg-oc	21.2	3.9	no data
CB225	NC	12/8/2006	Aroclor 1260	5.6	3.22	173.9	12	65	mg/kg-oc	14.5	2.7	no data
CB225	NC	12/8/2006	PCB, total	13.8	3.22	428.6	12	65	mg/kg-oc	35.7	6.6	no data
CB225	NC	3/13/2007	Aroclor 1254	6.8	3.22	211.2	12	65	mg/kg-oc	17.6	3.2	no data
CB225	NC	3/13/2007	Aroclor 1260	5.2	3.22	161.5	12	65	mg/kg-oc	13.5	2.5	no data
CB225	NC	3/13/2007	PCB, total	12	3.22	372.7	12	65	mg/kg-oc	31.1	5.7	no data
CB225	NC	9/22/2008	Aroclor 1254	1.2	3.22	37.3	12	65	mg/kg-oc	3.1	0.6	Document 2109
CB225	NC	9/22/2008	Aroclor 1260	0.65	3.22	20.2	12	65	mg/kg-oc	1.7	0.3	Document 2109
CB225	NC	9/22/2008	PCB, total	1.85	3.22	57.5	12	65	mg/kg-oc	4.8	0.9	Document 2109
CB225	NC	12/30/2008	Aroclor 1254	1.1	3.22	34.2	12	65	mg/kg-oc	2.8	0.5	Document 2499
CB225	NC	12/30/2008	Aroclor 1260	0.89	3.22	27.6	12	65	mg/kg-oc	2.3	0.4	Document 2499
CB225	NC	12/30/2008	PCB, total	1.99	3.22	61.8	12	65	mg/kg-oc	5.2	1.0	Document 2499
CB227	NC	7/25/2006	Aroclor 1254	5.2	3.22	161.5	12	65	mg/kg-oc	13.5	2.5	no data
CB227	NC	7/25/2006	Aroclor 1260	2.3	3.22	71.4	12	65	mg/kg-oc	6.0	1.1	no data
CB227	NC	7/25/2006	PCB, total	7.5	3.22	232.9	12	65	mg/kg-oc	19.4	3.6	no data
CB227	NC	3/14/2007	Aroclor 1254	1.6	3.22	49.7	12	65	mg/kg-oc	4.1	0.8	no data
CB227	NC	3/14/2007	Aroclor 1260	0.97	3.22	30.1	12	65	mg/kg-oc	2.5	0.5	no data
CB227	NC	3/14/2007	PCB, total	2.57	3.22	79.8	12	65	mg/kg-oc	6.7	1.2	no data
CB228F	NC	6/20/2000	Aroclor 1254	48.7329	3.22	1513.4	12	65	mg/kg-oc	126.1	23.3	PCB Report
CB228F	NC	6/20/2000	Aroclor 1260	112.0858	3.22	3480.9	12	65	mg/kg-oc	290.1	53.6	PCB Report
CB228F	NC	6/20/2000	PCB, total	160.819	3.22	4994.4	12	65	mg/kg-oc	416.2	76.8	PCB Report

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
CB228F	NC	5/13/2005	Aroclor 1254	22	3.22	683.2	12	65	mg/kg-oc	56.9	10.5	no data
CB228F	NC	5/13/2005	PCB, total	22	3.22	683.2	12	65	mg/kg-oc	56.9	10.5	no data
CB228F	NC	3/14/2007	Aroclor 1254	37	3.22	1149.1	12	65	mg/kg-oc	95.8	17.7	no data
CB228F	NC	3/14/2007	Aroclor 1260	13	3.22	403.7	12	65	mg/kg-oc	33.6	6.2	no data
CB228F	NC	3/14/2007	PCB, total	50	3.22	1552.8	12	65	mg/kg-oc	129.4	23.9	no data
CB228F	NC	9/22/2008	Aroclor 1254	22	3.22	683.2	12	65	mg/kg-oc	56.9	10.5	Document 2109
CB228F	NC	9/22/2008	PCB, total	22	3.22	683.2	12	65	mg/kg-oc	56.9	10.5	Document 2109
CB229A	NC	10/18/1996	Aroclor 1254	1.8	3.22	55.9	12	65	mg/kg-oc	4.7	0.9	PCB Report
CB229A	NC	10/18/1996	Aroclor 1260	0.8	3.22	24.8	12	65	mg/kg-oc	2.1	0.4	PCB Report
CB229A	NC	10/18/1996	PCB, total	2.6	3.22	80.7	12	65	mg/kg-oc	6.7	1.2	PCB Report
CB229A	NC	8/6/1998	Aroclor 1254	0.42	3.22	13.0	12	65	mg/kg-oc	1.1	0.2	PCB Report
CB229A	NC	8/6/1998	Aroclor 1260	0.09	3.22	2.8	12	65	mg/kg-oc	0.2	0.0	PCB Report
CB229A	NC	8/6/1998	PCB, total	0.51	3.22	15.8	12	65	mg/kg-oc	1.3	0.2	PCB Report
CB229A	NC	5/4/2000	Aroclor 1254	0.788	3.22	24.5	12	65	mg/kg-oc	2.0	0.4	PCB Report
CB229A	NC	5/4/2000	Aroclor 1260	1.021	3.22	31.7	12	65	mg/kg-oc	2.6	0.5	PCB Report
CB229A	NC	5/4/2000	PCB, total	1.809	3.22	56.2	12	65	mg/kg-oc	4.7	0.9	PCB Report
CB229A	NC	4/10/2007	Aroclor 1254	0.049	3.22	1.5	12	65	mg/kg-oc	0.1	0.0	no data
CB229A	NC	4/10/2007	Aroclor 1260	0.051	3.22	1.6	12	65	mg/kg-oc	0.1	0.0	no data
CB229A	NC	4/10/2007	PCB, total	0.1	3.22	3.1	12	65	mg/kg-oc	0.3	0.0	no data
CB231		9/30/1997	Aroclor 1254	8.1	3.22	251.6	12	65	mg/kg-oc	21.0	3.9	PCB Report
CB231		9/30/1997	PCB, total	8.1	3.22	251.6	12	65	mg/kg-oc	21.0	3.9	PCB Report
CB231		5/4/2000	Aroclor 1254	6.99	3.22	217.1	12	65	mg/kg-oc	18.1	3.3	PCB Report
CB231		5/4/2000	Aroclor 1260	4.605	3.22	143.0	12	65	mg/kg-oc	11.9	2.2	PCB Report
CB231		5/4/2000	PCB, total	11.595	3.22	360.1	12	65	mg/kg-oc	30.0	5.5	PCB Report
CB236		9/17/1997	Aroclor 1254	0.73	3.22	22.7	12	65	mg/kg-oc	1.9	0.3	PCB Report
CB236		9/17/1997	PCB, total	0.73	3.22	22.7	12	65	mg/kg-oc	1.9	0.3	PCB Report
CB236		8/6/1998	Aroclor 1254	1.7	3.22	52.8	12	65	mg/kg-oc	4.4	0.8	PCB Report
CB236		8/6/1998	Aroclor 1260	0.48	3.22	14.9	12	65	mg/kg-oc	1.2	0.2	PCB Report
CB236		8/6/1998	PCB, total	2.18	3.22	67.7	12	65	mg/kg-oc	5.6	1.0	PCB Report
CB244		8/6/1998	Aroclor 1254	0.82	3.22	25.5	12	65	mg/kg-oc	2.1	0.4	PCB Report
CB244		8/6/1998	Aroclor 1260	0.43	3.22	13.4	12	65	mg/kg-oc	1.1	0.2	PCB Report
CB244		8/6/1998	PCB, total	1.25	3.22	38.8	12	65	mg/kg-oc	3.2	0.6	PCB Report
CB246		8/16/2000	Aroclor 1254	0.22	3.22	6.8	12	65	mg/kg-oc	0.6	0.1	PCB Report
CB246		8/16/2000	Aroclor 1260	0.32	3.22	9.9	12	65	mg/kg-oc	0.8	0.2	PCB Report
CB246		8/16/2000	PCB, total	0.54	3.22	16.8	12	65	mg/kg-oc	1.4	0.3	PCB Report
CB250		6/4/2000	Aroclor 1254	0.747	3.22	23.2	12	65	mg/kg-oc	1.9	0.4	PCB Report
CB250		6/4/2000	Aroclor 1260	0.628	3.22	19.5	12	65	mg/kg-oc	1.6	0.3	PCB Report
CB250		6/4/2000	PCB, total	1.375	3.22	42.7	12	65	mg/kg-oc	3.6	0.7	PCB Report
CB251		7/7/2000	Aroclor 1254	0.92	3.22	28.6	12	65	mg/kg-oc	2.4	0.4	PCB Report
CB251		7/7/2000	Aroclor 1260	0.46	3.22	14.3	12	65	mg/kg-oc	1.2	0.2	PCB Report
CB251		7/7/2000	PCB, total	1.38	3.22	42.9	12	65	mg/kg-oc	3.6	0.7	PCB Report
CB252		8/14/1998	Aroclor 1254	23	3.22	714.3	12	65	mg/kg-oc	59.5	11.0	PCB Report
CB252		8/14/1998	PCB, total	23	3.22	714.3	12	65	mg/kg-oc	59.5	11.0	PCB Report
CB252		7/7/2000	Aroclor 1254	7.59	3.22	235.7	12	65	mg/kg-oc	19.6	3.6	PCB Report
CB252		7/7/2000	Aroclor 1260	3.82	3.22	118.6	12	65	mg/kg-oc	9.9	1.8	PCB Report

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
CB252		7/7/2000	PCB, total	11.41	3.22	354.3	12	65	mg/kg-oc	29.5	5.5	PCB Report
CB253		7/7/2000	Aroclor 1254	20.33	3.22	631.4	12	65	mg/kg-oc	52.6	9.7	PCB Report
CB253		7/7/2000	Aroclor 1260	12.13	3.22	376.7	12	65	mg/kg-oc	31.4	5.8	PCB Report
CB253		7/7/2000	PCB, total	32.46	3.22	1008.1	12	65	mg/kg-oc	84.0	15.5	PCB Report
CB254		7/7/2000	Aroclor 1254	2.11	3.22	65.5	12	65	mg/kg-oc	5.5	1.0	PCB Report
CB254		7/7/2000	Aroclor 1260	1.35	3.22	41.9	12	65	mg/kg-oc	3.5	0.6	PCB Report
CB254		7/7/2000	PCB, total	3.46	3.22	107.5	12	65	mg/kg-oc	9.0	1.7	PCB Report
CB255		7/7/2000	Aroclor 1254	1.5648	3.22	48.6	12	65	mg/kg-oc	4.0	0.7	PCB Report
CB255		7/7/2000	Aroclor 1260	1.1502	3.22	35.7	12	65	mg/kg-oc	3.0	0.5	PCB Report
CB255		7/7/2000	PCB, total	2.715	3.22	84.3	12	65	mg/kg-oc	7.0	1.3	PCB Report
CB256		7/7/2000	Aroclor 1254	4.667	3.22	144.9	12	65	mg/kg-oc	12.1	2.2	PCB Report
CB256		7/7/2000	Aroclor 1260	4.797	3.22	149.0	12	65	mg/kg-oc	12.4	2.3	PCB Report
CB256		7/7/2000	PCB, total	9.464	3.22	293.9	12	65	mg/kg-oc	24.5	4.5	PCB Report
CB257		6/20/2000	Aroclor 1254	3.2776	3.22	101.8	12	65	mg/kg-oc	8.5	1.6	PCB Report
CB257		6/20/2000	Aroclor 1260	1.1267	3.22	35.0	12	65	mg/kg-oc	2.9	0.5	PCB Report
CB257		6/20/2000	PCB, total	4.405	3.22	136.8	12	65	mg/kg-oc	11.4	2.1	PCB Report
CB259		7/10/2000	Aroclor 1254	1.91	3.22	59.3	12	65	mg/kg-oc	4.9	0.9	PCB Report
CB259		7/10/2000	Aroclor 1260	1.04	3.22	32.3	12	65	mg/kg-oc	2.7	0.5	PCB Report
CB259		7/10/2000	PCB, total	2.94	3.22	91.3	12	65	mg/kg-oc	7.6	1.4	PCB Report
CB260		7/10/2000	Aroclor 1254	2.74	3.22	85.1	12	65	mg/kg-oc	7.1	1.3	PCB Report
CB260		7/10/2000	Aroclor 1260	2.05	3.22	63.7	12	65	mg/kg-oc	5.3	1.0	PCB Report
CB260		7/10/2000	PCB, total	4.79	3.22	148.8	12	65	mg/kg-oc	12.4	2.3	PCB Report
CB261		7/19/2000	Aroclor 1254	13.51	3.22	419.6	12	65	mg/kg-oc	35.0	6.5	PCB Report
CB261		7/19/2000	Aroclor 1260	5	3.22	155.3	12	65	mg/kg-oc	12.9	2.4	PCB Report
CB261		7/19/2000	PCB, total	18.5	3.22	574.5	12	65	mg/kg-oc	47.9	8.8	PCB Report
CB266A		8/10/2000	Aroclor 1254	0.07	3.22	2.2	12	65	mg/kg-oc	0.2	0.0	PCB Report
CB266A		8/10/2000	Aroclor 1260	0.098	3.22	3.0	12	65	mg/kg-oc	0.3	0.0	PCB Report
CB266A		8/10/2000	PCB, total	0.17	3.22	5.3	12	65	mg/kg-oc	0.4	0.1	PCB Report
CB266B		8/14/1998	Aroclor 1254	0.13	3.22	4.0	12	65	mg/kg-oc	0.3	0.1	PCB Report
CB266B		8/14/1998	PCB, total	0.13	3.22	4.0	12	65	mg/kg-oc	0.3	0.1	PCB Report
CB308		4/11/2000	Aroclor 1254	0.839	3.22	26.1	12	65	mg/kg-oc	2.2	0.4	PCB Report
CB308		4/11/2000	Aroclor 1260	0.716	3.22	22.2	12	65	mg/kg-oc	1.9	0.3	PCB Report
CB308		4/11/2000	PCB, total	1.555	3.22	48.3	12	65	mg/kg-oc	4.0	0.7	PCB Report
CB308B		5/20/2000	Aroclor 1260	0.243	3.22	7.5	12	65	mg/kg-oc	0.6	0.1	PCB Report
CB308B		5/20/2000	PCB, total	0.243	3.22	7.5	12	65	mg/kg-oc	0.6	0.1	PCB Report
CB310B		4/12/2000	Aroclor 1254	1.136	3.22	35.3	12	65	mg/kg-oc	2.9	0.5	PCB Report
CB310B		4/12/2000	Aroclor 1260	1.23	3.22	38.2	12	65	mg/kg-oc	3.2	0.6	PCB Report
CB310B		4/12/2000	PCB, total	2.366	3.22	73.5	12	65	mg/kg-oc	6.1	1.1	PCB Report
CB310D		4/12/2000	Aroclor 1254	0.468	3.22	14.5	12	65	mg/kg-oc	1.2	0.2	PCB Report
CB310D		4/12/2000	Aroclor 1260	0.585	3.22	18.2	12	65	mg/kg-oc	1.5	0.3	PCB Report
CB310D		4/12/2000	PCB, total	1.053	3.22	32.7	12	65	mg/kg-oc	2.7	0.5	PCB Report
CB310G		4/11/2000	Aroclor 1254	2.614	3.22	81.2	12	65	mg/kg-oc	6.8	1.2	PCB Report
CB310G		4/11/2000	Aroclor 1260	1.242	3.22	38.6	12	65	mg/kg-oc	3.2	0.6	PCB Report
CB310G		4/11/2000	PCB, total	3.856	3.22	119.8	12	65	mg/kg-oc	10.0	1.8	PCB Report
CB359	SC	12/30/2008	Aroclor 1254	0.46	3.22	14.3	12	65	mg/kg-oc	1.2	0.2	Document 2499

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
CB359	SC	12/30/2008	Aroclor 1260	0.21	3.22	6.5	12	65	mg/kg-oc	0.5	0.1	Document 2499
CB359	SC	12/30/2008	PCB, total	0.67	3.22	20.8	12	65	mg/kg-oc	1.7	0.3	Document 2499
CB363	N	9/17/1997	Aroclor 1254	17	3.22	528.0	12	65	mg/kg-oc	44.0	8.1	PCB Report
CB363	N	9/17/1997	PCB, total	17	3.22	528.0	12	65	mg/kg-oc	44.0	8.1	PCB Report
CB363	N	5/1/2000	Aroclor 1254	4.307	3.22	133.8	12	65	mg/kg-oc	11.1	2.1	PCB Report
CB363	N	5/1/2000	Aroclor 1260	0.404	3.22	12.5	12	65	mg/kg-oc	1.0	0.2	PCB Report
CB363	N	5/1/2000	PCB, total	4.711	3.22	146.3	12	65	mg/kg-oc	12.2	2.3	PCB Report
CB363	N	12/8/2006	Aroclor 1248	68	3.22	2111.8	12	65	mg/kg-oc	176.0	32.5	no data
CB363	N	12/8/2006	Aroclor 1254	31	3.22	962.7	12	65	mg/kg-oc	80.2	14.8	no data
CB363	N	12/8/2006	Aroclor 1260	7.8	3.22	242.2	12	65	mg/kg-oc	20.2	3.7	no data
CB363	N	12/8/2006	PCB, total	106.8	3.22	3316.8	12	65	mg/kg-oc	276.4	51.0	no data
CB363	N	3/14/2007	Aroclor 1248	110	3.22	3416.1	12	65	mg/kg-oc	284.7	52.6	no data
CB363	N	3/14/2007	Aroclor 1254	120	3.22	3726.7	12	65	mg/kg-oc	310.6	57.3	no data
CB363	N	3/14/2007	PCB, total	230	3.22	7142.9	12	65	mg/kg-oc	595.2	109.9	no data
CB364A	NC	8/14/2000	Aroclor 1254	57	3.22	1770.2	12	65	mg/kg-oc	147.5	27.2	PCB Report
CB364A	NC	8/14/2000	Aroclor 1260	13	3.22	403.7	12	65	mg/kg-oc	33.6	6.2	PCB Report
CB364A	NC	8/14/2000	PCB, total	70	3.22	2173.9	12	65	mg/kg-oc	181.2	33.4	PCB Report
CB364A	NC	5/13/2005	Aroclor 1254	11 J	3.22	341.6	12	65	mg/kg-oc	28.5	5.3	no data
CB364A	NC	5/13/2005	PCB, total	11	3.22	341.6	12	65	mg/kg-oc	28.5	5.3	no data
CB364A	NC	7/26/2006	Aroclor 1254	5.5	3.22	170.8	12	65	mg/kg-oc	14.2	2.6	no data
CB364A	NC	7/26/2006	PCB, total	5.5	3.22	170.8	12	65	mg/kg-oc	14.2	2.6	no data
CB364A	NC	3/14/2007	Aroclor 1254	3.8	3.22	118.0	12	65	mg/kg-oc	9.8	1.8	no data
CB364A	NC	3/14/2007	Aroclor 1260	1.6	3.22	49.7	12	65	mg/kg-oc	4.1	0.8	no data
CB364A	NC	3/14/2007	PCB, total	5.4	3.22	167.7	12	65	mg/kg-oc	14.0	2.6	no data
CB364A	NC	12/30/2008	Aroclor 1254	2.8	3.22	87.0	12	65	mg/kg-oc	7.2	1.3	Document 2499
CB364A	NC	12/30/2008	PCB, total	2.8	3.22	87.0	12	65	mg/kg-oc	7.2	1.3	Document 2499
CB370	SC	8/13/1998	Aroclor 1254	130	3.22	4037.3	12	65	mg/kg-oc	336.4	62.1	PCB Report
CB370	SC	8/13/1998	Aroclor 1260	28	3.22	869.6	12	65	mg/kg-oc	72.5	13.4	PCB Report
CB370	SC	8/13/1998	PCB, total	158	3.22	4906.8	12	65	mg/kg-oc	408.9	75.5	PCB Report
CB370	SC	6/3/2000	Aroclor 1254	22.484	3.22	698.3	12	65	mg/kg-oc	58.2	10.7	PCB Report
CB370	SC	6/3/2000	Aroclor 1260	17.666	3.22	548.6	12	65	mg/kg-oc	45.7	8.4	PCB Report
CB370	SC	6/3/2000	PCB, total	40.15	3.22	1246.9	12	65	mg/kg-oc	103.9	19.2	PCB Report
CB370	SC	7/26/2006	Aroclor 1254	28	3.22	869.6	12	65	mg/kg-oc	72.5	13.4	no data
CB370	SC	7/26/2006	PCB, total	28	3.22	869.6	12	65	mg/kg-oc	72.5	13.4	no data
CB370	SC	3/14/2007	Aroclor 1254	2.8	3.22	87.0	12	65	mg/kg-oc	7.2	1.3	no data
CB370	SC	3/14/2007	Aroclor 1260	3.2	3.22	99.4	12	65	mg/kg-oc	8.3	1.5	no data
CB370	SC	3/14/2007	PCB, total	6	3.22	186.3	12	65	mg/kg-oc	15.5	2.9	no data
CB372	NC	6/20/2000	Aroclor 1254	28.0331	3.22	870.6	12	65	mg/kg-oc	72.5	13.4	PCB Report
CB372	NC	6/20/2000	Aroclor 1260	17.4632	3.22	542.3	12	65	mg/kg-oc	45.2	8.3	PCB Report
CB372	NC	6/20/2000	PCB, total	45.496	3.22	1412.9	12	65	mg/kg-oc	117.7	21.7	PCB Report
CB372	NC	7/26/2006	Aroclor 1254	24	3.22	745.3	12	65	mg/kg-oc	62.1	11.5	no data
CB372	NC	7/26/2006	Aroclor 1260	8.8	3.22	273.3	12	65	mg/kg-oc	22.8	4.2	no data
CB372	NC	7/26/2006	PCB, total	32.8	3.22	1018.6	12	65	mg/kg-oc	84.9	15.7	no data
CB372	NC	3/14/2007	Aroclor 1254	3.6	3.22	111.8	12	65	mg/kg-oc	9.3	1.7	no data
CB372	NC	3/14/2007	Aroclor 1260	2.6	3.22	80.7	12	65	mg/kg-oc	6.7	1.2	no data

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
CB372	NC	3/14/2007	PCB, total	6.2	3.22	192.5	12	65	mg/kg-oc	16.0	3.0	no data
CB372	NC	9/22/2008	Aroclor 1254	2.6	3.22	80.7	12	65	mg/kg-oc	6.7	1.2	Document 2109
CB372	NC	9/22/2008	PCB, total	2.6	3.22	80.7	12	65	mg/kg-oc	6.7	1.2	Document 2109
CB372A	NC	6/20/2000	Aroclor 1254	32.29	3.22	1002.8	12	65	mg/kg-oc	83.6	15.4	PCB Report
CB372A	NC	6/20/2000	Aroclor 1260	18.26	3.22	567.1	12	65	mg/kg-oc	47.3	8.7	PCB Report
CB372A	NC	6/20/2000	PCB, total	50.56	3.22	1570.2	12	65	mg/kg-oc	130.8	24.2	PCB Report
CB372A	NC	5/13/2005	Aroclor 1254	8.8	3.22	273.3	12	65	mg/kg-oc	22.8	4.2	no data
CB372A	NC	5/13/2005	PCB, total	8.8	3.22	273.3	12	65	mg/kg-oc	22.8	4.2	no data
CB372A	NC	3/14/2007	Aroclor 1254	24	3.22	745.3	12	65	mg/kg-oc	62.1	11.5	no data
CB372A	NC	3/14/2007	Aroclor 1260	9.1	3.22	282.6	12	65	mg/kg-oc	23.6	4.3	no data
CB372A	NC	3/14/2007	PCB, total	33.1	3.22	1028.0	12	65	mg/kg-oc	85.7	15.8	no data
CB372A	NC	9/22/2008	Aroclor 1254	3.9	3.22	121.1	12	65	mg/kg-oc	10.1	1.9	Document 2109
CB372A	NC	9/22/2008	PCB, total	3.9	3.22	121.1	12	65	mg/kg-oc	10.1	1.9	Document 2109
CB373		9/26/1997	Aroclor 1254	19	3.22	590.1	12	65	mg/kg-oc	49.2	9.1	PCB Report
CB373		9/26/1997	PCB, total	19	3.22	590.1	12	65	mg/kg-oc	49.2	9.1	PCB Report
CB374		8/14/2000	Aroclor 1254	14	3.22	434.8	12	65	mg/kg-oc	36.2	6.7	PCB Report
CB374		8/14/2000	Aroclor 1260	12	3.22	372.7	12	65	mg/kg-oc	31.1	5.7	PCB Report
CB374		8/14/2000	PCB, total	26	3.22	807.5	12	65	mg/kg-oc	67.3	12.4	PCB Report
CB384	S	8/14/2000	Aroclor 1254	93	3.22	2888.2	12	65	mg/kg-oc	240.7	44.4	PCB Report
CB384	S	8/14/2000	Aroclor 1260	38	3.22	1180.1	12	65	mg/kg-oc	98.3	18.2	PCB Report
CB384	S	8/14/2000	PCB, total	130	3.22	4037.3	12	65	mg/kg-oc	336.4	62.1	PCB Report
CB384	S	5/13/2005	Aroclor 1254	16	3.22	496.9	12	65	mg/kg-oc	41.4	7.6	no data
CB384	S	5/13/2005	PCB, total	16	3.22	496.9	12	65	mg/kg-oc	41.4	7.6	no data
CB384	S	3/14/2007	Aroclor 1254	15	3.22	465.8	12	65	mg/kg-oc	38.8	7.2	no data
CB384	S	3/14/2007	Aroclor 1260	4.3	3.22	133.5	12	65	mg/kg-oc	11.1	2.1	no data
CB384	S	3/14/2007	PCB, total	19.3	3.22	599.4	12	65	mg/kg-oc	49.9	9.2	no data
CB384B	S	9/23/2008	Aroclor 1254	3.6	3.22	111.8	12	65	mg/kg-oc	9.3	1.7	Document 2109
CB387		8/14/2000	Aroclor 1254	24	3.22	745.3	12	65	mg/kg-oc	62.1	11.5	PCB Report
CB387		8/14/2000	Aroclor 1260	3.3	3.22	102.5	12	65	mg/kg-oc	8.5	1.6	PCB Report
CB387		8/14/2000	PCB, total	27	3.22	838.5	12	65	mg/kg-oc	69.9	12.9	PCB Report
CB405		8/14/2000	Aroclor 1254	1.5	3.22	46.6	12	65	mg/kg-oc	3.9	0.7	PCB Report
CB405		8/14/2000	Aroclor 1260	1.3	3.22	40.4	12	65	mg/kg-oc	3.4	0.6	PCB Report
CB405		8/14/2000	PCB, total	2.8	3.22	87.0	12	65	mg/kg-oc	7.2	1.3	PCB Report
CB405A		8/14/2000	Aroclor 1254	0.59	3.22	18.3	12	65	mg/kg-oc	1.5	0.3	PCB Report
CB405A		8/14/2000	Aroclor 1260	0.47	3.22	14.6	12	65	mg/kg-oc	1.2	0.2	PCB Report
CB405A		8/14/2000	PCB, total	1.1	3.22	34.2	12	65	mg/kg-oc	2.8	0.5	PCB Report
CB405B		8/14/2000	Aroclor 1254	0.89	3.22	27.6	12	65	mg/kg-oc	2.3	0.4	PCB Report
CB405B		8/14/2000	Aroclor 1260	0.8	3.22	24.8	12	65	mg/kg-oc	2.1	0.4	PCB Report
CB405B		8/14/2000	PCB, total	1.7	3.22	52.8	12	65	mg/kg-oc	4.4	0.8	PCB Report
CB406		8/10/2000	Aroclor 1254	5.8	3.22	180.1	12	65	mg/kg-oc	15.0	2.8	PCB Report
CB406		8/10/2000	Aroclor 1260	4.3	3.22	133.5	12	65	mg/kg-oc	11.1	2.1	PCB Report
CB406		8/10/2000	PCB, total	10	3.22	310.6	12	65	mg/kg-oc	25.9	4.8	PCB Report
CB407		8/10/2000	Aroclor 1254	1.5	3.22	46.6	12	65	mg/kg-oc	3.9	0.7	PCB Report
CB407		8/10/2000	Aroclor 1260	1.2	3.22	37.3	12	65	mg/kg-oc	3.1	0.6	PCB Report
CB407		8/10/2000	PCB, total	2.7	3.22	83.9	12	65	mg/kg-oc	7.0	1.3	PCB Report



**Table G-1  
North Boeig Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
CB408		8/10/2000	Aroclor 1254	6.5	3.22	201.9	12	65	mg/kg-oc	16.8	3.1	PCB Report
CB408		8/10/2000	Aroclor 1260	6.5	3.22	201.9	12	65	mg/kg-oc	16.8	3.1	PCB Report
CB408		8/10/2000	PCB, total	13	3.22	403.7	12	65	mg/kg-oc	33.6	6.2	PCB Report
CB412		8/10/2000	Aroclor 1254	5.8	3.22	180.1	12	65	mg/kg-oc	15.0	2.8	PCB Report
CB412		8/10/2000	Aroclor 1260	4.8	3.22	149.1	12	65	mg/kg-oc	12.4	2.3	PCB Report
CB412		8/10/2000	PCB, total	11	3.22	341.6	12	65	mg/kg-oc	28.5	5.3	PCB Report
CB415	NC	9/22/2008	Aroclor 1254	8.2	3.22	254.7	12	65	mg/kg-oc	21.2	3.9	Document 2109
CB415	NC	9/22/2008	PCB, total	8.2	3.22	254.7	12	65	mg/kg-oc	21.2	3.9	Document 2109
CB416	NC	7/19/2000	Aroclor 1254	32.6355	3.22	1013.5	12	65	mg/kg-oc	84.5	15.6	PCB Report
CB416	NC	7/19/2000	Aroclor 1260	9.6675	3.22	300.2	12	65	mg/kg-oc	25.0	4.6	PCB Report
CB416	NC	7/19/2000	PCB, total	42.302	3.22	1313.7	12	65	mg/kg-oc	109.5	20.2	PCB Report
CB416	NC	5/13/2005	Aroclor 1254	50	3.22	1552.8	12	65	mg/kg-oc	129.4	23.9	no data
CB416	NC	5/13/2005	PCB, total	50	3.22	1552.8	12	65	mg/kg-oc	129.4	23.9	no data
CB416	NC	6/6/2005	Aroclor 1254	16	3.22	496.9	12	65	mg/kg-oc	41.4	7.6	no data
CB416	NC	6/6/2005	PCB, total	16	3.22	496.9	12	65	mg/kg-oc	41.4	7.6	no data
CB416	NC	7/26/2006	Aroclor 1254	11	3.22	341.6	12	65	mg/kg-oc	28.5	5.3	no data
CB416	NC	7/26/2006	Aroclor 1260	3.6	3.22	111.8	12	65	mg/kg-oc	9.3	1.7	no data
CB416	NC	7/26/2006	PCB, total	14.6	3.22	453.4	12	65	mg/kg-oc	37.8	7.0	no data
CB416	NC	3/14/2007	Aroclor 1254	2.6	3.22	80.7	12	65	mg/kg-oc	6.7	1.2	no data
CB416	NC	3/14/2007	Aroclor 1260	1.1	3.22	34.2	12	65	mg/kg-oc	2.8	0.5	no data
CB416	NC	3/14/2007	PCB, total	3.7	3.22	114.9	12	65	mg/kg-oc	9.6	1.8	no data
CB418	NC	7/19/2000	Aroclor 1254	17.23	3.22	535.1	12	65	mg/kg-oc	44.6	8.2	PCB Report
CB418	NC	7/19/2000	Aroclor 1260	5.58	3.22	173.3	12	65	mg/kg-oc	14.4	2.7	PCB Report
CB418	NC	7/19/2000	PCB, total	22.82	3.22	708.7	12	65	mg/kg-oc	59.1	10.9	PCB Report
CB418	NC	6/6/2005	Aroclor 1254	4	3.22	124.2	12	65	mg/kg-oc	10.4	1.9	no data
CB418	NC	6/6/2005	PCB, total	4	3.22	124.2	12	65	mg/kg-oc	10.4	1.9	no data
CB418	NC	3/14/2007	Aroclor 1254	1.9	3.22	59.0	12	65	mg/kg-oc	4.9	0.9	no data
CB418	NC	3/14/2007	Aroclor 1260	0.91	3.22	28.3	12	65	mg/kg-oc	2.4	0.4	no data
CB418	NC	3/14/2007	PCB, total	2.81	3.22	87.3	12	65	mg/kg-oc	7.3	1.3	no data
CB419	NC	7/19/2000	Aroclor 1254	13.97	3.22	433.9	12	65	mg/kg-oc	36.2	6.7	PCB Report
CB419	NC	7/19/2000	Aroclor 1260	3.15	3.22	97.8	12	65	mg/kg-oc	8.2	1.5	PCB Report
CB419	NC	7/19/2000	PCB, total	17.12	3.22	531.7	12	65	mg/kg-oc	44.3	8.2	PCB Report
CB419	NC	6/6/2005	Aroclor 1254	22	3.22	683.2	12	65	mg/kg-oc	56.9	10.5	no data
CB419	NC	6/6/2005	PCB, total	22	3.22	683.2	12	65	mg/kg-oc	56.9	10.5	no data
CB419	NC	7/26/2006	Aroclor 1254	6.2	3.22	192.5	12	65	mg/kg-oc	16.0	3.0	no data
CB419	NC	7/26/2006	PCB, total	6.2	3.22	192.5	12	65	mg/kg-oc	16.0	3.0	no data
CB419	NC	3/14/2007	Aroclor 1254	2.4	3.22	74.5	12	65	mg/kg-oc	6.2	1.1	no data
CB419	NC	3/14/2007	Aroclor 1260	0.96	3.22	29.8	12	65	mg/kg-oc	2.5	0.5	no data
CB419	NC	3/14/2007	PCB, total	3.36	3.22	104.3	12	65	mg/kg-oc	8.7	1.6	no data
CB420	NC	5/13/2005	Aroclor 1254	30	3.22	931.7	12	65	mg/kg-oc	77.6	14.3	no data
CB420	NC	5/13/2005	PCB, total	30	3.22	931.7	12	65	mg/kg-oc	77.6	14.3	no data
CB420	NC	7/26/2006	Aroclor 1254	8.4	3.22	260.9	12	65	mg/kg-oc	21.7	4.0	no data
CB420	NC	7/26/2006	PCB, total	8.4	3.22	260.9	12	65	mg/kg-oc	21.7	4.0	no data
CB420	NC	3/14/2007	Aroclor 1254	2.7	3.22	83.9	12	65	mg/kg-oc	7.0	1.3	no data
CB420	NC	3/14/2007	Aroclor 1260	1	3.22	31.1	12	65	mg/kg-oc	2.6	0.5	no data

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
CB420	NC	3/14/2007	PCB, total	3.7	3.22	114.9	12	65	mg/kg-oc	9.6	1.8	no data
CB423A	D2	11/18/2008	Aroclor 1254	0.2	3.22	6.2	12	65	mg/kg-oc	0.5	0.1	Document 2348
CB423A	D2	11/18/2008	PCB, total	0.2	3.22	6.2	12	65	mg/kg-oc	0.5	0.1	Document 2348
CB423A	D2	12/30/2008	Aroclor 1248	0.07	3.22	2.2	12	65	mg/kg-oc	0.2	0.0	Document 2499
CB423A	D2	12/30/2008	Aroclor 1254	0.14	3.22	4.3	12	65	mg/kg-oc	0.4	0.1	Document 2499
CB423A	D2	12/30/2008	Aroclor 1260	0.04	3.22	1.2	12	65	mg/kg-oc	0.1	0.0	Document 2499
CB423A	D2	12/30/2008	PCB, total	0.25	3.22	7.8	12	65	mg/kg-oc	0.6	0.1	Document 2499
CB427	D2	11/18/2008	Aroclor 1254	0.16	3.22	5.0	12	65	mg/kg-oc	0.4	0.1	Document 2348
CB427	D2	11/18/2008	Aroclor 1260	0.11	3.22	3.4	12	65	mg/kg-oc	0.3	0.1	Document 2348
CB427	D2	11/18/2008	Mercury	0.06			0.41	0.59	mg/kg-dw	0.1	0.1	Document 2348
CB427	D2	11/18/2008	PCB, total	0.27	3.22	8.4	12	65	mg/kg-oc	0.7	0.1	Document 2348
CB427-Dup	D2	11/18/2008	Aroclor 1254	0.17	3.22	5.3	12	65	mg/kg-oc	0.4	0.1	Document 2348
CB427-Dup	D2	11/18/2008	Aroclor 1260	0.14	3.22	4.3	12	65	mg/kg-oc	0.4	0.1	Document 2348
CB427-Dup	D2	11/18/2008	Mercury	0.06			0.41	0.59	mg/kg-dw	0.1	0.1	Document 2348
CB427-Dup	D2	11/18/2008	PCB, total	0.31	3.22	9.6	12	65	mg/kg-oc	0.8	0.1	Document 2348
CB429	D2	11/18/2008	Aroclor 1254	0.15	3.22	4.7	12	65	mg/kg-oc	0.4	0.1	Document 2348
CB429	D2	11/18/2008	Aroclor 1260	0.11	3.22	3.4	12	65	mg/kg-oc	0.3	0.1	Document 2348
CB429	D2	11/18/2008	Mercury	0.15			0.41	0.59	mg/kg-dw	0.4	0.3	Document 2348
CB429	D2	11/18/2008	PCB, total	0.26	3.22	8.1	12	65	mg/kg-oc	0.7	0.1	Document 2348
CB435		4/24/2000	Aroclor 1254	0.481	3.22	14.9	12	65	mg/kg-oc	1.2	0.2	PCB Report
CB435		4/24/2000	Aroclor 1260	0.667	3.22	20.7	12	65	mg/kg-oc	1.7	0.3	PCB Report
CB435		4/24/2000	PCB, total	1.148	3.22	35.7	12	65	mg/kg-oc	3.0	0.5	PCB Report
CB436		4/24/2000	Aroclor 1254	0.338	3.22	10.5	12	65	mg/kg-oc	0.9	0.2	PCB Report
CB436		4/24/2000	Aroclor 1260	0.384	3.22	11.9	12	65	mg/kg-oc	1.0	0.2	PCB Report
CB436		4/24/2000	PCB, total	0.722	3.22	22.4	12	65	mg/kg-oc	1.9	0.3	PCB Report
CB446		7/26/2006	2-Methylnaphthalene	0.98	3.22	30.4	38	64	mg/kg-oc	0.8	0.5	no data
CB446		7/26/2006	Acenaphthene	0.32	3.22	9.9	16	57	mg/kg-oc	0.6	0.2	no data
CB446		7/26/2006	Anthracene	0.53	3.22	16.5	220	1200	mg/kg-oc	0.1	0.0	no data
CB446		7/26/2006	Benzo(a)anthracene	1.8	3.22	55.9	110	270	mg/kg-oc	0.5	0.2	no data
CB446		7/26/2006	Benzo(a)pyrene	2.5	3.22	77.6	99	210	mg/kg-oc	0.8	0.4	no data
CB446		7/26/2006	Benzo(b)fluoranthene	2.4	3.22	74.5	230	450	mg/kg-oc	0.3	0.2	no data
CB446		7/26/2006	Benzo(g,h,i)perylene	1.2	3.22	37.3	31	78	mg/kg-oc	1.2	0.5	no data
CB446		7/26/2006	Benzo(k)fluoranthene	2.2	3.22	68.3	230	450	mg/kg-oc	0.3	0.2	no data
CB446		7/26/2006	bis(2-Ethylhexyl)phthalate	5.9	3.22	183.2	47	78	mg/kg-oc	3.9	2.3	no data
CB446		7/26/2006	Butylbenzylphthalate	0.44	3.22	13.7	4.9	64	mg/kg-oc	2.8	0.2	no data
CB446		7/26/2006	Carbazole	0.46			NA	NA		#VALUE!	#VALUE!	no data
CB446		7/26/2006	Chrysene	2.4	3.22	74.5	110	460	mg/kg-oc	0.7	0.2	no data
CB446		7/26/2006	Di-n-octyl phthalate	0.55	3.22	17.1	58	4500	mg/kg-oc	0.3	0.0	no data
CB446		7/26/2006	Fluoranthene	5.3	3.22	164.6	160	1200	mg/kg-oc	1.0	0.1	no data
CB446		7/26/2006	Fluorene	0.37	3.22	11.5	23	79	mg/kg-oc	0.5	0.1	no data
CB446		7/26/2006	Indeno(1,2,3-cd)pyrene	1.2	3.22	37.3	34	88	mg/kg-oc	1.1	0.4	no data
CB446		7/26/2006	Phenanthrene	2.9	3.22	90.1	100	480	mg/kg-oc	0.9	0.2	no data
CB446		7/26/2006	Pyrene	3.7	3.22	114.9	1000	1400	mg/kg-oc	0.1	0.1	no data
CB448		4/11/2000	Aroclor 1254	5.204	3.22	161.6	12	65	mg/kg-oc	13.5	2.5	PCB Report
CB448		4/11/2000	Aroclor 1260	2.04	3.22	63.4	12	65	mg/kg-oc	5.3	1.0	PCB Report

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
CB448		4/11/2000	PCB, total	7.244	3.22	225.0	12	65	mg/kg-oc	18.7	3.5	PCB Report
CB451		4/11/2000	Aroclor 1254	0.5904	3.22	18.3	12	65	mg/kg-oc	1.5	0.3	PCB Report
CB451		4/11/2000	Aroclor 1260	0.4453	3.22	13.8	12	65	mg/kg-oc	1.2	0.2	PCB Report
CB451		4/11/2000	PCB, total	1.035	3.22	32.1	12	65	mg/kg-oc	2.7	0.5	PCB Report
CB453		8/13/1998	Aroclor 1254	1.3	3.22	40.4	12	65	mg/kg-oc	3.4	0.6	PCB Report
CB453		8/13/1998	Aroclor 1260	0.34	3.22	10.6	12	65	mg/kg-oc	0.9	0.2	PCB Report
CB453		8/13/1998	PCB, total	1.64	3.22	50.9	12	65	mg/kg-oc	4.2	0.8	PCB Report
CB453		4/11/2000	Aroclor 1254	12.936	3.22	401.7	12	65	mg/kg-oc	33.5	6.2	PCB Report
CB453		4/11/2000	Aroclor 1260	3.779	3.22	117.4	12	65	mg/kg-oc	9.8	1.8	PCB Report
CB453		4/11/2000	PCB, total	16.715	3.22	519.1	12	65	mg/kg-oc	43.3	8.0	PCB Report
CB456		4/11/2000	Aroclor 1254	4.631	3.22	143.8	12	65	mg/kg-oc	12.0	2.2	PCB Report
CB456		4/11/2000	Aroclor 1260	3.087	3.22	95.9	12	65	mg/kg-oc	8.0	1.5	PCB Report
CB456		4/11/2000	PCB, total	7.718	3.22	239.7	12	65	mg/kg-oc	20.0	3.7	PCB Report
CB458		4/11/2000	Aroclor 1254	2.646	3.22	82.2	12	65	mg/kg-oc	6.8	1.3	PCB Report
CB458		4/11/2000	Aroclor 1260	2.268	3.22	70.4	12	65	mg/kg-oc	5.9	1.1	PCB Report
CB458		4/11/2000	PCB, total	4.914	3.22	152.6	12	65	mg/kg-oc	12.7	2.3	PCB Report
CB462		7/10/2000	Aroclor 1254	0.59	3.22	18.3	12	65	mg/kg-oc	1.5	0.3	PCB Report
CB462		7/10/2000	Aroclor 1260	0.44	3.22	13.7	12	65	mg/kg-oc	1.1	0.2	PCB Report
CB462		7/10/2000	PCB, total	1.03	3.22	32.0	12	65	mg/kg-oc	2.7	0.5	PCB Report
CB463	SC	6/4/2000	Aroclor 1254	1.103	3.22	34.3	12	65	mg/kg-oc	2.9	0.5	PCB Report
CB463	SC	6/4/2000	Aroclor 1260	0.521	3.22	16.2	12	65	mg/kg-oc	1.3	0.2	PCB Report
CB463	SC	6/4/2000	PCB, total	1.624	3.22	50.4	12	65	mg/kg-oc	4.2	0.8	PCB Report
CB463	SC	4/10/2007	Aroclor 1254	4.3	3.22	133.5	12	65	mg/kg-oc	11.1	2.1	no data
CB463	SC	4/10/2007	Aroclor 1260	1.2	3.22	37.3	12	65	mg/kg-oc	3.1	0.6	no data
CB463	SC	4/10/2007	PCB, total	5.5	3.22	170.8	12	65	mg/kg-oc	14.2	2.6	no data
CB471		8/10/2000	Aroclor 1254	10.7395	3.22	333.5	12	65	mg/kg-oc	27.8	5.1	PCB Report
CB471		8/10/2000	Aroclor 1260	4.9095	3.22	152.5	12	65	mg/kg-oc	12.7	2.3	PCB Report
CB471		8/10/2000	PCB, total	15.648	3.22	486.0	12	65	mg/kg-oc	40.5	7.5	PCB Report
CB472	SC	3/6/1997	Aroclor 1254	3.8	3.22	118.0	12	65	mg/kg-oc	9.8	1.8	PCB Report
CB472	SC	3/6/1997	PCB, total	3.8	3.22	118.0	12	65	mg/kg-oc	9.8	1.8	PCB Report
CB472	SC	9/25/1997	Aroclor 1254	6.9	3.22	214.3	12	65	mg/kg-oc	17.9	3.3	PCB Report
CB472	SC	9/25/1997	PCB, total	6.9	3.22	214.3	12	65	mg/kg-oc	17.9	3.3	PCB Report
CB472	SC	8/14/1998	Aroclor 1254	1.5	3.22	46.6	12	65	mg/kg-oc	3.9	0.7	PCB Report
CB472	SC	8/14/1998	PCB, total	1.5	3.22	46.6	12	65	mg/kg-oc	3.9	0.7	PCB Report
CB472	SC	7/10/2000	Aroclor 1254	0.599	3.22	18.6	12	65	mg/kg-oc	1.6	0.3	PCB Report
CB472	SC	7/10/2000	Aroclor 1260	0.4156	3.22	12.9	12	65	mg/kg-oc	1.1	0.2	PCB Report
CB472	SC	7/10/2000	PCB, total	1.015	3.22	31.5	12	65	mg/kg-oc	2.6	0.5	PCB Report
CB472	SC	4/10/2007	Aroclor 1254	0.14	3.22	4.3	12	65	mg/kg-oc	0.4	0.1	no data
CB472	SC	4/10/2007	Aroclor 1260	0.044	3.22	1.4	12	65	mg/kg-oc	0.1	0.0	no data
CB472	SC	4/10/2007	PCB, total	0.184	3.22	5.7	12	65	mg/kg-oc	0.5	0.1	no data
CB473	SC	3/6/1997	Aroclor 1254	6.1	3.22	189.4	12	65	mg/kg-oc	15.8	2.9	PCB Report
CB473	SC	3/6/1997	PCB, total	6.1	3.22	189.4	12	65	mg/kg-oc	15.8	2.9	PCB Report
CB473	SC	8/14/1998	Aroclor 1254	9.2	3.22	285.7	12	65	mg/kg-oc	23.8	4.4	PCB Report
CB473	SC	8/14/1998	PCB, total	9.2	3.22	285.7	12	65	mg/kg-oc	23.8	4.4	PCB Report
CB473	SC	6/4/2000	Aroclor 1254	2.886	3.22	89.6	12	65	mg/kg-oc	7.5	1.4	PCB Report

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
CB473	SC	6/4/2000	Aroclor 1260	1.443	3.22	44.8	12	65	mg/kg-oc	3.7	0.7	PCB Report
CB473	SC	6/4/2000	PCB, total	4.329	3.22	134.4	12	65	mg/kg-oc	11.2	2.1	PCB Report
CB473	SC	4/10/2007	Aroclor 1254	1.3	3.22	40.4	12	65	mg/kg-oc	3.4	0.6	no data
CB473	SC	4/10/2007	PCB, total	1.3	3.22	40.4	12	65	mg/kg-oc	3.4	0.6	no data
CB474		7/10/2000	Aroclor 1254	27.68	3.22	859.6	12	65	mg/kg-oc	71.6	13.2	PCB Report
CB474		7/10/2000	Aroclor 1260	8.86	3.22	275.2	12	65	mg/kg-oc	22.9	4.2	PCB Report
CB474		7/10/2000	PCB, total	36.54	3.22	1134.8	12	65	mg/kg-oc	94.6	17.5	PCB Report
CB475		7/10/2000	Aroclor 1254	2.37	3.22	73.6	12	65	mg/kg-oc	6.1	1.1	PCB Report
CB475		7/10/2000	Aroclor 1260	1.52	3.22	47.2	12	65	mg/kg-oc	3.9	0.7	PCB Report
CB475		7/10/2000	PCB, total	3.88	3.22	120.5	12	65	mg/kg-oc	10.0	1.9	PCB Report
CB476		7/10/2000	Aroclor 1254	3.54	3.22	109.9	12	65	mg/kg-oc	9.2	1.7	PCB Report
CB476		7/10/2000	Aroclor 1260	1.38	3.22	42.9	12	65	mg/kg-oc	3.6	0.7	PCB Report
CB476		7/10/2000	PCB, total	4.92	3.22	152.8	12	65	mg/kg-oc	12.7	2.4	PCB Report
CB483		7/10/2000	Aroclor 1254	1.77	3.22	55.0	12	65	mg/kg-oc	4.6	0.8	PCB Report
CB483		7/10/2000	Aroclor 1260	0.68	3.22	21.1	12	65	mg/kg-oc	1.8	0.3	PCB Report
CB483		7/10/2000	PCB, total	2.46	3.22	76.4	12	65	mg/kg-oc	6.4	1.2	PCB Report
CB484		7/10/2000	Aroclor 1254	0.48	3.22	14.9	12	65	mg/kg-oc	1.2	0.2	PCB Report
CB484		7/10/2000	Aroclor 1260	0.35	3.22	10.9	12	65	mg/kg-oc	0.9	0.2	PCB Report
CB484		7/10/2000	PCB, total	0.83	3.22	25.8	12	65	mg/kg-oc	2.1	0.4	PCB Report
CB485		6/4/2000	Aroclor 1254	0.514	3.22	16.0	12	65	mg/kg-oc	1.3	0.2	PCB Report
CB485		6/4/2000	Aroclor 1260	0.39	3.22	12.1	12	65	mg/kg-oc	1.0	0.2	PCB Report
CB485		6/4/2000	PCB, total	0.904	3.22	28.1	12	65	mg/kg-oc	2.3	0.4	PCB Report
CB486		7/10/2000	Aroclor 1254	1.15	3.22	35.7	12	65	mg/kg-oc	3.0	0.5	PCB Report
CB486		7/10/2000	Aroclor 1260	0.77	3.22	23.9	12	65	mg/kg-oc	2.0	0.4	PCB Report
CB486		7/10/2000	PCB, total	1.92	3.22	59.6	12	65	mg/kg-oc	5.0	0.9	PCB Report
CB487		7/10/2000	Aroclor 1254	2.13	3.22	66.1	12	65	mg/kg-oc	5.5	1.0	PCB Report
CB487		7/10/2000	Aroclor 1260	1.29	3.22	40.1	12	65	mg/kg-oc	3.3	0.6	PCB Report
CB487		7/10/2000	PCB, total	3.42	3.22	106.2	12	65	mg/kg-oc	8.9	1.6	PCB Report
CB488		8/14/1998	Aroclor 1254	3	3.22	93.2	12	65	mg/kg-oc	7.8	1.4	PCB Report
CB488		8/14/1998	PCB, total	3	3.22	93.2	12	65	mg/kg-oc	7.8	1.4	PCB Report
CB488		7/10/2000	Aroclor 1254	1.565	3.22	48.6	12	65	mg/kg-oc	4.1	0.7	PCB Report
CB488		7/10/2000	Aroclor 1260	1.483	3.22	46.1	12	65	mg/kg-oc	3.8	0.7	PCB Report
CB488		7/10/2000	PCB, total	3.048	3.22	94.7	12	65	mg/kg-oc	7.9	1.5	PCB Report
CB489		6/4/2000	Aroclor 1254	0.59	3.22	18.3	12	65	mg/kg-oc	1.5	0.3	PCB Report
CB489		6/4/2000	Aroclor 1260	0.482	3.22	15.0	12	65	mg/kg-oc	1.2	0.2	PCB Report
CB489		6/4/2000	PCB, total	1.072	3.22	33.3	12	65	mg/kg-oc	2.8	0.5	PCB Report
CB490		7/10/2000	Aroclor 1254	4.065	3.22	126.2	12	65	mg/kg-oc	10.5	1.9	PCB Report
CB490		7/10/2000	Aroclor 1260	4.968	3.22	154.3	12	65	mg/kg-oc	12.9	2.4	PCB Report
CB490		7/10/2000	PCB, total	9.033	3.22	280.5	12	65	mg/kg-oc	23.4	4.3	PCB Report
CB491		7/10/2000	Aroclor 1254	0.424	3.22	13.2	12	65	mg/kg-oc	1.1	0.2	PCB Report
CB491		7/10/2000	Aroclor 1260	0.588	3.22	18.3	12	65	mg/kg-oc	1.5	0.3	PCB Report
CB491		7/10/2000	PCB, total	1.012	3.22	31.4	12	65	mg/kg-oc	2.6	0.5	PCB Report
CB502		7/11/2000	Aroclor 1254	4.0703	3.22	126.4	12	65	mg/kg-oc	10.5	1.9	PCB Report
CB502		7/11/2000	Aroclor 1260	1.3025	3.22	40.5	12	65	mg/kg-oc	3.4	0.6	PCB Report
CB502		7/11/2000	PCB, total	5.373	3.22	166.9	12	65	mg/kg-oc	13.9	2.6	PCB Report

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name	
CB503		7/11/2000	Aroclor 1254	0.785		3.22	24.4	12	65	mg/kg-oc	2.0	0.4	PCB Report
CB503		7/11/2000	Aroclor 1260	1.57		3.22	48.8	12	65	mg/kg-oc	4.1	0.8	PCB Report
CB503		7/11/2000	PCB, total	2.355		3.22	73.1	12	65	mg/kg-oc	6.1	1.1	PCB Report
CB509		8/17/1998	Aroclor 1254	0.69	J	3.22	21.4	12	65	mg/kg-oc	1.8	0.3	PCB Report
CB509		8/17/1998	Aroclor 1260	0.51	J	3.22	15.8	12	65	mg/kg-oc	1.3	0.2	PCB Report
CB509		8/17/1998	PCB, total	1.2		3.22	37.3	12	65	mg/kg-oc	3.1	0.6	PCB Report
CB509		4/11/2000	Aroclor 1254	1.333		3.22	41.4	12	65	mg/kg-oc	3.4	0.6	PCB Report
CB509		4/11/2000	Aroclor 1260	2.252		3.22	69.9	12	65	mg/kg-oc	5.8	1.1	PCB Report
CB509		4/11/2000	PCB, total	3.585		3.22	111.3	12	65	mg/kg-oc	9.3	1.7	PCB Report
CB528		4/24/2000	Aroclor 1260	0.195		3.22	6.1	12	65	mg/kg-oc	0.5	0.1	PCB Report
CB528		4/24/2000	PCB, total	0.195		3.22	6.1	12	65	mg/kg-oc	0.5	0.1	PCB Report
CB535		4/24/2000	Aroclor 1254	0.379		3.22	11.8	12	65	mg/kg-oc	1.0	0.2	PCB Report
CB535		4/24/2000	Aroclor 1260	0.379		3.22	11.8	12	65	mg/kg-oc	1.0	0.2	PCB Report
CB535		4/24/2000	PCB, total	0.758		3.22	23.5	12	65	mg/kg-oc	2.0	0.4	PCB Report
CB541		4/12/2000	Aroclor 1254	0.208		3.22	6.5	12	65	mg/kg-oc	0.5	0.1	PCB Report
CB541		4/12/2000	Aroclor 1260	0.135		3.22	4.2	12	65	mg/kg-oc	0.3	0.1	PCB Report
CB541		4/12/2000	PCB, total	0.343		3.22	10.7	12	65	mg/kg-oc	0.9	0.2	PCB Report
CB542		8/18/1998	Aroclor 1254	0.82		3.22	25.5	12	65	mg/kg-oc	2.1	0.4	PCB Report
CB542		8/18/1998	Aroclor 1260	0.54		3.22	16.8	12	65	mg/kg-oc	1.4	0.3	PCB Report
CB542		8/18/1998	PCB, total	1.36		3.22	42.2	12	65	mg/kg-oc	3.5	0.6	PCB Report
CB542		4/24/2000	Aroclor 1254	0.5082		3.22	15.8	12	65	mg/kg-oc	1.3	0.2	PCB Report
CB542		4/24/2000	Aroclor 1260	0.4121		3.22	12.8	12	65	mg/kg-oc	1.1	0.2	PCB Report
CB542		4/24/2000	PCB, total	0.92		3.22	28.6	12	65	mg/kg-oc	2.4	0.4	PCB Report
CB543		7/19/2000	Aroclor 1254	2		3.22	62.1	12	65	mg/kg-oc	5.2	1.0	PCB Report
CB543		7/19/2000	Aroclor 1260	1.49		3.22	46.3	12	65	mg/kg-oc	3.9	0.7	PCB Report
CB543		7/19/2000	PCB, total	3.49		3.22	108.4	12	65	mg/kg-oc	9.0	1.7	PCB Report
CB544		7/19/2000	Aroclor 1254	0.12		3.22	3.7	12	65	mg/kg-oc	0.3	0.1	PCB Report
CB544		7/19/2000	Aroclor 1260	0.27		3.22	8.4	12	65	mg/kg-oc	0.7	0.1	PCB Report
CB544		7/19/2000	PCB, total	0.39		3.22	12.1	12	65	mg/kg-oc	1.0	0.2	PCB Report
CB546		7/19/2000	Aroclor 1254	0.19		3.22	5.9	12	65	mg/kg-oc	0.5	0.1	PCB Report
CB546		7/19/2000	Aroclor 1260	0.26		3.22	8.1	12	65	mg/kg-oc	0.7	0.1	PCB Report
CB546		7/19/2000	PCB, total	0.46		3.22	14.3	12	65	mg/kg-oc	1.2	0.2	PCB Report
CB547		7/11/2000	Aroclor 1254	0.235		3.22	7.3	12	65	mg/kg-oc	0.6	0.1	PCB Report
CB547		7/11/2000	Aroclor 1260	0.47		3.22	14.6	12	65	mg/kg-oc	1.2	0.2	PCB Report
CB547		7/11/2000	PCB, total	0.705		3.22	21.9	12	65	mg/kg-oc	1.8	0.3	PCB Report
CB551		7/11/2000	Aroclor 1254	0.229		3.22	7.1	12	65	mg/kg-oc	0.6	0.1	PCB Report
CB551		7/11/2000	Aroclor 1260	0.262		3.22	8.1	12	65	mg/kg-oc	0.7	0.1	PCB Report
CB551		7/11/2000	PCB, total	0.491		3.22	15.2	12	65	mg/kg-oc	1.3	0.2	PCB Report
CB565		8/18/1998	Aroclor 1254	0.093		3.22	2.9	12	65	mg/kg-oc	0.2	0.0	PCB Report
CB565		8/18/1998	Aroclor 1260	0.038	J	3.22	1.2	12	65	mg/kg-oc	0.1	0.0	PCB Report
CB565		8/18/1998	PCB, total	0.131		3.22	4.1	12	65	mg/kg-oc	0.3	0.1	PCB Report
CB565		5/21/2000	Aroclor 1260	0.05		3.22	1.6	12	65	mg/kg-oc	0.1	0.0	PCB Report
CB565		5/21/2000	PCB, total	0.05		3.22	1.6	12	65	mg/kg-oc	0.1	0.0	PCB Report
CB583		7/26/2006	Aroclor 1254	3.3		3.22	102.5	12	65	mg/kg-oc	8.5	1.6	no data
CB583		7/26/2006	PCB, total	3.3		3.22	102.5	12	65	mg/kg-oc	8.5	1.6	no data

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
CB584		9/26/1997	Aroclor 1254	51	3.22	1583.9	12	65	mg/kg-oc	132.0	24.4	PCB Report
CB584		9/26/1997	PCB, total	51	3.22	1583.9	12	65	mg/kg-oc	132.0	24.4	PCB Report
CB584		8/18/1998	Aroclor 1254	31	3.22	962.7	12	65	mg/kg-oc	80.2	14.8	PCB Report
CB584		8/18/1998	Aroclor 1254	36	3.22	1118.0	12	65	mg/kg-oc	93.2	17.2	PCB Report
CB584		8/18/1998	PCB, total	31	3.22	962.7	12	65	mg/kg-oc	80.2	14.8	PCB Report
CB584		8/18/1998	PCB, total	36	3.22	1118.0	12	65	mg/kg-oc	93.2	17.2	PCB Report
CB584		5/21/2000	Aroclor 1254	127.709	3.22	3966.1	12	65	mg/kg-oc	330.5	61.0	PCB Report
CB584		5/21/2000	Aroclor 1260	84.832	3.22	2634.5	12	65	mg/kg-oc	219.5	40.5	PCB Report
CB584		5/21/2000	PCB, total	212.541	3.22	6600.7	12	65	mg/kg-oc	550.1	101.5	PCB Report
CB584		7/26/2006	Aroclor 1254	9.3	3.22	288.8	12	65	mg/kg-oc	24.1	4.4	no data
CB584		7/26/2006	PCB, total	9.3	3.22	288.8	12	65	mg/kg-oc	24.1	4.4	no data
CB585		7/26/2006	Aroclor 1254	0.37	3.22	11.5	12	65	mg/kg-oc	1.0	0.2	no data
CB585		7/26/2006	Aroclor 1260	0.19	3.22	5.9	12	65	mg/kg-oc	0.5	0.1	no data
CB585		7/26/2006	PCB, total	0.56	3.22	17.4	12	65	mg/kg-oc	1.4	0.3	no data
CB602		5/21/2000	Aroclor 1016/1242	0.1488	3.22	4.6	12	65	mg/kg-oc	0.4	0.1	PCB Report
CB602		5/21/2000	Aroclor 1260	0.186	3.22	5.8	12	65	mg/kg-oc	0.5	0.1	PCB Report
CB602		5/21/2000	PCB, total	0.335	3.22	10.4	12	65	mg/kg-oc	0.9	0.2	PCB Report
CB604		5/21/2000	Aroclor 1016/1242	0.22	3.22	6.8	12	65	mg/kg-oc	0.6	0.1	PCB Report
CB604		5/21/2000	Aroclor 1260	0.2	3.22	6.2	12	65	mg/kg-oc	0.5	0.1	PCB Report
CB604		5/21/2000	PCB, total	0.42	3.22	13.0	12	65	mg/kg-oc	1.1	0.2	PCB Report
CB611		8/7/1998	Aroclor 1254	0.2	3.22	6.2	12	65	mg/kg-oc	0.5	0.1	PCB Report
CB611		8/7/1998	Aroclor 1260	0.05	3.22	1.6	12	65	mg/kg-oc	0.1	0.0	PCB Report
CB611		8/7/1998	PCB, total	0.25	3.22	7.8	12	65	mg/kg-oc	0.6	0.1	PCB Report
CB615		9/22/1997	Aroclor 1254	1.6	3.22	49.7	12	65	mg/kg-oc	4.1	0.8	PCB Report
CB615		9/22/1997	PCB, total	1.6	3.22	49.7	12	65	mg/kg-oc	4.1	0.8	PCB Report
CB615		8/10/1998	Aroclor 1254	0.43	3.22	13.4	12	65	mg/kg-oc	1.1	0.2	PCB Report
CB615		8/10/1998	Aroclor 1260	0.29	3.22	9.0	12	65	mg/kg-oc	0.8	0.1	PCB Report
CB615		8/10/1998	PCB, total	0.72	3.22	22.4	12	65	mg/kg-oc	1.9	0.3	PCB Report
CB625	N	5/14/2007	Aroclor 1254	0.13	3.22	4.0	12	65	mg/kg-oc	0.3	0.1	no data
CB625	N	5/14/2007	Aroclor 1260	0.12	3.22	3.7	12	65	mg/kg-oc	0.3	0.1	no data
CB625	N	5/14/2007	PCB, total	0.25	3.22	7.8	12	65	mg/kg-oc	0.6	0.1	no data
CB625A	N	5/14/2007	Aroclor 1254	0.2	3.22	6.2	12	65	mg/kg-oc	0.5	0.1	no data
CB625A	N	5/14/2007	Aroclor 1260	0.19	3.22	5.9	12	65	mg/kg-oc	0.5	0.1	no data
CB625A	N	5/14/2007	PCB, total	0.39	3.22	12.1	12	65	mg/kg-oc	1.0	0.2	no data
CB625B	N	5/14/2007	Aroclor 1254	0.7	3.22	21.7	12	65	mg/kg-oc	1.8	0.3	no data
CB625B	N	5/14/2007	Aroclor 1260	0.22	3.22	6.8	12	65	mg/kg-oc	0.6	0.1	no data
CB625B	N	5/14/2007	PCB, total	0.92	3.22	28.6	12	65	mg/kg-oc	2.4	0.4	no data
CB626	N	5/14/2007	Aroclor 1254	0.064	3.22	2.0	12	65	mg/kg-oc	0.2	0.0	no data
CB626	N	5/14/2007	Aroclor 1260	0.041	3.22	1.3	12	65	mg/kg-oc	0.1	0.0	no data
CB626	N	5/14/2007	PCB, total	0.105	3.22	3.3	12	65	mg/kg-oc	0.3	0.1	no data
CB627		8/10/1998	Aroclor 1254	0.51	3.22	15.8	12	65	mg/kg-oc	1.3	0.2	PCB Report
CB627		8/10/1998	PCB, total	0.51	3.22	15.8	12	65	mg/kg-oc	1.3	0.2	PCB Report
CB627		5/1/2000	Aroclor 1260	1.423	3.22	44.2	12	65	mg/kg-oc	3.7	0.7	PCB Report
CB627		5/1/2000	PCB, total	1.423	3.22	44.2	12	65	mg/kg-oc	3.7	0.7	PCB Report
CB636		4/11/2000	Aroclor 1254	0.961	3.22	29.8	12	65	mg/kg-oc	2.5	0.5	PCB Report



**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
CB636		4/11/2000	Aroclor 1260	0.835	3.22	25.9	12	65	mg/kg-oc	2.2	0.4	PCB Report
CB636		4/11/2000	PCB, total	1.796	3.22	55.8	12	65	mg/kg-oc	4.6	0.9	PCB Report
CB638		4/18/2000	Aroclor 1254	0.84	3.22	26.1	12	65	mg/kg-oc	2.2	0.4	PCB Report
CB638		4/18/2000	Aroclor 1260	0.67	3.22	20.8	12	65	mg/kg-oc	1.7	0.3	PCB Report
CB638		4/18/2000	PCB, total	1.51	3.22	46.9	12	65	mg/kg-oc	3.9	0.7	PCB Report
CB646		9/25/1997	Aroclor 1254	0.11	3.22	3.4	12	65	mg/kg-oc	0.3	0.1	PCB Report
CB646		9/25/1997	PCB, total	0.11	3.22	3.4	12	65	mg/kg-oc	0.3	0.1	PCB Report
CB834B		9/23/2008	PCB, total	3.6	3.22	111.8	12	65	mg/kg-oc	9.3	1.7	Document 2109
CD153B		8/10/1998	Aroclor 1254	0.23	3.22	7.1	12	65	mg/kg-oc	0.6	0.1	PCB Report
CD153B		8/10/1998	PCB, total	0.23	3.22	7.1	12	65	mg/kg-oc	0.6	0.1	PCB Report
CD434A		8/12/1998	Aroclor 1254	1.6	3.22	49.7	12	65	mg/kg-oc	4.1	0.8	PCB Report
CD434A		8/12/1998	Aroclor 1260	2.8	3.22	87.0	12	65	mg/kg-oc	7.2	1.3	PCB Report
CD434A		8/12/1998	PCB, total	4.4	3.22	136.6	12	65	mg/kg-oc	11.4	2.1	PCB Report
CD435A		8/12/1998	Aroclor 1254	2.3	3.22	71.4	12	65	mg/kg-oc	6.0	1.1	PCB Report
CD435A		8/12/1998	Aroclor 1260	2.6	3.22	80.7	12	65	mg/kg-oc	6.7	1.2	PCB Report
CD435A		8/12/1998	PCB, total	4.9	3.22	152.2	12	65	mg/kg-oc	12.7	2.3	PCB Report
CD578		8/18/1998	Aroclor 1254	0.45	3.22	14.0	12	65	mg/kg-oc	1.2	0.2	PCB Report
CD578		8/18/1998	Aroclor 1260	0.4	3.22	12.4	12	65	mg/kg-oc	1.0	0.2	PCB Report
CD578		8/18/1998	PCB, total	0.85	3.22	26.4	12	65	mg/kg-oc	2.2	0.4	PCB Report
CD581		8/18/1998	Aroclor 1254	0.29	3.22	9.0	12	65	mg/kg-oc	0.8	0.1	PCB Report
CD581		8/18/1998	Aroclor 1260	0.31	3.22	9.6	12	65	mg/kg-oc	0.8	0.1	PCB Report
CD581		8/18/1998	PCB, total	0.6	3.22	18.6	12	65	mg/kg-oc	1.6	0.3	PCB Report
D-63		8/23/1984	PCBs, total	0.3	3.22	9.3	12	65	mg/kg-oc	0.8	0.1	Document 1183
D-64		8/23/1984	PCBs, total	0.4	3.22	12.4	12	65	mg/kg-oc	1.0	0.2	Document 1183
DMH261		7/26/2006	Benzo(a)pyrene	3.6	3.22	111.8	99	210	mg/kg-oc	1.1	0.5	no data
DMH261		7/26/2006	Benzo(b)fluoranthene	4.2	3.22	130.4	230	450	mg/kg-oc	0.6	0.3	no data
DMH261		7/26/2006	Benzo(k)fluoranthene	6	3.22	186.3	230	450	mg/kg-oc	0.8	0.4	no data
DMH261		7/26/2006	bis(2-Ethylhexyl)phthalate	26	3.22	807.5	47	78	mg/kg-oc	17.2	10.4	no data
DMH261		7/26/2006	Chrysene	7.9	3.22	245.3	110	460	mg/kg-oc	2.2	0.5	no data
DMH261		7/26/2006	Fluoranthene	14	3.22	434.8	160	1200	mg/kg-oc	2.7	0.4	no data
DMH261		7/26/2006	Phenanthrene	7.4	3.22	229.8	100	480	mg/kg-oc	2.3	0.5	no data
DMH261		7/26/2006	Pyrene	9.4	3.22	291.9	1000	1400	mg/kg-oc	0.3	0.2	no data
DMH481		7/26/2006	Benzo(a)pyrene	0.072	3.22	2.2	99	210	mg/kg-oc	0.0	0.0	no data
DMH481		7/26/2006	Benzo(b)fluoranthene	0.088	3.22	2.7	230	450	mg/kg-oc	0.0	0.0	no data
DMH481		7/26/2006	Benzo(g,h,i)perylene	0.072	3.22	2.2	31	78	mg/kg-oc	0.1	0.0	no data
DMH481		7/26/2006	Benzo(k)fluoranthene	0.1	3.22	3.1	230	450	mg/kg-oc	0.0	0.0	no data
DMH481		7/26/2006	bis(2-Ethylhexyl)phthalate	1.1	3.22	34.2	47	78	mg/kg-oc	0.7	0.4	no data
DMH481		7/26/2006	Chrysene	0.076	3.22	2.4	110	460	mg/kg-oc	0.0	0.0	no data
DMH481		7/26/2006	Di-n-octyl phthalate	0.13	3.22	4.0	58	4500	mg/kg-oc	0.1	0.0	no data
DMH481		7/26/2006	Fluoranthene	0.14	3.22	4.3	160	1200	mg/kg-oc	0.0	0.0	no data
DMH481		7/26/2006	Pyrene	0.092	3.22	2.9	1000	1400	mg/kg-oc	0.0	0.0	no data
Flume		8/12/1982	Aroclor 1016/1242	4.4	3.22	136.6	12	65	mg/kg-oc	11.4	2.1	PCB Report
Flume		8/12/1982	Aroclor 1248	4.4	3.22	136.6	12	65	mg/kg-oc	11.4	2.1	PCB Report
Flume		8/12/1982	Aroclor 1254	3.6	3.22	111.8	12	65	mg/kg-oc	9.3	1.7	PCB Report
Flume		8/12/1982	Aroclor 1260	0.4	3.22	12.4	12	65	mg/kg-oc	1.0	0.2	PCB Report

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
Flume		8/12/1982	PCB, total	12.8	3.22	397.5	12	65	mg/kg-oc	33.1	6.1	PCB Report
Flume		5/14/1984	Aroclor 1254	520	3.22	16149.1	12	65	mg/kg-oc	1345.8	248.4	PCB Report
Flume		5/14/1984	PCB, total	520	3.22	16149.1	12	65	mg/kg-oc	1345.8	248.4	PCB Report
Flume		8/28/1984	Aroclor 1016/1242	280	3.22	8695.7	12	65	mg/kg-oc	724.6	133.8	PCB Report
Flume		8/28/1984	Aroclor 1254	320	3.22	9937.9	12	65	mg/kg-oc	828.2	152.9	PCB Report
Flume		8/28/1984	PCB, total	600	3.22	18633.5	12	65	mg/kg-oc	1552.8	286.7	PCB Report
Flume		7/15/1992	Aroclor 1254	0.16	3.22	5.0	12	65	mg/kg-oc	0.4	0.1	PCB Report
Flume		7/15/1992	Aroclor 1260	0.13	3.22	4.0	12	65	mg/kg-oc	0.3	0.1	PCB Report
Flume		7/15/1992	PCB, total	0.29	3.22	9.0	12	65	mg/kg-oc	0.8	0.1	PCB Report
Flume		7/17/1992	Aroclor 1254	11	3.22	341.6	12	65	mg/kg-oc	28.5	5.3	PCB Report
Flume		7/17/1992	Aroclor 1260	2.5	3.22	77.6	12	65	mg/kg-oc	6.5	1.2	PCB Report
Flume		7/17/1992	PCB, total	13.5	3.22	419.3	12	65	mg/kg-oc	34.9	6.5	PCB Report
Flume 578		5/21/2000	Aroclor 1254	0.29	3.22	9.0	12	65	mg/kg-oc	0.8	0.1	PCB Report
Flume 578		5/21/2000	Aroclor 1260	0.14	3.22	4.3	12	65	mg/kg-oc	0.4	0.1	PCB Report
Flume 578		5/21/2000	PCB, total	0.42	3.22	13.0	12	65	mg/kg-oc	1.1	0.2	PCB Report
Flume 581		5/21/2000	Aroclor 1254	0.76	3.22	23.6	12	65	mg/kg-oc	2.0	0.4	PCB Report
Flume 581		5/21/2000	Aroclor 1260	0.21	3.22	6.5	12	65	mg/kg-oc	0.5	0.1	PCB Report
Flume 581		5/21/2000	PCB, total	0.97	3.22	30.1	12	65	mg/kg-oc	2.5	0.5	PCB Report
FLUME1		9/23/2008	Aroclor 1248	3.8 J	3.22	118.0	12	65	mg/kg-oc	9.8	1.8	Document 2109
FLUME1		9/23/2008	Aroclor 1254	4.3 J	3.22	133.5	12	65	mg/kg-oc	11.1	2.1	Document 2109
FLUME1		9/23/2008	Aroclor 1260	1.4 J	3.22	43.5	12	65	mg/kg-oc	3.6	0.7	Document 2109
FLUME1		9/23/2008	PCB, total	9.5	3.22	295.0	12	65	mg/kg-oc	24.6	4.5	Document 2109
FLUME2		9/23/2008	Aroclor 1248	2	3.22	62.1	12	65	mg/kg-oc	5.2	1.0	Document 2109
FLUME2		9/23/2008	Aroclor 1254	2.1	3.22	65.2	12	65	mg/kg-oc	5.4	1.0	Document 2109
FLUME2		9/23/2008	PCB, total	4.1	3.22	127.3	12	65	mg/kg-oc	10.6	2.0	Document 2109
IN308A		4/11/2000	Aroclor 1254	0.14	3.22	4.3	12	65	mg/kg-oc	0.4	0.1	PCB Report
IN308A		4/11/2000	Aroclor 1260	0.162	3.22	5.0	12	65	mg/kg-oc	0.4	0.1	PCB Report
IN308A		4/11/2000	PCB, total	0.302	3.22	9.4	12	65	mg/kg-oc	0.8	0.1	PCB Report
IN388		8/14/2000	Aroclor 1254	12	3.22	372.7	12	65	mg/kg-oc	31.1	5.7	PCB Report
IN388		8/14/2000	Aroclor 1260	2.4	3.22	74.5	12	65	mg/kg-oc	6.2	1.1	PCB Report
IN388		8/14/2000	PCB, total	14	3.22	434.8	12	65	mg/kg-oc	36.2	6.7	PCB Report
IN437		8/12/1998	Aroclor 1254	0.73	3.22	22.7	12	65	mg/kg-oc	1.9	0.3	PCB Report
IN437		8/12/1998	Aroclor 1260	0.72	3.22	22.4	12	65	mg/kg-oc	1.9	0.3	PCB Report
IN437		8/12/1998	PCB, total	1.45	3.22	45.0	12	65	mg/kg-oc	3.8	0.7	PCB Report
IN437		5/20/2000	Aroclor 1254	3.9	3.22	121.1	12	65	mg/kg-oc	10.1	1.9	PCB Report
IN437		5/20/2000	Aroclor 1260	3.56	3.22	110.6	12	65	mg/kg-oc	9.2	1.7	PCB Report
IN437		5/20/2000	PCB, total	7.46	3.22	231.7	12	65	mg/kg-oc	19.3	3.6	PCB Report
LS431		7/16/1992	Aroclor 1254	1.5	3.22	46.6	12	65	mg/kg-oc	3.9	0.7	PCB Report
LS431		7/16/1992	Aroclor 1260	0.35	3.22	10.9	12	65	mg/kg-oc	0.9	0.2	PCB Report
LS431		7/16/1992	PCB, total	1.85	3.22	57.5	12	65	mg/kg-oc	4.8	0.9	PCB Report
LS527		8/17/1998	Aroclor 1254	0.24	3.22	7.5	12	65	mg/kg-oc	0.6	0.1	PCB Report
LS527		8/17/1998	Aroclor 1260	0.3	3.22	9.3	12	65	mg/kg-oc	0.8	0.1	PCB Report
LS527		8/17/1998	PCB, total	0.54	3.22	16.8	12	65	mg/kg-oc	1.4	0.3	PCB Report
MH100	D1	9/17/1997	Aroclor 1254	3.9	6.6	59.1	12	65	mg/kg-oc	4.9	0.9	PCB Report
MH100	D1	9/17/1997	PCB, total	3.9	6.6	59.1	12	65	mg/kg-oc	4.9	0.9	PCB Report

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH100	D1	5/26/2000	Aroclor 1254	5.891	6.6	89.3	12	65	mg/kg-oc	7.4	1.4	PCB Report
MH100	D1	5/26/2000	Aroclor 1260	1.122	6.6	17.0	12	65	mg/kg-oc	1.4	0.3	PCB Report
MH100	D1	5/26/2000	PCB, total	7.013	6.6	106.3	12	65	mg/kg-oc	8.9	1.6	PCB Report
MH100	D1	2/16/2005	Anthracene	0.14	6.6	2.1	220	1200	mg/kg-oc	0.0	0.0	no data
MH100	D1	2/16/2005	Aroclor 1254	1.6	6.6	24.2	12	65	mg/kg-oc	2.0	0.4	no data
MH100	D1	2/16/2005	Aroclor 1260	0.38	6.6	5.8	12	65	mg/kg-oc	0.5	0.1	no data
MH100	D1	2/16/2005	Arsenic	20	6.6		57	93	mg/kg-dw	0.4	0.2	no data
MH100	D1	2/16/2005	Benzo(a)anthracene	0.38	6.6	5.8	110	270	mg/kg-oc	0.1	0.0	no data
MH100	D1	2/16/2005	Benzo(a)pyrene	0.48	6.6	7.3	99	210	mg/kg-oc	0.1	0.0	no data
MH100	D1	2/16/2005	Benzo(b)fluoranthene	0.76	6.6	11.5	230	450	mg/kg-oc	0.1	0.0	no data
MH100	D1	2/16/2005	Benzo(g,h,i)perylene	0.2	6.6	3.0	31	78	mg/kg-oc	0.1	0.0	no data
MH100	D1	2/16/2005	Benzo(k)fluoranthene	0.46	6.6	7.0	230	450	mg/kg-oc	0.0	0.0	no data
MH100	D1	2/16/2005	bis(2-Ethylhexyl)phthalate	2	6.6	30.3	47	78	mg/kg-oc	0.6	0.4	no data
MH100	D1	2/16/2005	Butylbenzylphthalate	0.086	6.6	1.3	4.9	64	mg/kg-oc	0.3	0.0	no data
MH100	D1	2/16/2005	Carbazole	0.11	6.6		NA	NA		#VALUE!	#VALUE!	no data
MH100	D1	2/16/2005	Chrysene	0.62	6.6	9.4	110	460	mg/kg-oc	0.1	0.0	no data
MH100	D1	2/16/2005	Copper	102	6.6		390	390	mg/kg-dw	0.3	0.3	no data
MH100	D1	2/16/2005	Diesel Range Hydrocarbons	40	6.6		NA	NA		#VALUE!	#VALUE!	no data
MH100	D1	2/16/2005	Di-n-octyl phthalate	0.071	6.6	1.1	58	4500	mg/kg-oc	0.0	0.0	no data
MH100	D1	2/16/2005	Fluoranthene	0.88	6.6	13.3	160	1200	mg/kg-oc	0.1	0.0	no data
MH100	D1	2/16/2005	Heavy Oil Range Hydrocarbons	190	6.6		NA	NA		#VALUE!	#VALUE!	no data
MH100	D1	2/16/2005	Indeno(1,2,3-cd)pyrene	0.18	6.6	2.7	34	88	mg/kg-oc	0.1	0.0	no data
MH100	D1	2/16/2005	Lead	142	6.6		450	530	mg/kg-dw	0.3	0.3	no data
MH100	D1	2/16/2005	Mercury	0.2	6.6		0.41	0.59	mg/kg-dw	0.5	0.3	no data
MH100	D1	2/16/2005	Phenanthrene	0.25	6.6	3.8	100	480	mg/kg-oc	0.0	0.0	no data
MH100	D1	2/16/2005	Pyrene	0.81	6.6	12.3	1000	1400	mg/kg-oc	0.0	0.0	no data
MH100	D1	2/16/2005	Zinc	411	6.6		410	960	mg/kg-dw	1.0	0.4	no data
MH101		6/1/1985	PCB, total	160	3.22	4968.9	12	65	mg/kg-oc	414.1	76.4	PCB Report
MH101		10/14/1985	PCB, total	18.8	3.22	583.9	12	65	mg/kg-oc	48.7	9.0	PCB Report
MH101		7/16/1992	Aroclor 1254	95	3.22	2950.3	12	65	mg/kg-oc	245.9	45.4	PCB Report
MH101		7/16/1992	PCB, total	95	3.22	2950.3	12	65	mg/kg-oc	245.9	45.4	PCB Report
MH101		8/18/1992	Aroclor 1254	58	3.22	1801.2	12	65	mg/kg-oc	150.1	27.7	PCB Report
MH101		8/18/1992	PCB, total	58	3.22	1801.2	12	65	mg/kg-oc	150.1	27.7	PCB Report
MH101		9/17/1997	Aroclor 1254	25	3.22	776.4	12	65	mg/kg-oc	64.7	11.9	PCB Report
MH101		9/17/1997	PCB, total	25	3.22	776.4	12	65	mg/kg-oc	64.7	11.9	PCB Report
MH101		8/12/1998	Aroclor 1254	29	3.22	900.6	12	65	mg/kg-oc	75.1	13.9	PCB Report
MH101		8/12/1998	Aroclor 1260	3.4	3.22	105.6	12	65	mg/kg-oc	8.8	1.6	PCB Report
MH101		8/12/1998	PCB, total	32.4	3.22	1006.2	12	65	mg/kg-oc	83.9	15.5	PCB Report
MH101		4/24/2000	Aroclor 1254	67.287	3.22	2089.7	12	65	mg/kg-oc	174.1	32.1	PCB Report
MH101		4/24/2000	Aroclor 1260	37.223	3.22	1156.0	12	65	mg/kg-oc	96.3	17.8	PCB Report
MH101		4/24/2000	PCB, total	104.51	3.22	3245.7	12	65	mg/kg-oc	270.5	49.9	PCB Report
MH105		1/9/1997	Aroclor 1254	3.3	3.22	102.5	12	65	mg/kg-oc	8.5	1.6	PCB Report
MH105		1/9/1997	PCB, total	3.3	3.22	102.5	12	65	mg/kg-oc	8.5	1.6	PCB Report
MH105		8/12/1998	Aroclor 1248	2	3.22	62.1	12	65	mg/kg-oc	5.2	1.0	PCB Report
MH105		8/12/1998	Aroclor 1254	6.8	3.22	211.2	12	65	mg/kg-oc	17.6	3.2	PCB Report

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH105		8/12/1998	Aroclor 1260	1.6	3.22	49.7	12	65	mg/kg-oc	4.1	0.8	PCB Report
MH105		8/12/1998	PCB, total	10.4	3.22	323.0	12	65	mg/kg-oc	26.9	5.0	PCB Report
MH105		4/24/2000	Aroclor 1254	7.202	3.22	223.7	12	65	mg/kg-oc	18.6	3.4	PCB Report
MH105		4/24/2000	Aroclor 1260	3.086	3.22	95.8	12	65	mg/kg-oc	8.0	1.5	PCB Report
MH105		4/24/2000	PCB, total	10.288	3.22	319.5	12	65	mg/kg-oc	26.6	4.9	PCB Report
MH108	N	8/18/1992	Aroclor 1254	330	3.22	10248.4	12	65	mg/kg-oc	854.0	157.7	PCB Report
MH108	N	8/18/1992	Aroclor 1260	96	3.22	2981.4	12	65	mg/kg-oc	248.4	45.9	PCB Report
MH108	N	8/18/1992	PCB, total	426	3.22	13229.8	12	65	mg/kg-oc	1102.5	203.5	PCB Report
MH108	N	7/25/2006	Aroclor 1248	3.2	3.22	99.4	12	65	mg/kg-oc	8.3	1.5	no data
MH108	N	7/25/2006	Aroclor 1254	3.4	3.22	105.6	12	65	mg/kg-oc	8.8	1.6	no data
MH108	N	7/25/2006	PCB, total	6.6	3.22	205.0	12	65	mg/kg-oc	17.1	3.2	no data
MH108	N	3/9/2007	Aroclor 1248 (calculated)	8.977	3.22	278.8	12	65	mg/kg-oc	23.2	4.3	Document 2118
MH108	N	3/9/2007	Aroclor 1248 (calculated-TOC normalized)	279		#DIV/0!	12	65	mg/kg-oc	#DIV/0!	#DIV/0!	Document 2118
MH108	N	3/9/2007	Aroclor 1254 (calculated)	9.425	3.22	292.7	12	65	mg/kg-oc	24.4	4.5	Document 2118
MH108	N	3/9/2007	Aroclor 1254 (calculated-TOC normalized)	293		#DIV/0!	12	65	mg/kg-oc	#DIV/0!	#DIV/0!	Document 2118
MH108	N	3/9/2007	Mercury	0.11			0.41	0.59	mg/kg-dw	0.3	0.2	Document 2118
MH108	N	3/9/2007	PCB, total - calculated	18	3.22	559.0	12	65	mg/kg-oc	46.6	8.6	Document 2118
MH108A		10/3/1996	PCB, total	7.1	3.22	220.5	12	65	mg/kg-oc	18.4	3.4	PCB Report
MH108A		9/19/1997	Aroclor 1254	13	3.22	403.7	12	65	mg/kg-oc	33.6	6.2	PCB Report
MH108A		9/19/1997	PCB, total	13	3.22	403.7	12	65	mg/kg-oc	33.6	6.2	PCB Report
MH108A		8/11/1998	Aroclor 1254	1.4	3.22	43.5	12	65	mg/kg-oc	3.6	0.7	PCB Report
MH108A		8/11/1998	Aroclor 1260	0.3	3.22	9.3	12	65	mg/kg-oc	0.8	0.1	PCB Report
MH108A		8/11/1998	PCB, total	1.7	3.22	52.8	12	65	mg/kg-oc	4.4	0.8	PCB Report
MH108A		5/1/2000	Aroclor 1254	4.51	3.22	140.1	12	65	mg/kg-oc	11.7	2.2	PCB Report
MH108A		5/1/2000	Aroclor 1260	0.547	3.22	17.0	12	65	mg/kg-oc	1.4	0.3	PCB Report
MH108A		5/1/2000	PCB, total	5.057	3.22	157.0	12	65	mg/kg-oc	13.1	2.4	PCB Report
MH121A		4/10/2007	Aroclor 1254	0.61	3.22	18.9	12	65	mg/kg-oc	1.6	0.3	no data
MH121A		4/10/2007	Aroclor 1260	0.21	3.22	6.5	12	65	mg/kg-oc	0.5	0.1	no data
MH121A		4/10/2007	PCB, total	0.82	3.22	25.5	12	65	mg/kg-oc	2.1	0.4	no data
MH130	N	9/19/1997	Aroclor 1254	11	3.22	341.6	12	65	mg/kg-oc	28.5	5.3	PCB Report
MH130	N	9/19/1997	PCB, total	11	3.22	341.6	12	65	mg/kg-oc	28.5	5.3	PCB Report
MH130	N	9/26/2005	Aroclor 1248	1	3.22	31.1	12	65	mg/kg-oc	2.6	0.5	no data
MH130	N	9/26/2005	Aroclor 1254	1.3	3.22	40.4	12	65	mg/kg-oc	3.4	0.6	no data
MH130	N	9/26/2005	PCB, total	2.3	3.22	71.4	12	65	mg/kg-oc	6.0	1.1	no data
MH130	N	3/13/2007	Aroclor 1248	27	3.22	838.5	12	65	mg/kg-oc	69.9	12.9	no data
MH130	N	3/13/2007	Aroclor 1254	30	3.22	931.7	12	65	mg/kg-oc	77.6	14.3	no data
MH130	N	3/13/2007	PCB, total	57	3.22	1770.2	12	65	mg/kg-oc	147.5	27.2	no data
MH131		9/19/1997	Aroclor 1254	7	3.22	217.4	12	65	mg/kg-oc	18.1	3.3	PCB Report
MH131		9/19/1997	PCB, total	7	3.22	217.4	12	65	mg/kg-oc	18.1	3.3	PCB Report
MH131A		8/17/1998	Aroclor 1254	0.19	3.22	5.9	12	65	mg/kg-oc	0.5	0.1	PCB Report
MH131A		8/17/1998	Aroclor 1260	0.17	3.22	5.3	12	65	mg/kg-oc	0.4	0.1	PCB Report
MH131A		8/17/1998	PCB, total	0.36	3.22	11.2	12	65	mg/kg-oc	0.9	0.2	PCB Report
MH1320		4/11/2000	Aroclor 1254	0.1692	3.22	5.3	12	65	mg/kg-oc	0.4	0.1	PCB Report
MH1320		4/11/2000	Aroclor 1260	0.1596	3.22	5.0	12	65	mg/kg-oc	0.4	0.1	PCB Report
MH1320		4/11/2000	PCB, total	0.329	3.22	10.2	12	65	mg/kg-oc	0.9	0.2	PCB Report

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH132A		8/10/1998	Aroclor 1254	20	3.22	621.1	12	65	mg/kg-oc	51.8	9.6	PCB Report
MH132A		8/10/1998	Aroclor 1254	22	3.22	683.2	12	65	mg/kg-oc	56.9	10.5	PCB Report
MH132A		8/10/1998	Aroclor 1260	2.4	3.22	74.5	12	65	mg/kg-oc	6.2	1.1	PCB Report
MH132A		8/10/1998	Aroclor 1260	3.1	3.22	96.3	12	65	mg/kg-oc	8.0	1.5	PCB Report
MH132A		8/10/1998	PCB, total	22.4	3.22	695.7	12	65	mg/kg-oc	58.0	10.7	PCB Report
MH132A		8/10/1998	PCB, total	25.1	3.22	779.5	12	65	mg/kg-oc	65.0	12.0	PCB Report
MH133D	N	9/26/2005	Aroclor 1254	0.05	3.22	1.6	12	65	mg/kg-oc	0.1	0.0	no data
MH133D	N	9/26/2005	Aroclor 1260	0.061	3.22	1.9	12	65	mg/kg-oc	0.2	0.0	no data
MH133D	N	9/26/2005	PCB, total	0.111	3.22	3.4	12	65	mg/kg-oc	0.3	0.1	no data
MH133X		7/7/2000	Aroclor 1254	0.45	3.22	14.0	12	65	mg/kg-oc	1.2	0.2	PCB Report
MH133X		7/7/2000	Aroclor 1260	0.48	3.22	14.9	12	65	mg/kg-oc	1.2	0.2	PCB Report
MH133X		7/7/2000	PCB, total	0.93	3.22	28.9	12	65	mg/kg-oc	2.4	0.4	PCB Report
MH138		1/22/2007	Aroclor 1248 (calculated)	3.168	3.22	98.4	12	65	mg/kg-oc	8.2	1.5	Document 2118
MH138		1/22/2007	Aroclor 1248 (calculated-TOC normalized)	98		#DIV/0!	12	65	mg/kg-oc	#DIV/0!	#DIV/0!	Document 2118
MH138		1/22/2007	Aroclor 1254 (calculated)	6.164	3.22	191.4	12	65	mg/kg-oc	16.0	2.9	Document 2118
MH138		1/22/2007	Aroclor 1254 (calculated-TOC normalized)	191		#DIV/0!	12	65	mg/kg-oc	#DIV/0!	#DIV/0!	Document 2118
MH138		1/22/2007	PCB, total - calculated	9.3	3.22	288.8	12	65	mg/kg-oc	24.1	4.4	Document 2118
MH138		1/26/2007	Aroclor 1248 (calculated)	5.905	3.22	183.4	12	65	mg/kg-oc	15.3	2.8	Document 2118
MH138		1/26/2007	Aroclor 1248 (calculated-TOC normalized)	183		#DIV/0!	12	65	mg/kg-oc	#DIV/0!	#DIV/0!	Document 2118
MH138		1/26/2007	Aroclor 1254 (calculated)	11.115	3.22	345.2	12	65	mg/kg-oc	28.8	5.3	Document 2118
MH138		1/26/2007	Aroclor 1254 (calculated-TOC normalized)	345		#DIV/0!	12	65	mg/kg-oc	#DIV/0!	#DIV/0!	Document 2118
MH138		1/26/2007	Mercury	0.31			0.41	0.59	mg/kg-dw	0.8	0.5	Document 2118
MH138		1/26/2007	PCB, total - calculated	17	3.22	528.0	12	65	mg/kg-oc	44.0	8.1	Document 2118
MH146		9/22/1997	Aroclor 1254	3	3.22	93.2	12	65	mg/kg-oc	7.8	1.4	PCB Report
MH146		9/22/1997	PCB, total	3	3.22	93.2	12	65	mg/kg-oc	7.8	1.4	PCB Report
MH149		10/18/1996	Aroclor 1254	1.6	3.22	49.7	12	65	mg/kg-oc	4.1	0.8	PCB Report
MH149		10/18/1996	Aroclor 1260	0.88	3.22	27.3	12	65	mg/kg-oc	2.3	0.4	PCB Report
MH149		10/18/1996	PCB, total	2.48	3.22	77.0	12	65	mg/kg-oc	6.4	1.2	PCB Report
MH152		9/22/1997	Aroclor 1254	27	3.22	838.5	12	65	mg/kg-oc	69.9	12.9	PCB Report
MH152		9/22/1997	PCB, total	27	3.22	838.5	12	65	mg/kg-oc	69.9	12.9	PCB Report
MH152		1/22/2007	Aroclor 1248 (calculated)	10.831	3.22	336.4	12	65	mg/kg-oc	28.0	5.2	Document 2118
MH152		1/22/2007	Aroclor 1248 (calculated-TOC normalized)	336		#DIV/0!	12	65	mg/kg-oc	#DIV/0!	#DIV/0!	Document 2118
MH152		1/22/2007	Aroclor 1254 (calculated)	12.185	3.22	378.4	12	65	mg/kg-oc	31.5	5.8	Document 2118
MH152		1/22/2007	Aroclor 1254 (calculated-TOC normalized)	378		#DIV/0!	12	65	mg/kg-oc	#DIV/0!	#DIV/0!	Document 2118
MH152		1/22/2007	PCB, total - calculated	23	3.22	714.3	12	65	mg/kg-oc	59.5	11.0	Document 2118
MH152		1/26/2007	Aroclor 1248 (calculated)	12.023	3.22	373.4	12	65	mg/kg-oc	31.1	5.7	Document 2118
MH152		1/26/2007	Aroclor 1248 (calculated-TOC normalized)	373		#DIV/0!	12	65	mg/kg-oc	#DIV/0!	#DIV/0!	Document 2118
MH152		1/26/2007	Aroclor 1254 (calculated)	13.474	3.22	418.4	12	65	mg/kg-oc	34.9	6.4	Document 2118
MH152		1/26/2007	Aroclor 1254 (calculated-TOC normalized)	418		#DIV/0!	12	65	mg/kg-oc	#DIV/0!	#DIV/0!	Document 2118
MH152		1/26/2007	Mercury	0.32			0.41	0.59	mg/kg-dw	0.8	0.5	Document 2118
MH152		1/26/2007	PCB, total - calculated	25	3.22	776.4	12	65	mg/kg-oc	64.7	11.9	Document 2118
MH158		9/22/1997	Aroclor 1254	11	3.22	341.6	12	65	mg/kg-oc	28.5	5.3	PCB Report
MH158		9/22/1997	PCB, total	11	3.22	341.6	12	65	mg/kg-oc	28.5	5.3	PCB Report
MH158		8/10/1998	Aroclor 1254	1.2	3.22	37.3	12	65	mg/kg-oc	3.1	0.6	PCB Report
MH158		8/10/1998	Aroclor 1260	0.095	3.22	3.0	12	65	mg/kg-oc	0.2	0.0	PCB Report

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH158		8/10/1998	PCB, total	1.295	3.22	40.2	12	65	mg/kg-oc	3.4	0.6	PCB Report
MH163		7/16/1992	Aroclor 1254	6.9	3.22	214.3	12	65	mg/kg-oc	17.9	3.3	PCB Report
MH163		7/16/1992	PCB, total	6.9	3.22	214.3	12	65	mg/kg-oc	17.9	3.3	PCB Report
MH163		8/10/1998	Aroclor 1254	2	3.22	62.1	12	65	mg/kg-oc	5.2	1.0	PCB Report
MH163		8/10/1998	Aroclor 1260	0.17	3.22	5.3	12	65	mg/kg-oc	0.4	0.1	PCB Report
MH163		8/10/1998	PCB, total	2.17	3.22	67.4	12	65	mg/kg-oc	5.6	1.0	PCB Report
MH169		1/22/2007	Aroclor 1248 (calculated)	8.568	3.22	266.1	12	65	mg/kg-oc	22.2	4.1	Document 2118
MH169		1/22/2007	Aroclor 1248 (calculated-TOC normalized)	266			12	65	mg/kg-oc	0.0	0.0	Document 2118
MH169		1/22/2007	Aroclor 1254 (calculated)	9.639	3.22	299.3	12	65	mg/kg-oc	24.9	4.6	Document 2118
MH169		1/22/2007	Aroclor 1254 (calculated-TOC normalized)	299			12	65	mg/kg-oc	0.0	0.0	Document 2118
MH169		1/22/2007	PCB, total - calculated	18	3.22	559.0	12	65	mg/kg-oc	46.6	8.6	Document 2118
MH169		1/26/2007	Aroclor 1248 (calculated)	19.52	3.22	606.2	12	65	mg/kg-oc	50.5	9.3	Document 2118
MH169		1/26/2007	Aroclor 1248 (calculated-TOC normalized)	606			12	65	mg/kg-oc	0.0	0.0	Document 2118
MH169		1/26/2007	Aroclor 1254 (calculated)	16.732	3.22	519.6	12	65	mg/kg-oc	43.3	8.0	Document 2118
MH169		1/26/2007	Aroclor 1254 (calculated-TOC normalized)	519			12	65	mg/kg-oc	0.0	0.0	Document 2118
MH169		1/26/2007	Mercury	0.1			0.41	0.59	mg/kg-dw	0.2	0.2	Document 2118
MH169		1/26/2007	PCB, total - calculated	36	3.22	1118.0	12	65	mg/kg-oc	93.2	17.2	Document 2118
MH172		6/1/1985	PCB, total	99	3.22	3074.5	12	65	mg/kg-oc	256.2	47.3	PCB Report
MH172		10/14/1985	PCB, total	905	3.22	28105.6	12	65	mg/kg-oc	2342.1	432.4	PCB Report
MH172		7/17/1992	Aroclor 1248	120	3.22	3726.7	12	65	mg/kg-oc	310.6	57.3	PCB Report
MH172		7/17/1992	Aroclor 1254	71	3.22	2205.0	12	65	mg/kg-oc	183.7	33.9	PCB Report
MH172		7/17/1992	PCB, total	191	3.22	5931.7	12	65	mg/kg-oc	494.3	91.3	PCB Report
MH172		8/7/1998	Aroclor 1254	0.19	3.22	5.9	12	65	mg/kg-oc	0.5	0.1	PCB Report
MH172		8/7/1998	Aroclor 1260	0.022	3.22	0.7	12	65	mg/kg-oc	0.1	0.0	PCB Report
MH172		8/7/1998	PCB, total	0.212	3.22	6.6	12	65	mg/kg-oc	0.5	0.1	PCB Report
MH172		5/4/2000	Aroclor 1254	0.462	3.22	14.3	12	65	mg/kg-oc	1.2	0.2	PCB Report
MH172		5/4/2000	PCB, total	0.462	3.22	14.3	12	65	mg/kg-oc	1.2	0.2	PCB Report
MH173	N	6/1/1985	PCB, total	0.86	3.22	26.7	12	65	mg/kg-oc	2.2	0.4	PCB Report
MH173	N	7/17/1992	Aroclor 1016/1242	7.4	3.22	229.8	12	65	mg/kg-oc	19.2	3.5	PCB Report
MH173	N	7/17/1992	Aroclor 1254	5.4	3.22	167.7	12	65	mg/kg-oc	14.0	2.6	PCB Report
MH173	N	7/17/1992	PCB, total	12.8	3.22	397.5	12	65	mg/kg-oc	33.1	6.1	PCB Report
MH173	N	8/7/1998	Aroclor 1248	16	3.22	496.9	12	65	mg/kg-oc	41.4	7.6	PCB Report
MH173	N	8/7/1998	Aroclor 1254	32	3.22	993.8	12	65	mg/kg-oc	82.8	15.3	PCB Report
MH173	N	8/7/1998	Aroclor 1260	1.4	3.22	43.5	12	65	mg/kg-oc	3.6	0.7	PCB Report
MH173	N	8/7/1998	PCB, total	49.4	3.22	1534.2	12	65	mg/kg-oc	127.8	23.6	PCB Report
MH178	N	7/16/1992	Aroclor 1254	0.18			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH178	N	7/16/1992	PCB, total	0.18			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH178	N	8/11/2005	4-Methylphenol	0.41			670	670	ug/kg-dw	0.6	0.6	Document 3400
MH178	N	8/11/2005	Anthracene	0.15			220	1200	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	8/11/2005	Aroclor 1254	0.072			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	8/11/2005	Aroclor 1260	0.034			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	8/11/2005	Arsenic	14			57	93	mg/kg-dw	0.2	0.2	Document 3400
MH178	N	8/11/2005	Benzo(a)anthracene	0.84			110	270	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	8/11/2005	Benzo(a)pyrene	1.1			99	210	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	8/11/2005	Benzo(b)fluoranthene	1.6			230	450	mg/kg-oc	0.0	0.0	Document 3400



**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH178	N	8/11/2005	Benzo(g,h,i)perylene	0.45			31	78	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	8/11/2005	Benzo(k)fluoranthene	0.8			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	8/11/2005	bis(2-Ethylhexyl)phthalate	1.8			47	78	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	8/11/2005	Carbazole	0.26			NA	NA				Document 3400
MH178	N	8/11/2005	Chrysene	1.2			110	460	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	8/11/2005	Copper	113			390	390	mg/kg-dw	0.3	0.3	Document 3400
MH178	N	8/11/2005	Diesel Range Hydrocarbons	160			NA	NA				Document 3400
MH178	N	8/11/2005	Di-n-butylphthalate	0.15			220	1700	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	8/11/2005	Di-n-octyl phthalate	0.22			58	4500	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	8/11/2005	Fluoranthene	2.4			160	1200	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	8/11/2005	Heavy Oil Range Hydrocarbons	570			NA	NA				Document 3400
MH178	N	8/11/2005	Indeno(1,2,3-cd)pyrene	0.52			34	88	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	8/11/2005	Lead	962			450	530	mg/kg-dw	2.1	1.8	Document 3400
MH178	N	8/11/2005	Mercury	0.86			0.41	0.59	mg/kg-dw	2.1	1.5	Document 3400
MH178	N	8/11/2005	PCBs, total	0.106			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	8/11/2005	Phenanthrene	1.3			100	480	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	8/11/2005	Pyrene	1.7			1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	8/11/2005	Zinc	220			410	960	mg/kg-dw	0.5	0.2	Document 3400
MH178	N	3/16/2006	4-Methylphenol	0.83			670	670	ug/kg-dw	1.2	1.2	Document 3400
MH178	N	3/16/2006	Aroclor 1254	0.32	7.62	4.2	12	65	mg/kg-oc	0.3	0.1	Document 3400
MH178	N	3/16/2006	Aroclor 1260	0.33	7.62	4.3	12	65	mg/kg-oc	0.4	0.1	Document 3400
MH178	N	3/16/2006	Arsenic	20			57	93	mg/kg-dw	0.4	0.2	Document 3400
MH178	N	3/16/2006	Benzo(a)anthracene	3.2	7.62	42.0	110	270	mg/kg-oc	0.4	0.2	Document 3400
MH178	N	3/16/2006	Benzo(a)pyrene	4.5	7.62	59.1	99	210	mg/kg-oc	0.6	0.3	Document 3400
MH178	N	3/16/2006	Benzo(b)fluoranthene	7.4	7.62	97.1	230	450	mg/kg-oc	0.4	0.2	Document 3400
MH178	N	3/16/2006	Benzo(g,h,i)perylene	2.1	7.62	27.6	31	78	mg/kg-oc	0.9	0.4	Document 3400
MH178	N	3/16/2006	Benzo(k)fluoranthene	4.3	7.62	56.4	230	450	mg/kg-oc	0.2	0.1	Document 3400
MH178	N	3/16/2006	bis(2-Ethylhexyl)phthalate	10	7.62	131.2	47	78	mg/kg-oc	2.8	1.7	Document 3400
MH178	N	3/16/2006	Carbazole	1.4			NA	NA		#VALUE!	#VALUE!	Document 3400
MH178	N	3/16/2006	Chrysene	6.3	7.62	82.7	110	460	mg/kg-oc	0.8	0.2	Document 3400
MH178	N	3/16/2006	Copper	541			390	390	mg/kg-dw	1.4	1.4	Document 3400
MH178	N	3/16/2006	Diesel Range Hydrocarbons	1400			NA	NA		#VALUE!	#VALUE!	Document 3400
MH178	N	3/16/2006	Di-n-octyl phthalate	2.5	7.62	32.8	58	4500	mg/kg-oc	0.6	0.0	Document 3400
MH178	N	3/16/2006	Fluoranthene	13	7.62	170.6	160	1200	mg/kg-oc	1.1	0.1	Document 3400
MH178	N	3/16/2006	Heavy Oil Range Hydrocarbons	7500			NA	NA		#VALUE!	#VALUE!	Document 3400
MH178	N	3/16/2006	Indeno(1,2,3-cd)pyrene	2.2	7.62	28.9	34	88	mg/kg-oc	0.8	0.3	Document 3400
MH178	N	3/16/2006	Lead	233			450	530	mg/kg-dw	0.5	0.4	Document 3400
MH178	N	3/16/2006	Mercury	0.27			0.41	0.59	mg/kg-dw	0.7	0.5	Document 3400
MH178	N	3/16/2006	PCBs, total	0.65	7.62	8.5	12	65	mg/kg-oc	0.7	0.1	Document 3400
MH178	N	3/16/2006	Phenanthrene	4.6	7.62	60.4	100	480	mg/kg-oc	0.6	0.1	Document 3400
MH178	N	3/16/2006	Pyrene	6	7.62	78.7	1000	1400	mg/kg-oc	0.1	0.1	Document 3400
MH178	N	3/16/2006	Zinc	597			410	960	mg/kg-dw	1.5	0.6	Document 3400
MH178	N	10/11/2006	4-Methylphenol	0.53			670	670	ug/kg-dw	0.8	0.8	Document 3400
MH178	N	10/11/2006	Aroclor 1254	0.43	7.68	5.6	12	65	mg/kg-oc	0.5	0.1	Document 3400
MH178	N	10/11/2006	Aroclor 1260	0.17	7.68	2.2	12	65	mg/kg-oc	0.2	0.0	Document 3400

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH178	N	10/11/2006	Arsenic	20			57	93	mg/kg-dw	0.4	0.2	Document 3400
MH178	N	10/11/2006	Benzo(a)anthracene	2	7.68	26.0	110	270	mg/kg-oc	0.2	0.1	Document 3400
MH178	N	10/11/2006	Benzo(a)pyrene	3	7.68	39.1	99	210	mg/kg-oc	0.4	0.2	Document 3400
MH178	N	10/11/2006	Benzo(b)fluoranthene	4.2	7.68	54.7	230	450	mg/kg-oc	0.2	0.1	Document 3400
MH178	N	10/11/2006	Benzo(g,h,i)perylene	2	7.68	26.0	31	78	mg/kg-oc	0.8	0.3	Document 3400
MH178	N	10/11/2006	Benzo(k)fluoranthene	3.5	7.68	45.6	230	450	mg/kg-oc	0.2	0.1	Document 3400
MH178	N	10/11/2006	bis(2-Ethylhexyl)phthalate	10	7.68	130.2	47	78	mg/kg-oc	2.8	1.7	Document 3400
MH178	N	10/11/2006	Butylbenzylphthalate	0.58	7.68	7.6	4.9	64	mg/kg-oc	1.5	0.1	Document 3400
MH178	N	10/11/2006	Chrysene	4.4	7.68	57.3	110	460	mg/kg-oc	0.5	0.1	Document 3400
MH178	N	10/11/2006	Copper	818			390	390	mg/kg-dw	2.1	2.1	Document 3400
MH178	N	10/11/2006	Dibenz(a,h)anthracene	0.64	7.68	8.3	12	33	mg/kg-oc	0.7	0.3	Document 3400
MH178	N	10/11/2006	Diesel Range Hydrocarbons	660			NA	NA				Document 3400
MH178	N	10/11/2006	Di-n-butylphthalate	0.73	7.68	9.5	220	1700	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	10/11/2006	Di-n-octyl phthalate	4.8	7.68	62.5	58	4500	mg/kg-oc	1.1	0.0	Document 3400
MH178	N	10/11/2006	Fluoranthene	6.9	7.68	89.8	160	1200	mg/kg-oc	0.6	0.1	Document 3400
MH178	N	10/11/2006	Heavy Oil Range Hydrocarbons	4800			NA	NA				Document 3400
MH178	N	10/11/2006	Indeno(1,2,3-cd)pyrene	2	7.68	26.0	34	88	mg/kg-oc	0.8	0.3	Document 3400
MH178	N	10/11/2006	Lead	381			450	530	mg/kg-dw	0.8	0.7	Document 3400
MH178	N	10/11/2006	Mercury	0.4			0.41	0.59	mg/kg-dw	1.0	0.7	Document 3400
MH178	N	10/11/2006	PCBs, total	0.6	7.68	7.8	12	65	mg/kg-oc	0.7	0.1	Document 3400
MH178	N	10/11/2006	Phenanthrene	2.9	7.68	37.8	100	480	mg/kg-oc	0.4	0.1	Document 3400
MH178	N	10/11/2006	Pyrene	5.2	7.68	67.7	1000	1400	mg/kg-oc	0.1	0.0	Document 3400
MH178	N	10/11/2006	Zinc	945			410	960	mg/kg-dw	2.3	1.0	Document 3400
MH178	N	1/8/2007	4-Methylphenol	2			670	670	ug/kg-dw	3.0	3.0	Document 3400
MH178	N	1/8/2007	Anthracene	0.32	4.88	6.6	220	1200	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	1/8/2007	Aroclor 1254	0.086	4.88	1.8	12	65	mg/kg-oc	0.1	0.0	Document 3400
MH178	N	1/8/2007	Benzo(a)anthracene	1.7	4.88	34.8	110	270	mg/kg-oc	0.3	0.1	Document 3400
MH178	N	1/8/2007	Benzo(a)pyrene	2.3	4.88	47.1	99	210	mg/kg-oc	0.5	0.2	Document 3400
MH178	N	1/8/2007	Benzo(b)fluoranthene	3.6	4.88	73.8	230	450	mg/kg-oc	0.3	0.2	Document 3400
MH178	N	1/8/2007	Benzo(g,h,i)perylene	1	4.88	20.5	31	78	mg/kg-oc	0.7	0.3	Document 3400
MH178	N	1/8/2007	Benzo(k)fluoranthene	3.1	4.88	63.5	230	450	mg/kg-oc	0.3	0.1	Document 3400
MH178	N	1/8/2007	bis(2-Ethylhexyl)phthalate	3.8	4.88	77.9	47	78	mg/kg-oc	1.7	1.0	Document 3400
MH178	N	1/8/2007	Chrysene	2.7	4.88	55.3	110	460	mg/kg-oc	0.5	0.1	Document 3400
MH178	N	1/8/2007	Copper	103			390	390	mg/kg-dw	0.3	0.3	Document 3400
MH178	N	1/8/2007	Dibenz(a,h)anthracene	0.22	4.88	4.5	12	33	mg/kg-oc	0.4	0.1	Document 3400
MH178	N	1/8/2007	Diesel Range Hydrocarbons	340			NA	NA				Document 3400
MH178	N	1/8/2007	Di-n-octyl phthalate	1.3	4.88	26.6	58	4500	mg/kg-oc	0.5	0.0	Document 3400
MH178	N	1/8/2007	Fluoranthene	5	4.88	102.5	160	1200	mg/kg-oc	0.6	0.1	Document 3400
MH178	N	1/8/2007	Heavy Oil Range Hydrocarbons	1600			NA	NA				Document 3400
MH178	N	1/8/2007	Indeno(1,2,3-cd)pyrene	1	4.88	20.5	34	88	mg/kg-oc	0.6	0.2	Document 3400
MH178	N	1/8/2007	Lead	100			450	530	mg/kg-dw	0.2	0.2	Document 3400
MH178	N	1/8/2007	Mercury	0.15			0.41	0.59	mg/kg-dw	0.4	0.3	Document 3400
MH178	N	1/8/2007	PCBs, total	0.086	4.88	1.8	12	65	mg/kg-oc	0.1	0.0	Document 3400
MH178	N	1/8/2007	Phenanthrene	2.2	4.88	45.1	100	480	mg/kg-oc	0.5	0.1	Document 3400
MH178	N	1/8/2007	Phenol	0.18			420	1200	ug/kg-dw	0.4	0.2	Document 3400

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH178	N	1/8/2007	Pyrene	3.8	4.88	77.9	1000	1400	mg/kg-oc	0.1	0.1	Document 3400
MH178	N	1/8/2007	Zinc	209			410	960	mg/kg-dw	0.5	0.2	Document 3400
MH178	N	2/1/2007	Aroclor 1254 (calculated)	0.716	3.22	22.2	12	65	mg/kg-oc	1.9	0.3	Document 2118
MH178	N	2/1/2007	Aroclor 1254 (calculated-TOC normalized)	22			12	65	mg/kg-oc	0.0	0.0	Document 2118
MH178	N	2/1/2007	Mercury	0.1			0.41	0.59	mg/kg-dw	0.2	0.2	Document 2118
MH178	N	2/1/2007	PCB, total - calculated	1	3.22	31.1	12	65	mg/kg-oc	2.6	0.5	Document 2118
MH178	N	5/14/2007	4-Methylphenol	9.4			670	670	ug/kg-dw	14.0	14.0	Document 3400
MH178	N	5/14/2007	Aroclor 1254	0.24	8.87	2.7	12	65	mg/kg-oc	0.2	0.0	Document 3400
MH178	N	5/14/2007	Aroclor 1260	0.15	8.87	1.7	12	65	mg/kg-oc	0.1	0.0	Document 3400
MH178	N	5/14/2007	Arsenic	20			57	93	mg/kg-dw	0.4	0.2	Document 3400
MH178	N	5/14/2007	Benzo(a)anthracene	1.4	8.87	15.8	110	270	mg/kg-oc	0.1	0.1	Document 3400
MH178	N	5/14/2007	Benzo(a)pyrene	2.2	8.87	24.8	99	210	mg/kg-oc	0.3	0.1	Document 3400
MH178	N	5/14/2007	Benzo(b)fluoranthene	4.1	8.87	46.2	230	450	mg/kg-oc	0.2	0.1	Document 3400
MH178	N	5/14/2007	Benzo(g,h,i)perylene	1.2	8.87	13.5	31	78	mg/kg-oc	0.4	0.2	Document 3400
MH178	N	5/14/2007	Benzo(k)fluoranthene	2.6	8.87	29.3	230	450	mg/kg-oc	0.1	0.1	Document 3400
MH178	N	5/14/2007	bis(2-Ethylhexyl)phthalate	13	8.87	146.6	47	78	mg/kg-oc	3.1	1.9	Document 3400
MH178	N	5/14/2007	Chrysene	2.8	8.87	31.6	110	460	mg/kg-oc	0.3	0.1	Document 3400
MH178	N	5/14/2007	Copper	227			390	390	mg/kg-dw	0.6	0.6	Document 3400
MH178	N	5/14/2007	Diesel Range Hydrocarbons	770			NA	NA				Document 3400
MH178	N	5/14/2007	Di-n-octyl phthalate	3.7	8.87	41.7	58	4500	mg/kg-oc	0.7	0.0	Document 3400
MH178	N	5/14/2007	Fluoranthene	5.6	8.87	63.1	160	1200	mg/kg-oc	0.4	0.1	Document 3400
MH178	N	5/14/2007	Heavy Oil Range Hydrocarbons	6800			NA	NA				Document 3400
MH178	N	5/14/2007	Hexachloroethane	0.37			NA	NA				Document 3400
MH178	N	5/14/2007	Indeno(1,2,3-cd)pyrene	1.2	8.87	13.5	34	88	mg/kg-oc	0.4	0.2	Document 3400
MH178	N	5/14/2007	Lead	194			450	530	mg/kg-dw	0.4	0.4	Document 3400
MH178	N	5/14/2007	Mercury	0.38			0.41	0.59	mg/kg-dw	0.9	0.6	Document 3400
MH178	N	5/14/2007	PCBs, total	0.39	8.87	4.4	12	65	mg/kg-oc	0.4	0.1	Document 3400
MH178	N	5/14/2007	Phenanthrene	2.1	8.87	23.7	100	480	mg/kg-oc	0.2	0.0	Document 3400
MH178	N	5/14/2007	Phenol	1.1			420	1200	ug/kg-dw	2.6	0.9	Document 3400
MH178	N	5/14/2007	Pyrene	2.7	8.87	30.4	1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	5/14/2007	Zinc	464			410	960	mg/kg-dw	1.1	0.5	Document 3400
MH178	N	10/29/2007	4-Methylphenol	1.6 J			670	670	ug/kg-dw	2.4	2.4	Document 3400
MH178	N	10/29/2007	Aroclor 1254	0.49	11.8	4.2	12	65	mg/kg-oc	0.3	0.1	Document 3400
MH178	N	10/29/2007	Aroclor 1260	0.18	11.8	1.5	12	65	mg/kg-oc	0.1	0.0	Document 3400
MH178	N	10/29/2007	Arsenic	20			57	93	mg/kg-dw	0.4	0.2	Document 3400
MH178	N	10/29/2007	Benzo(a)anthracene	1.5 J	11.8	12.7	110	270	mg/kg-oc	0.1	0.0	Document 3400
MH178	N	10/29/2007	Benzo(a)pyrene	1.2 J	11.8	10.2	99	210	mg/kg-oc	0.1	0.0	Document 3400
MH178	N	10/29/2007	Benzo(b)fluoranthene	4.1 J	11.8	34.7	230	450	mg/kg-oc	0.2	0.1	Document 3400
MH178	N	10/29/2007	Benzo(k)fluoranthene	2.8 J	11.8	23.7	230	450	mg/kg-oc	0.1	0.1	Document 3400
MH178	N	10/29/2007	bis(2-Ethylhexyl)phthalate	13 J	11.8	110.2	47	78	mg/kg-oc	2.3	1.4	Document 3400
MH178	N	10/29/2007	Carbazole	0.57 J			NA	NA				Document 3400
MH178	N	10/29/2007	Chrysene	3.1 J	11.8	26.3	110	460	mg/kg-oc	0.2	0.1	Document 3400
MH178	N	10/29/2007	Copper	359			390	390	mg/kg-dw	0.9	0.9	Document 3400
MH178	N	10/29/2007	Diesel Range Hydrocarbons	240			NA	NA				Document 3400
MH178	N	10/29/2007	Di-n-octyl phthalate	2.8 J	11.8	23.7	58	4500	mg/kg-oc	0.4	0.0	Document 3400

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)		TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH178	N	10/29/2007	Fluoranthene	5.8	J	11.8	49.2	160	1200	mg/kg-oc	0.3	0.0	Document 3400
MH178	N	10/29/2007	Heavy Oil Range Hydrocarbons	2300				NA	NA				Document 3400
MH178	N	10/29/2007	Lead	486				450	530	mg/kg-dw	1.1	0.9	Document 3400
MH178	N	10/29/2007	Mercury	0.4				0.41	0.59	mg/kg-dw	1.0	0.7	Document 3400
MH178	N	10/29/2007	PCBs, total	0.67		11.8	5.7	12	65	mg/kg-oc	0.5	0.1	Document 3400
MH178	N	10/29/2007	Phenanthrene	2.3	J	11.8	19.5	100	480	mg/kg-oc	0.2	0.0	Document 3400
MH178	N	10/29/2007	Pyrene	3	J	11.8	25.4	1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	10/29/2007	Zinc	781				410	960	mg/kg-dw	1.9	0.8	Document 3400
MH178	N	3/18/2008	Anthracene	0.2		3.56	5.6	220	1200	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	3/18/2008	Aroclor 1254	0.085		3.56	2.4	12	65	mg/kg-oc	0.2	0.0	Document 3400
MH178	N	3/18/2008	Aroclor 1260	0.036		3.56	1.0	12	65	mg/kg-oc	0.1	0.0	Document 3400
MH178	N	3/18/2008	Benzo(a)anthracene	0.95		3.56	26.7	110	270	mg/kg-oc	0.2	0.1	Document 3400
MH178	N	3/18/2008	Benzo(a)pyrene	1.3		3.56	36.5	99	210	mg/kg-oc	0.4	0.2	Document 3400
MH178	N	3/18/2008	Benzo(b)fluoranthene	1.9		3.56	53.4	230	450	mg/kg-oc	0.2	0.1	Document 3400
MH178	N	3/18/2008	Benzo(g,h,i)perylene	0.85		3.56	23.9	31	78	mg/kg-oc	0.8	0.3	Document 3400
MH178	N	3/18/2008	Benzo(k)fluoranthene	1		3.56	28.1	230	450	mg/kg-oc	0.1	0.1	Document 3400
MH178	N	3/18/2008	bis(2-Ethylhexyl)phthalate	0.99		3.56	27.8	47	78	mg/kg-oc	0.6	0.4	Document 3400
MH178	N	3/18/2008	Chrysene	1.4		3.56	39.3	110	460	mg/kg-oc	0.4	0.1	Document 3400
MH178	N	3/18/2008	Copper	76.9				390	390	mg/kg-dw	0.2	0.2	Document 3400
MH178	N	3/18/2008	Dibenz(a,h)anthracene	0.29		3.56	8.1	12	33	mg/kg-oc	0.7	0.2	Document 3400
MH178	N	3/18/2008	Diesel Range Hydrocarbons	86				NA	NA				Document 3400
MH178	N	3/18/2008	Di-n-octyl phthalate	0.18		3.56	5.1	58	4500	mg/kg-oc	0.1	0.0	Document 3400
MH178	N	3/18/2008	Fluoranthene	3.1		3.56	87.1	160	1200	mg/kg-oc	0.5	0.1	Document 3400
MH178	N	3/18/2008	Heavy Oil Range Hydrocarbons	760				NA	NA				Document 3400
MH178	N	3/18/2008	Indeno(1,2,3-cd)pyrene	0.81		3.56	22.8	34	88	mg/kg-oc	0.7	0.3	Document 3400
MH178	N	3/18/2008	Lead	92				450	530	mg/kg-dw	0.2	0.2	Document 3400
MH178	N	3/18/2008	Mercury	0.14				0.41	0.59	mg/kg-dw	0.3	0.2	Document 3400
MH178	N	3/18/2008	PCBs, total	0.121		3.56	3.4	12	65	mg/kg-oc	0.3	0.1	Document 3400
MH178	N	3/18/2008	Phenanthrene	1.3		3.56	36.5	100	480	mg/kg-oc	0.4	0.1	Document 3400
MH178	N	3/18/2008	Pyrene	2		3.56	56.2	1000	1400	mg/kg-oc	0.1	0.0	Document 3400
MH178	N	3/18/2008	Zinc	201				410	960	mg/kg-dw	0.5	0.2	Document 3400
MH178	N	7/30/2008	4-Methylphenol	0.31				670	670	ug/kg-dw	0.5	0.5	Document 3400
MH178	N	7/30/2008	Aroclor 1254	0.16				12	65	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	7/30/2008	Aroclor 1260	0.048				12	65	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	7/30/2008	Arsenic	10				57	93	mg/kg-dw	0.2	0.1	Document 3400
MH178	N	7/30/2008	Benzo(a)anthracene	1.2				110	270	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	7/30/2008	Benzo(a)pyrene	1.9				99	210	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	7/30/2008	Benzo(b)fluoranthene	2.7				230	450	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	7/30/2008	Benzo(g,h,i)perylene	1.5				31	78	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	7/30/2008	Benzo(k)fluoranthene	1.8				230	450	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	7/30/2008	bis(2-Ethylhexyl)phthalate	5.8				47	78	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	7/30/2008	Butylbenzylphthalate	0.32				4.9	64	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	7/30/2008	Chrysene	2.3				110	460	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	7/30/2008	Copper	206				390	390	mg/kg-dw	0.5	0.5	Document 3400
MH178	N	7/30/2008	Dibenz(a,h)anthracene	0.3				12	33	mg/kg-oc	0.0	0.0	Document 3400

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH178	N	7/30/2008	Diesel Range Hydrocarbons	160			NA	NA				Document 3400
MH178	N	7/30/2008	Di-n-octyl phthalate	0.53			58	4500	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	7/30/2008	Fluoranthene	4.1			160	1200	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	7/30/2008	Heavy Oil Range Hydrocarbons	900			NA	NA				Document 3400
MH178	N	7/30/2008	Indeno(1,2,3-cd)pyrene	1.4			34	88	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	7/30/2008	Lead	172			450	530	mg/kg-dw	0.4	0.3	Document 3400
MH178	N	7/30/2008	Mercury	0.21			0.41	0.59	mg/kg-dw	0.5	0.4	Document 3400
MH178	N	7/30/2008	PCBs, total	0.208			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	7/30/2008	Phenanthrene	1.7			100	480	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	7/30/2008	Pyrene	3.2			1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH178	N	7/30/2008	Zinc	374			410	960	mg/kg-dw	0.9	0.4	Document 3400
MH178	N	12/3/2008	4-Methylphenol	1.3	13.2		670	670	ug/kg-dw	1.9	1.9	Document 3260
MH178	N	12/3/2008	Anthracene	0.48	13.2	3.6	220	1200	mg/kg-oc	0.0	0.0	Document 3260
MH178	N	12/3/2008	Aroclor 1254	0.19	13.2	1.4	12	65	mg/kg-oc	0.1	0.0	Document 3260
MH178	N	12/3/2008	Aroclor 1260	0.12	13.2	0.9	12	65	mg/kg-oc	0.1	0.0	Document 3260
MH178	N	12/3/2008	Arsenic	20	13.2		57	93	mg/kg-dw	0.4	0.2	Document 3260
MH178	N	12/3/2008	Benzo(a)anthracene	2.7	13.2	20.5	110	270	mg/kg-oc	0.2	0.1	Document 3260
MH178	N	12/3/2008	Benzo(a)pyrene	4	13.2	30.3	99	210	mg/kg-oc	0.3	0.1	Document 3260
MH178	N	12/3/2008	Benzo(b)fluoranthene	4.6	13.2	34.8	230	450	mg/kg-oc	0.2	0.1	Document 3260
MH178	N	12/3/2008	Benzo(g,h,i)perylene	2.5	13.2	18.9	31	78	mg/kg-oc	0.6	0.2	Document 3260
MH178	N	12/3/2008	Benzo(k)fluoranthene	4.4	13.2	33.3	230	450	mg/kg-oc	0.1	0.1	Document 3260
MH178	N	12/3/2008	bis(2-Ethylhexyl)phthalate	9.8	13.2	74.2	47	78	mg/kg-oc	1.6	1.0	Document 3260
MH178	N	12/3/2008	Butylbenzylphthalate	0.37	13.2	2.8	4.9	64	mg/kg-oc	0.6	0.0	Document 3260
MH178	N	12/3/2008	Carbazole	1.1	13.2		NA	NA				Document 3260
MH178	N	12/3/2008	Chrysene	4.7	13.2	35.6	110	460	mg/kg-oc	0.3	0.1	Document 3260
MH178	N	12/3/2008	Dibenz(a,h)anthracene	0.89	13.2	6.7	12	33	mg/kg-oc	0.6	0.2	Document 3260
MH178	N	12/3/2008	Diesel Range Hydrocarbons	230	13.2		NA	NA				Document 3260
MH178	N	12/3/2008	Di-n-octyl phthalate	3.5	13.2	26.5	58	4500	mg/kg-oc	0.5	0.0	Document 3260
MH178	N	12/3/2008	Fluoranthene	9.5	13.2	72.0	160	1200	mg/kg-oc	0.4	0.1	Document 3260
MH178	N	12/3/2008	Fluorene	0.23	13.2	1.7	23	79	mg/kg-oc	0.1	0.0	Document 3260
MH178	N	12/3/2008	Indeno(1,2,3-cd)pyrene	2.4	13.2	18.2	34	88	mg/kg-oc	0.5	0.2	Document 3260
MH178	N	12/3/2008	Motor Oil	1600	13.2		NA	NA				Document 3260
MH178	N	12/3/2008	PCBs, total	0.31	13.2	2.3	12	65	mg/kg-oc	0.2	0.0	Document 3260
MH178	N	12/3/2008	Phenanthrene	3.8	13.2	28.8	100	480	mg/kg-oc	0.3	0.1	Document 3260
MH178	N	12/3/2008	Pyrene	5.5	13.2	41.7	1000	1400	mg/kg-oc	0.0	0.0	Document 3260
MH178	N	12/3/2008	Zinc	691	13.2		410	960	mg/kg-dw	1.7	0.7	Document 3260
MH179	N	9/22/1997	Aroclor 1254	3.3	3.22	102.5	12	65	mg/kg-oc	8.5	1.6	PCB Report
MH179	N	9/22/1997	PCB, total	3.3	3.22	102.5	12	65	mg/kg-oc	8.5	1.6	PCB Report
MH179	N	8/7/1998	Aroclor 1254	1.2	3.22	37.3	12	65	mg/kg-oc	3.1	0.6	PCB Report
MH179	N	8/7/1998	Aroclor 1260	0.11	3.22	3.4	12	65	mg/kg-oc	0.3	0.1	PCB Report
MH179	N	8/7/1998	PCB, total	1.31	3.22	40.7	12	65	mg/kg-oc	3.4	0.6	PCB Report
MH179	N	5/4/2000	Aroclor 1248	32.721	3.22	1016.2	12	65	mg/kg-oc	84.7	15.6	PCB Report
MH179	N	5/4/2000	PCB, total	32.721	3.22	1016.2	12	65	mg/kg-oc	84.7	15.6	PCB Report
MH179	N	9/26/2005	Aroclor 1248	6.9	3.22	214.3	12	65	mg/kg-oc	17.9	3.3	no data
MH179	N	9/26/2005	Aroclor 1254	8.4	3.22	260.9	12	65	mg/kg-oc	21.7	4.0	no data

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH179	N	9/26/2005	PCB, total	15.3	3.22	475.2	12	65	mg/kg-oc	39.6	7.3	no data
MH179	N	4/26/2006	Aroclor 1254	34	3.22	1055.9	12	65	mg/kg-oc	88.0	16.2	no data
MH179	N	4/26/2006	PCB, total	34	3.22	1055.9	12	65	mg/kg-oc	88.0	16.2	no data
MH179	N	7/25/2006	Aroclor 1248	33	3.22	1024.8	12	65	mg/kg-oc	85.4	15.8	no data
MH179	N	7/25/2006	Aroclor 1254	14	3.22	434.8	12	65	mg/kg-oc	36.2	6.7	no data
MH179	N	7/25/2006	PCB, total	47	3.22	1459.6	12	65	mg/kg-oc	121.6	22.5	no data
MH179	N	3/13/2007	Aroclor 1248	0.23	3.22	7.1	12	65	mg/kg-oc	0.6	0.1	no data
MH179	N	3/13/2007	Aroclor 1254	0.33	3.22	10.2	12	65	mg/kg-oc	0.9	0.2	no data
MH179	N	3/13/2007	Aroclor 1260	0.14	3.22	4.3	12	65	mg/kg-oc	0.4	0.1	no data
MH179	N	3/13/2007	PCB, total	0.7	3.22	21.7	12	65	mg/kg-oc	1.8	0.3	no data
MH179A	N	9/26/2005	Aroclor 1248	2.2	3.22	68.3	12	65	mg/kg-oc	5.7	1.1	no data
MH179A	N	9/26/2005	Aroclor 1254	1.5	3.22	46.6	12	65	mg/kg-oc	3.9	0.7	no data
MH179A	N	9/26/2005	PCB, total	3.7	3.22	114.9	12	65	mg/kg-oc	9.6	1.8	no data
MH181		9/23/1997	Aroclor 1254	9	3.22	279.5	12	65	mg/kg-oc	23.3	4.3	PCB Report
MH181		9/23/1997	PCB, total	9	3.22	279.5	12	65	mg/kg-oc	23.3	4.3	PCB Report
MH181		8/11/1998	Aroclor 1254	5.5	3.22	170.8	12	65	mg/kg-oc	14.2	2.6	PCB Report
MH181		8/11/1998	Aroclor 1260	0.9	3.22	28.0	12	65	mg/kg-oc	2.3	0.4	PCB Report
MH181		8/11/1998	PCB, total	6.4	3.22	198.8	12	65	mg/kg-oc	16.6	3.1	PCB Report
MH181A	N	9/23/1997	Aroclor 1254	10	3.22	310.6	12	65	mg/kg-oc	25.9	4.8	PCB Report
MH181A	N	9/23/1997	PCB, total	10	3.22	310.6	12	65	mg/kg-oc	25.9	4.8	PCB Report
MH181A	N	8/11/1998	Aroclor 1248	1.3	3.22	40.4	12	65	mg/kg-oc	3.4	0.6	PCB Report
MH181A	N	8/11/1998	Aroclor 1254	4.8	3.22	149.1	12	65	mg/kg-oc	12.4	2.3	PCB Report
MH181A	N	8/11/1998	Aroclor 1260	0.99	3.22	30.7	12	65	mg/kg-oc	2.6	0.5	PCB Report
MH181A	N	8/11/1998	PCB, total	7.09	3.22	220.2	12	65	mg/kg-oc	18.3	3.4	PCB Report
MH181A	N	12/8/2006	Aroclor 1248	6.8	3.22	211.2	12	65	mg/kg-oc	17.6	3.2	no data
MH181A	N	12/8/2006	Aroclor 1254	9.3	3.22	288.8	12	65	mg/kg-oc	24.1	4.4	no data
MH181A	N	12/8/2006	Aroclor 1260	1.8	3.22	55.9	12	65	mg/kg-oc	4.7	0.9	no data
MH181A	N	12/8/2006	PCB, total	17.9	3.22	555.9	12	65	mg/kg-oc	46.3	8.6	no data
MH181A	N	3/13/2007	Aroclor 1248	6.1	3.22	189.4	12	65	mg/kg-oc	15.8	2.9	no data
MH181A	N	3/13/2007	Aroclor 1254	6.7	3.22	208.1	12	65	mg/kg-oc	17.3	3.2	no data
MH181A	N	3/13/2007	PCB, total	12.8	3.22	397.5	12	65	mg/kg-oc	33.1	6.1	no data
MH187	N	7/17/1992	Aroclor 1254	180	3.22	5590.1	12	65	mg/kg-oc	465.8	86.0	PCB Report
MH187	N	7/17/1992	PCB, total	180	3.22	5590.1	12	65	mg/kg-oc	465.8	86.0	PCB Report
MH187	N	10/18/1996	Aroclor 1254	0.46	3.22	14.3	12	65	mg/kg-oc	1.2	0.2	PCB Report
MH187	N	10/18/1996	Aroclor 1260	0.12	3.22	3.7	12	65	mg/kg-oc	0.3	0.1	PCB Report
MH187	N	10/18/1996	PCB, total	0.58	3.22	18.0	12	65	mg/kg-oc	1.5	0.3	PCB Report
MH187	N	9/23/1997	Aroclor 1254	49	3.22	1521.7	12	65	mg/kg-oc	126.8	23.4	PCB Report
MH187	N	9/23/1997	PCB, total	49	3.22	1521.7	12	65	mg/kg-oc	126.8	23.4	PCB Report
MH187	N	8/7/1998	Aroclor 1248	13	3.22	403.7	12	65	mg/kg-oc	33.6	6.2	PCB Report
MH187	N	8/7/1998	Aroclor 1254	13	3.22	403.7	12	65	mg/kg-oc	33.6	6.2	PCB Report
MH187	N	8/7/1998	Aroclor 1260	1.2	3.22	37.3	12	65	mg/kg-oc	3.1	0.6	PCB Report
MH187	N	8/7/1998	PCB, total	27.2	3.22	844.7	12	65	mg/kg-oc	70.4	13.0	PCB Report
MH187	N	10/4/2005	Aroclor 1254	8.1	3.22	251.6	12	65	mg/kg-oc	21.0	3.9	no data
MH187	N	10/4/2005	Aroclor 1260	1.1	3.22	34.2	12	65	mg/kg-oc	2.8	0.5	no data
MH187	N	10/4/2005	PCB, total	9.2	3.22	285.7	12	65	mg/kg-oc	23.8	4.4	no data

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)		TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH187	N	12/8/2006	Aroclor 1248	32		3.22	993.8	12	65	mg/kg-oc	82.8	15.3	no data
MH187	N	12/8/2006	Aroclor 1254	29		3.22	900.6	12	65	mg/kg-oc	75.1	13.9	no data
MH187	N	12/8/2006	Aroclor 1260	3.1	J	3.22	96.3	12	65	mg/kg-oc	8.0	1.5	no data
MH187	N	12/8/2006	PCB, total	64.1		3.22	1990.7	12	65	mg/kg-oc	165.9	30.6	no data
MH187	N	3/13/2007	Aroclor 1248	42		3.22	1304.3	12	65	mg/kg-oc	108.7	20.1	no data
MH187	N	3/13/2007	Aroclor 1254	58		3.22	1801.2	12	65	mg/kg-oc	150.1	27.7	no data
MH187	N	3/13/2007	PCB, total	100		3.22	3105.6	12	65	mg/kg-oc	258.8	47.8	no data
MH193	N	9/23/1997	Aroclor 1254	47		3.22	1459.6	12	65	mg/kg-oc	121.6	22.5	PCB Report
MH193	N	9/23/1997	PCB, total	47		3.22	1459.6	12	65	mg/kg-oc	121.6	22.5	PCB Report
MH193	N	8/7/1998	Aroclor 1248	16		3.22	496.9	12	65	mg/kg-oc	41.4	7.6	PCB Report
MH193	N	8/7/1998	Aroclor 1254	32		3.22	993.8	12	65	mg/kg-oc	82.8	15.3	PCB Report
MH193	N	8/7/1998	Aroclor 1260	2.1		3.22	65.2	12	65	mg/kg-oc	5.4	1.0	PCB Report
MH193	N	8/7/1998	PCB, total	50.1		3.22	1555.9	12	65	mg/kg-oc	129.7	23.9	PCB Report
MH193	N	5/4/2000	Aroclor 1248	37.961		3.22	1178.9	12	65	mg/kg-oc	98.2	18.1	PCB Report
MH193	N	5/4/2000	Aroclor 1260	9.038		3.22	280.7	12	65	mg/kg-oc	23.4	4.3	PCB Report
MH193	N	5/4/2000	PCB, total	46.999		3.22	1459.6	12	65	mg/kg-oc	121.6	22.5	PCB Report
MH193	N	9/26/2005	Aroclor 1248	36		3.22	1118.0	12	65	mg/kg-oc	93.2	17.2	no data
MH193	N	9/26/2005	Aroclor 1254	48		3.22	1490.7	12	65	mg/kg-oc	124.2	22.9	no data
MH193	N	9/26/2005	PCB, total	84		3.22	2608.7	12	65	mg/kg-oc	217.4	40.1	no data
MH193	N	7/25/2006	Aroclor 1248	81		3.22	2515.5	12	65	mg/kg-oc	209.6	38.7	no data
MH193	N	7/25/2006	Aroclor 1254	110		3.22	3416.1	12	65	mg/kg-oc	284.7	52.6	no data
MH193	N	7/25/2006	PCB, total	191		3.22	5931.7	12	65	mg/kg-oc	494.3	91.3	no data
MH193	N	1/8/2007	Aroclor 1254	24		3.22	745.3	12	65	mg/kg-oc	62.1	11.5	no data
MH193	N	1/8/2007	PCB, total	24		3.22	745.3	12	65	mg/kg-oc	62.1	11.5	no data
MH193	N	3/13/2007	Aroclor 1248	63		3.22	1956.5	12	65	mg/kg-oc	163.0	30.1	no data
MH193	N	3/13/2007	Aroclor 1254	110		3.22	3416.1	12	65	mg/kg-oc	284.7	52.6	no data
MH193	N	3/13/2007	PCB, total	173		3.22	5372.7	12	65	mg/kg-oc	447.7	82.7	no data
MH19C	SC	8/11/2005	Aroclor 1254	0.038	JP			12	65	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	8/11/2005	PCBs, total	0.038				12	65	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	3/16/2006	4-Methylphenol	3		11.8		670	670	ug/kg-dw	4.5	4.5	Document 3260
MH19C	SC	3/16/2006	Acenaphthene	0.37	J	11.8	3.1	16	57	mg/kg-oc	0.2	0.1	Document 3260
MH19C	SC	3/16/2006	Anthracene	0.69		11.8	5.8	220	1200	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	3/16/2006	Aroclor 1254	0.55		11.8	4.7	12	65	mg/kg-oc	0.4	0.1	Document 3260
MH19C	SC	3/16/2006	Aroclor 1260	0.18		11.8	1.5	12	65	mg/kg-oc	0.1	0.0	Document 3260
MH19C	SC	3/16/2006	Arsenic	12		11.8		57	93	mg/kg-dw	0.2	0.1	Document 3260
MH19C	SC	3/16/2006	Benzo(a)anthracene	3.6		11.8	30.5	110	270	mg/kg-oc	0.3	0.1	Document 3260
MH19C	SC	3/16/2006	Benzo(a)pyrene	4.6		11.8	39.0	99	210	mg/kg-oc	0.4	0.2	Document 3260
MH19C	SC	3/16/2006	Benzo(b)fluoranthene	7.4		11.8	62.7	230	450	mg/kg-oc	0.3	0.1	Document 3260
MH19C	SC	3/16/2006	Benzo(g,h,i)perylene	2.2	J	11.8	18.6	31	78	mg/kg-oc	0.6	0.2	Document 3260
MH19C	SC	3/16/2006	Benzo(k)fluoranthene	5.1		11.8	43.2	230	450	mg/kg-oc	0.2	0.1	Document 3260
MH19C	SC	3/16/2006	bis(2-Ethylhexyl)phthalate	3.8		11.8	32.2	47	78	mg/kg-oc	0.7	0.4	Document 3260
MH19C	SC	3/16/2006	Butylbenzylphthalate	0.54	J	11.8	4.6	4.9	64	mg/kg-oc	0.9	0.1	Document 3260
MH19C	SC	3/16/2006	Carbazole	1.4		11.8		NA	NA				Document 3260
MH19C	SC	3/16/2006	Chrysene	6.8		11.8	57.6	110	460	mg/kg-oc	0.5	0.1	Document 3260
MH19C	SC	3/16/2006	Copper	142		11.8		390	390	mg/kg-dw	0.4	0.4	Document 3260



**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH19C	SC	3/16/2006	Dibenz(a,h)anthracene	0.6	11.8	5.1	12	33	mg/kg-oc	0.4	0.2	Document 3260
MH19C	SC	3/16/2006	Diesel Range Hydrocarbons	410	11.8		NA	NA				Document 3260
MH19C	SC	3/16/2006	Fluoranthene	12	11.8	101.7	160	1200	mg/kg-oc	0.6	0.1	Document 3260
MH19C	SC	3/16/2006	Fluorene	0.42	11.8	3.6	23	79	mg/kg-oc	0.2	0.0	Document 3260
MH19C	SC	3/16/2006	Indeno(1,2,3-cd)pyrene	2.5	11.8	21.2	34	88	mg/kg-oc	0.6	0.2	Document 3260
MH19C	SC	3/16/2006	Lead	740	11.8		450	530	mg/kg-dw	1.6	1.4	Document 3260
MH19C	SC	3/16/2006	Mercury	0.16	11.8		0.41	0.59	mg/kg-dw	0.4	0.3	Document 3260
MH19C	SC	3/16/2006	Motor Oil	2700	11.8		NA	NA				Document 3260
MH19C	SC	3/16/2006	PCBs, total	0.73	11.8	6.2	12	65	mg/kg-oc	0.5	0.1	Document 3260
MH19C	SC	3/16/2006	Phenanthrene	6.9	11.8	58.5	100	480	mg/kg-oc	0.6	0.1	Document 3260
MH19C	SC	3/16/2006	Pyrene	8.4	11.8	71.2	1000	1400	mg/kg-oc	0.1	0.1	Document 3260
MH19C	SC	3/16/2006	Zinc	276	11.8		410	960	mg/kg-dw	0.7	0.3	Document 3260
MH19C	SC	10/6/2006	2-Methylnaphthalene	0.042			38	64	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	4-Methylphenol	0.01			670	670	ug/kg-dw	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Acenaphthene	0.083			16	57	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Acenaphthylene	0.034			66	66	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Anthracene	0.23			220	1200	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Benzo(a)anthracene	1.1			110	270	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Benzo(a)pyrene	1.5			99	210	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Benzo(b)fluoranthene	2.1			230	450	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Benzo(g,h,i)perylene	0.51			31	78	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Benzo(k)fluoranthene	1.2			230	450	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	bis(2-Ethylhexyl)phthalate	0.67			47	78	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Butylbenzylphthalate	0.062			4.9	64	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Carbazole	0.34			NA	NA				Document 3260
MH19C	SC	10/6/2006	Chrysene	2.1			110	460	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Copper	282			390	390	mg/kg-dw	0.7	0.7	Document 3260
MH19C	SC	10/6/2006	Dibenz(a,h)anthracene	0.25			12	33	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Dibenzofuran	0.076			15	58	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Di-n-butylphthalate	0.11			220	1700	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Di-n-octyl phthalate	0.044			58	4500	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Fluoranthene	3.7			160	1200	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Fluorene	0.1			23	79	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Indeno(1,2,3-cd)pyrene	0.58			34	88	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Lead	1070			450	530	mg/kg-dw	2.4	2.0	Document 3260
MH19C	SC	10/6/2006	Naphthalene	0.037			99	170	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Phenanthrene	1.8			100	480	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Pyrene	2.6			1000	1400	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	10/6/2006	Zinc	418			410	960	mg/kg-dw	1.0	0.4	Document 3260
MH19C	SC	1/9/2007	4-Methylphenol	0.31	4.84		670	670	ug/kg-dw	0.5	0.5	Document 3260
MH19C	SC	1/9/2007	Acenaphthene	0.076	4.84	1.6	16	57	mg/kg-oc	0.1	0.0	Document 3260
MH19C	SC	1/9/2007	Anthracene	0.22	4.84	4.5	220	1200	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	1/9/2007	Aroclor 1254	0.1	4.84	2.1	12	65	mg/kg-oc	0.2	0.0	Document 3260
MH19C	SC	1/9/2007	Aroclor 1260	0.087	4.84	1.8	12	65	mg/kg-oc	0.1	0.0	Document 3260
MH19C	SC	1/9/2007	Benzo(a)anthracene	1.1	4.84	22.7	110	270	mg/kg-oc	0.2	0.1	Document 3260

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH19C	SC	1/9/2007	Benzo(a)pyrene	1.6	4.84	33.1	99	210	mg/kg-oc	0.3	0.2	Document 3260
MH19C	SC	1/9/2007	Benzo(b)fluoranthene	3.4	4.84	70.2	230	450	mg/kg-oc	0.3	0.2	Document 3260
MH19C	SC	1/9/2007	Benzo(g,h,i)perylene	0.88	4.84	18.2	31	78	mg/kg-oc	0.6	0.2	Document 3260
MH19C	SC	1/9/2007	Benzo(k)fluoranthene	1.1	4.84	22.7	230	450	mg/kg-oc	0.1	0.1	Document 3260
MH19C	SC	1/9/2007	bis(2-Ethylhexyl)phthalate	0.8	4.84	16.5	47	78	mg/kg-oc	0.4	0.2	Document 3260
MH19C	SC	1/9/2007	Butylbenzylphthalate	0.14	4.84	2.9	4.9	64	mg/kg-oc	0.6	0.0	Document 3260
MH19C	SC	1/9/2007	Carbazole	0.54	4.84		NA	NA				Document 3260
MH19C	SC	1/9/2007	Chrysene	2.1	4.84	43.4	110	460	mg/kg-oc	0.4	0.1	Document 3260
MH19C	SC	1/9/2007	Dibenz(a,h)anthracene	0.17	4.84	3.5	12	33	mg/kg-oc	0.3	0.1	Document 3260
MH19C	SC	1/9/2007	Fluoranthene	4	4.84	82.6	160	1200	mg/kg-oc	0.5	0.1	Document 3260
MH19C	SC	1/9/2007	Fluorene	0.11	4.84	2.3	23	79	mg/kg-oc	0.1	0.0	Document 3260
MH19C	SC	1/9/2007	Indeno(1,2,3-cd)pyrene	1.1	4.84	22.7	34	88	mg/kg-oc	0.7	0.3	Document 3260
MH19C	SC	1/9/2007	PCBs, total	0.187	4.84	3.9	12	65	mg/kg-oc	0.3	0.1	Document 3260
MH19C	SC	1/9/2007	Phenanthrene	1.7	4.84	35.1	100	480	mg/kg-oc	0.4	0.1	Document 3260
MH19C	SC	1/9/2007	Pyrene	2.4	4.84	49.6	1000	1400	mg/kg-oc	0.0	0.0	Document 3260
MH19C	SC	5/17/2007	Aroclor 1254	0.078	6.77	1.2	12	65	mg/kg-oc	0.1	0.0	Document 3260
MH19C	SC	5/17/2007	Copper	121	6.77		390	390	mg/kg-dw	0.3	0.3	Document 3260
MH19C	SC	5/17/2007	Lead	787	6.77		450	530	mg/kg-dw	1.7	1.5	Document 3260
MH19C	SC	5/17/2007	PCBs, total	0.078	6.77	1.2	12	65	mg/kg-oc	0.1	0.0	Document 3260
MH19C	SC	5/17/2007	Zinc	289	6.77		410	960	mg/kg-dw	0.7	0.3	Document 3260
MH219	NC	1/9/1997	Aroclor 1254	4.2	3.22	130.4	12	65	mg/kg-oc	10.9	2.0	PCB Report
MH219	NC	1/9/1997	PCB, total	4.2	3.22	130.4	12	65	mg/kg-oc	10.9	2.0	PCB Report
MH219	NC	8/11/1998	Aroclor 1248	0.23	3.22	7.1	12	65	mg/kg-oc	0.6	0.1	PCB Report
MH219	NC	8/11/1998	Aroclor 1254	1.7	3.22	52.8	12	65	mg/kg-oc	4.4	0.8	PCB Report
MH219	NC	8/11/1998	Aroclor 1260	0.8	3.22	24.8	12	65	mg/kg-oc	2.1	0.4	PCB Report
MH219	NC	8/11/1998	PCB, total	2.73	3.22	84.8	12	65	mg/kg-oc	7.1	1.3	PCB Report
MH220	NC	1/9/1997	Aroclor 1254	18	3.22	559.0	12	65	mg/kg-oc	46.6	8.6	PCB Report
MH220	NC	1/9/1997	PCB, total	18	3.22	559.0	12	65	mg/kg-oc	46.6	8.6	PCB Report
MH220	NC	9/22/1997	Aroclor 1254	16	3.22	496.9	12	65	mg/kg-oc	41.4	7.6	PCB Report
MH220	NC	9/22/1997	PCB, total	16	3.22	496.9	12	65	mg/kg-oc	41.4	7.6	PCB Report
MH220	NC	8/11/1998	Aroclor 1254	22	3.22	683.2	12	65	mg/kg-oc	56.9	10.5	PCB Report
MH220	NC	8/11/1998	Aroclor 1260	6.4	3.22	198.8	12	65	mg/kg-oc	16.6	3.1	PCB Report
MH220	NC	8/11/1998	PCB, total	28.4	3.22	882.0	12	65	mg/kg-oc	73.5	13.6	PCB Report
MH220	NC	12/30/2008	Aroclor 1254	2	3.22	62.1	12	65	mg/kg-oc	5.2	1.0	Document 2499
MH220	NC	12/30/2008	Aroclor 1260	1.6	3.22	49.7	12	65	mg/kg-oc	4.1	0.8	Document 2499
MH220	NC	12/30/2008	PCB, total	3.6	3.22	111.8	12	65	mg/kg-oc	9.3	1.7	Document 2499
MH221		9/23/1996	PCB, total	15	3.22	465.8	12	65	mg/kg-oc	38.8	7.2	PCB Report
MH221A	NC	2/16/2005	Anthracene	0.071	1	7.1	220	1200	mg/kg-oc	0.0	0.0	no data
MH221A	NC	2/16/2005	Aroclor 1254	0.96	1	96.0	12	65	mg/kg-oc	8.0	1.5	no data
MH221A	NC	2/16/2005	Aroclor 1260	0.53	1	53.0	12	65	mg/kg-oc	4.4	0.8	no data
MH221A	NC	2/16/2005	Arsenic	12	1		57	93	mg/kg-dw	0.2	0.1	no data
MH221A	NC	2/16/2005	Benzo(a)anthracene	0.28	1	28.0	110	270	mg/kg-oc	0.3	0.1	no data
MH221A	NC	2/16/2005	Benzo(a)pyrene	0.4	1	40.0	99	210	mg/kg-oc	0.4	0.2	no data
MH221A	NC	2/16/2005	Benzo(b)fluoranthene	0.71	1	71.0	230	450	mg/kg-oc	0.3	0.2	no data
MH221A	NC	2/16/2005	Benzo(g,h,i)perylene	0.23	1	23.0	31	78	mg/kg-oc	0.7	0.3	no data

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH221A	NC	2/16/2005	Benzo(k)fluoranthene	0.4	1	40.0	230	450	mg/kg-oc	0.2	0.1	no data
MH221A	NC	2/16/2005	bis(2-Ethylhexyl)phthalate	0.76	1	76.0	47	78	mg/kg-oc	1.6	1.0	no data
MH221A	NC	2/16/2005	Chrysene	0.49	1	49.0	110	460	mg/kg-oc	0.4	0.1	no data
MH221A	NC	2/16/2005	Copper	38.5	1		390	390	mg/kg-dw	0.1	0.1	no data
MH221A	NC	2/16/2005	Diesel Range Hydrocarbons	120	1		NA	NA				no data
MH221A	NC	2/16/2005	Di-n-octyl phthalate	0.12	1	12.0	58	4500	mg/kg-oc	0.2	0.0	no data
MH221A	NC	2/16/2005	Fluoranthene	0.92	1	92.0	160	1200	mg/kg-oc	0.6	0.1	no data
MH221A	NC	2/16/2005	Fluorene	0.073	1	7.3	23	79	mg/kg-oc	0.3	0.1	no data
MH221A	NC	2/16/2005	Heavy Oil Range Hydrocarbons	210	1		NA	NA				no data
MH221A	NC	2/16/2005	Indeno(1,2,3-cd)pyrene	0.26	1	26.0	34	88	mg/kg-oc	0.8	0.3	no data
MH221A	NC	2/16/2005	Lead	50	1		450	530	mg/kg-dw	0.1	0.1	no data
MH221A	NC	2/16/2005	Mercury	0.09	1		0.41	0.59	mg/kg-dw	0.2	0.2	no data
MH221A	NC	2/16/2005	Phenanthrene	0.3	1	30.0	100	480	mg/kg-oc	0.3	0.1	no data
MH221A	NC	2/16/2005	Pyrene	0.87	1	87.0	1000	1400	mg/kg-oc	0.1	0.1	no data
MH221A	NC	2/16/2005	Zinc	332	1		410	960	mg/kg-dw	0.8	0.3	no data
MH221A	NC	8/11/2005	2-Methylnaphthalene	4			38	64	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	2-Methylphenol	0.24			63	63	ug/kg-dw	3.8	3.8	Document 3400
MH221A	NC	8/11/2005	Acenaphthene	1.3			16	57	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	Anthracene	1.5			220	1200	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	Aroclor 1254	1.9	P		12	65	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	Aroclor 1260	0.85			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	Benzo(a)anthracene	3			110	270	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	Benzo(a)pyrene	3.4			99	210	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	Benzo(b)fluoranthene	4.6			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	Benzo(g,h,i)perylene	1.6			31	78	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	Benzo(k)fluoranthene	2.6			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	bis(2-Ethylhexyl)phthalate	6			47	78	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	Carbazole	1			NA	NA				Document 3400
MH221A	NC	8/11/2005	Chrysene	4.1			110	460	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	Dibenz(a,h)anthracene	0.73			12	33	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	Dibenzofuran	0.74			15	58	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	Di-n-butylphthalate	0.26			220	1700	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	Di-n-octyl phthalate	3.7			58	4500	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	Fluoranthene	8.9			160	1200	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	Fluorene	1			23	79	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	Indeno(1,2,3-cd)pyrene	1.9			34	88	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	Naphthalene	0.67			99	170	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	PCBs, total	2.75			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	Phenanthrene	8.6			100	480	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	8/11/2005	Phenol	0.22			420	1200	ug/kg-dw	0.5	0.2	Document 3400
MH221A	NC	8/11/2005	Pyrene	6.8			1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	3/16/2006	Aroclor 1254	0.75	5.41	13.9	12	65	mg/kg-oc	1.2	0.2	Document 3400
MH221A	NC	3/16/2006	Aroclor 1260	0.34	5.41	6.3	12	65	mg/kg-oc	0.5	0.1	Document 3400
MH221A	NC	3/16/2006	Arsenic	20			57	93	mg/kg-dw	0.4	0.2	Document 3400
MH221A	NC	3/16/2006	Benzo(a)anthracene	1.6	5.41	29.6	110	270	mg/kg-oc	0.3	0.1	Document 3400

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH221A	NC	3/16/2006	Benzo(a)pyrene	2	5.41	37.0	99	210	mg/kg-oc	0.4	0.2	Document 3400
MH221A	NC	3/16/2006	Benzo(b)fluoranthene	2.8	5.41	51.8	230	450	mg/kg-oc	0.2	0.1	Document 3400
MH221A	NC	3/16/2006	Benzo(g,h,i)perylene	0.99	5.41	18.3	31	78	mg/kg-oc	0.6	0.2	Document 3400
MH221A	NC	3/16/2006	Benzo(k)fluoranthene	2.2	5.41	40.7	230	450	mg/kg-oc	0.2	0.1	Document 3400
MH221A	NC	3/16/2006	bis(2-Ethylhexyl)phthalate	7.4	5.41	136.8	47	78	mg/kg-oc	2.9	1.8	Document 3400
MH221A	NC	3/16/2006	Carbazole	0.57			NA	NA				Document 3400
MH221A	NC	3/16/2006	Chrysene	3.1	5.41	57.3	110	460	mg/kg-oc	0.5	0.1	Document 3400
MH221A	NC	3/16/2006	Copper	134			390	390	mg/kg-dw	0.3	0.3	Document 3400
MH221A	NC	3/16/2006	Diesel Range Hydrocarbons	580			NA	NA				Document 3400
MH221A	NC	3/16/2006	Di-n-octyl phthalate	6.9	5.41	127.5	58	4500	mg/kg-oc	2.2	0.0	Document 3400
MH221A	NC	3/16/2006	Fluoranthene	6.1	5.41	112.8	160	1200	mg/kg-oc	0.7	0.1	Document 3400
MH221A	NC	3/16/2006	Heavy Oil Range Hydrocarbons	1800			NA	NA				Document 3400
MH221A	NC	3/16/2006	Indeno(1,2,3-cd)pyrene	1	5.41	18.5	34	88	mg/kg-oc	0.5	0.2	Document 3400
MH221A	NC	3/16/2006	Lead	190			450	530	mg/kg-dw	0.4	0.4	Document 3400
MH221A	NC	3/16/2006	Mercury	0.4			0.41	0.59	mg/kg-dw	1.0	0.7	Document 3400
MH221A	NC	3/16/2006	PCBs, total	1.09	5.41	20.1	12	65	mg/kg-oc	1.7	0.3	Document 3400
MH221A	NC	3/16/2006	Phenanthrene	2.8	5.41	51.8	100	480	mg/kg-oc	0.5	0.1	Document 3400
MH221A	NC	3/16/2006	Pyrene	3.5	5.41	64.7	1000	1400	mg/kg-oc	0.1	0.0	Document 3400
MH221A	NC	3/16/2006	Zinc	733			410	960	mg/kg-dw	1.8	0.8	Document 3400
MH221A	NC	10/11/2006	Aroclor 1254	0.58			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	10/11/2006	Aroclor 1260	0.36			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	10/11/2006	Arsenic	70			57	93	mg/kg-dw	1.2	0.8	Document 3400
MH221A	NC	10/11/2006	Copper	271			390	390	mg/kg-dw	0.7	0.7	Document 3400
MH221A	NC	10/11/2006	Lead	330			450	530	mg/kg-dw	0.7	0.6	Document 3400
MH221A	NC	10/11/2006	Mercury	0.6			0.41	0.59	mg/kg-dw	1.5	1.0	Document 3400
MH221A	NC	10/11/2006	PCBs, total	0.94			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	10/11/2006	Zinc	2460			410	960	mg/kg-dw	6.0	2.6	Document 3400
MH221A	NC	1/8/2007	Anthracene	0.5	4.34	11.5	220	1200	mg/kg-oc	0.1	0.0	Document 3400
MH221A	NC	1/8/2007	Aroclor 1254	1	4.34	23.0	12	65	mg/kg-oc	1.9	0.4	Document 3400
MH221A	NC	1/8/2007	Aroclor 1260	0.7	4.34	16.1	12	65	mg/kg-oc	1.3	0.2	Document 3400
MH221A	NC	1/8/2007	Arsenic	10			57	93	mg/kg-dw	0.2	0.1	Document 3400
MH221A	NC	1/8/2007	Benzo(a)anthracene	2.3	4.34	53.0	110	270	mg/kg-oc	0.5	0.2	Document 3400
MH221A	NC	1/8/2007	Benzo(a)pyrene	3.3	4.34	76.0	99	210	mg/kg-oc	0.8	0.4	Document 3400
MH221A	NC	1/8/2007	Benzo(b)fluoranthene	5.2	4.34	119.8	230	450	mg/kg-oc	0.5	0.3	Document 3400
MH221A	NC	1/8/2007	Benzo(g,h,i)perylene	1.4	4.34	32.3	31	78	mg/kg-oc	1.0	0.4	Document 3400
MH221A	NC	1/8/2007	Benzo(k)fluoranthene	4.4	4.34	101.4	230	450	mg/kg-oc	0.4	0.2	Document 3400
MH221A	NC	1/8/2007	bis(2-Ethylhexyl)phthalate	9	4.34	207.4	47	78	mg/kg-oc	4.4	2.7	Document 3400
MH221A	NC	1/8/2007	Butylbenzylphthalate	0.44	4.34	10.1	4.9	64	mg/kg-oc	2.1	0.2	Document 3400
MH221A	NC	1/8/2007	Chrysene	4.4	4.34	101.4	110	460	mg/kg-oc	0.9	0.2	Document 3400
MH221A	NC	1/8/2007	Copper	125			390	390	mg/kg-dw	0.3	0.3	Document 3400
MH221A	NC	1/8/2007	Diesel Range Hydrocarbons	1200			NA	NA				Document 3400
MH221A	NC	1/8/2007	Di-n-butylphthalate	0.34	4.34	7.8	220	1700	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	1/8/2007	Di-n-octyl phthalate	11	4.34	253.5	58	4500	mg/kg-oc	4.4	0.1	Document 3400
MH221A	NC	1/8/2007	Fluoranthene	8.7	4.34	200.5	160	1200	mg/kg-oc	1.3	0.2	Document 3400
MH221A	NC	1/8/2007	Heavy Oil Range Hydrocarbons	1300			NA	NA				Document 3400

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH221A	NC	1/8/2007	Indeno(1,2,3-cd)pyrene	1.4	4.34	32.3	34	88	mg/kg-oc	0.9	0.4	Document 3400
MH221A	NC	1/8/2007	Lead	175			450	530	mg/kg-dw	0.4	0.3	Document 3400
MH221A	NC	1/8/2007	Mercury	0.4			0.41	0.59	mg/kg-dw	1.0	0.7	Document 3400
MH221A	NC	1/8/2007	PCBs, total	1.7	4.34	39.2	12	65	mg/kg-oc	3.3	0.6	Document 3400
MH221A	NC	1/8/2007	Phenanthrene	4.1	4.34	94.5	100	480	mg/kg-oc	0.9	0.2	Document 3400
MH221A	NC	1/8/2007	Pyrene	5.6	4.34	129.0	1000	1400	mg/kg-oc	0.1	0.1	Document 3400
MH221A	NC	1/8/2007	Zinc	828			410	960	mg/kg-dw	2.0	0.9	Document 3400
MH221A	NC	5/14/2007	Aroclor 1254	0.79			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	5/14/2007	Aroclor 1260	0.8			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	5/14/2007	PCBs, total	1.59			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	10/29/2007	Aroclor 1254	1.2			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	10/29/2007	Aroclor 1260	0.68			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	10/29/2007	Arsenic	50			57	93	mg/kg-dw	0.9	0.5	Document 3400
MH221A	NC	10/29/2007	Copper	329			390	390	mg/kg-dw	0.8	0.8	Document 3400
MH221A	NC	10/29/2007	Lead	288			450	530	mg/kg-dw	0.6	0.5	Document 3400
MH221A	NC	10/29/2007	Mercury	0.5			0.41	0.59	mg/kg-dw	1.2	0.8	Document 3400
MH221A	NC	10/29/2007	PCBs, total	1.88			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	10/29/2007	Zinc	1990			410	960	mg/kg-dw	4.9	2.1	Document 3400
MH221A	NC	3/18/2008	Aroclor 1254	0.24	4.38	5.5	12	65	mg/kg-oc	0.5	0.1	Document 3400
MH221A	NC	3/18/2008	Aroclor 1260	0.2	4.38	4.6	12	65	mg/kg-oc	0.4	0.1	Document 3400
MH221A	NC	3/18/2008	Arsenic	18			57	93	mg/kg-dw	0.3	0.2	Document 3400
MH221A	NC	3/18/2008	Benzo(a)anthracene	0.34	4.38	7.8	110	270	mg/kg-oc	0.1	0.0	Document 3400
MH221A	NC	3/18/2008	Benzo(a)pyrene	0.6	4.38	13.7	99	210	mg/kg-oc	0.1	0.1	Document 3400
MH221A	NC	3/18/2008	Benzo(b)fluoranthene	1	4.38	22.8	230	450	mg/kg-oc	0.1	0.1	Document 3400
MH221A	NC	3/18/2008	Benzo(g,h,i)perylene	0.47	4.38	10.7	31	78	mg/kg-oc	0.3	0.1	Document 3400
MH221A	NC	3/18/2008	Benzo(k)fluoranthene	0.57	4.38	13.0	230	450	mg/kg-oc	0.1	0.0	Document 3400
MH221A	NC	3/18/2008	bis(2-Ethylhexyl)phthalate	2.3	4.38	52.5	47	78	mg/kg-oc	1.1	0.7	Document 3400
MH221A	NC	3/18/2008	Chrysene	0.77	4.38	17.6	110	460	mg/kg-oc	0.2	0.0	Document 3400
MH221A	NC	3/18/2008	Copper	85.8			390	390	mg/kg-dw	0.2	0.2	Document 3400
MH221A	NC	3/18/2008	Dibenz(a,h)anthracene	0.2	4.38	4.6	12	33	mg/kg-oc	0.4	0.1	Document 3400
MH221A	NC	3/18/2008	Diesel Range Hydrocarbons	100			NA	NA				Document 3400
MH221A	NC	3/18/2008	Di-n-octyl phthalate	2.4	4.38	54.8	58	4500	mg/kg-oc	0.9	0.0	Document 3400
MH221A	NC	3/18/2008	Fluoranthene	1.3	4.38	29.7	160	1200	mg/kg-oc	0.2	0.0	Document 3400
MH221A	NC	3/18/2008	Heavy Oil Range Hydrocarbons	420			NA	NA				Document 3400
MH221A	NC	3/18/2008	Indeno(1,2,3-cd)pyrene	0.45	4.38	10.3	34	88	mg/kg-oc	0.3	0.1	Document 3400
MH221A	NC	3/18/2008	Lead	115			450	530	mg/kg-dw	0.3	0.2	Document 3400
MH221A	NC	3/18/2008	Mercury	0.21			0.41	0.59	mg/kg-dw	0.5	0.4	Document 3400
MH221A	NC	3/18/2008	PCBs, total	0.44	4.38	10.0	12	65	mg/kg-oc	0.8	0.2	Document 3400
MH221A	NC	3/18/2008	Phenanthrene	0.56	4.38	12.8	100	480	mg/kg-oc	0.1	0.0	Document 3400
MH221A	NC	3/18/2008	Pyrene	0.86	4.38	19.6	1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	3/18/2008	Zinc	1080			410	960	mg/kg-dw	2.6	1.1	Document 3400
MH221A	NC	7/30/2008	Aroclor 1254	0.51	J		12	65	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	7/30/2008	Aroclor 1260	0.27	J		12	65	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	7/30/2008	Benzo(a)pyrene	0.83			99	210	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	7/30/2008	Benzo(b)fluoranthene	1.4			230	450	mg/kg-oc	0.0	0.0	Document 3400

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH221A	NC	7/30/2008	Benzo(g,h,i)perylene	0.96			31	78	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	7/30/2008	Benzo(k)fluoranthene	0.91			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	7/30/2008	bis(2-Ethylhexyl)phthalate	2.8			47	78	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	7/30/2008	Chrysene	1.1			110	460	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	7/30/2008	Di-n-octyl phthalate	3.3			58	4500	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	7/30/2008	Fluoranthene	1.9			160	1200	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	7/30/2008	Indeno(1,2,3-cd)pyrene	0.83			34	88	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	7/30/2008	PCBs, total	0.78	J		12	65	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	7/30/2008	Phenanthrene	0.82			100	480	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	7/30/2008	Pyrene	1.4			1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH221A	NC	12/3/2008	Aroclor 1254	0.1			12	65	mg/kg-oc	0.0	0.0	Document 3260
MH221A	NC	12/3/2008	Aroclor 1260	0.14			12	65	mg/kg-oc	0.0	0.0	Document 3260
MH221A	NC	12/3/2008	Benzo(a)anthracene	0.55			110	270	mg/kg-oc	0.0	0.0	Document 3260
MH221A	NC	12/3/2008	Benzo(a)pyrene	0.92			99	210	mg/kg-oc	0.0	0.0	Document 3260
MH221A	NC	12/3/2008	Benzo(b)fluoranthene	1.1			230	450	mg/kg-oc	0.0	0.0	Document 3260
MH221A	NC	12/3/2008	Benzo(g,h,i)perylene	0.81			31	78	mg/kg-oc	0.0	0.0	Document 3260
MH221A	NC	12/3/2008	Benzo(k)fluoranthene	1.6			230	450	mg/kg-oc	0.0	0.0	Document 3260
MH221A	NC	12/3/2008	bis(2-Ethylhexyl)phthalate	5.5			47	78	mg/kg-oc	0.0	0.0	Document 3260
MH221A	NC	12/3/2008	Carbazole	0.39			NA	NA				Document 3260
MH221A	NC	12/3/2008	Chrysene	1.8			110	460	mg/kg-oc	0.0	0.0	Document 3260
MH221A	NC	12/3/2008	Di-n-octyl phthalate	3.6			58	4500	mg/kg-oc	0.0	0.0	Document 3260
MH221A	NC	12/3/2008	Fluoranthene	3.8			160	1200	mg/kg-oc	0.0	0.0	Document 3260
MH221A	NC	12/3/2008	Indeno(1,2,3-cd)pyrene	0.73			34	88	mg/kg-oc	0.0	0.0	Document 3260
MH221A	NC	12/3/2008	PCBs, total	0.24			12	65	mg/kg-oc	0.0	0.0	Document 3260
MH221A	NC	12/3/2008	Phenanthrene	2.8			100	480	mg/kg-oc	0.0	0.0	Document 3260
MH221A	NC	12/3/2008	Pyrene	2.5			1000	1400	mg/kg-oc	0.0	0.0	Document 3260
MH223	NC	5/1/2000	Aroclor 1254	9.752	3.22	302.9	12	65	mg/kg-oc	25.2	4.7	PCB Report
MH223	NC	5/1/2000	Aroclor 1260	6.752	3.22	209.7	12	65	mg/kg-oc	17.5	3.2	PCB Report
MH223	NC	5/1/2000	PCB, total	16.504	3.22	512.5	12	65	mg/kg-oc	42.7	7.9	PCB Report
MH226	NC	8/6/1998	Aroclor 1254	34	3.22	1055.9	12	65	mg/kg-oc	88.0	16.2	PCB Report
MH226	NC	8/6/1998	Aroclor 1260	12	3.22	372.7	12	65	mg/kg-oc	31.1	5.7	PCB Report
MH226	NC	8/6/1998	PCB, total	46	3.22	1428.6	12	65	mg/kg-oc	119.0	22.0	PCB Report
MH226	NC	7/25/2006	Aroclor 1254	19	3.22	590.1	12	65	mg/kg-oc	49.2	9.1	no data
MH226	NC	7/25/2006	Aroclor 1260	6	3.22	186.3	12	65	mg/kg-oc	15.5	2.9	no data
MH226	NC	7/25/2006	PCB, total	15	3.22	465.8	12	65	mg/kg-oc	38.8	7.2	no data
MH226	NC	3/14/2007	Aroclor 1254	37	3.22	1149.1	12	65	mg/kg-oc	95.8	17.7	no data
MH226	NC	3/14/2007	Aroclor 1260	13	3.22	403.7	12	65	mg/kg-oc	33.6	6.2	no data
MH226	NC	3/14/2007	PCB, total	50	3.22	1552.8	12	65	mg/kg-oc	129.4	23.9	no data
MH227		8/18/1992	Aroclor 1254	110	3.22	3416.1	12	65	mg/kg-oc	284.7	52.6	PCB Report
MH227		8/18/1992	Aroclor 1260	32	3.22	993.8	12	65	mg/kg-oc	82.8	15.3	PCB Report
MH227		8/18/1992	PCB, total	142	3.22	4409.9	12	65	mg/kg-oc	367.5	67.8	PCB Report
MH228	NC	7/15/1992	Aroclor 1254	0.81	3.22	25.2	12	65	mg/kg-oc	2.1	0.4	PCB Report
MH228	NC	7/15/1992	Aroclor 1260	0.69	3.22	21.4	12	65	mg/kg-oc	1.8	0.3	PCB Report
MH228	NC	7/15/1992	PCB, total	1.5	3.22	46.6	12	65	mg/kg-oc	3.9	0.7	PCB Report
MH228	NC	4/10/2007	Aroclor 1254	1.1	3.22	34.2	12	65	mg/kg-oc	2.8	0.5	no data

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH228	NC	4/10/2007	Aroclor 1260	0.77	3.22	23.9	12	65	mg/kg-oc	2.0	0.4	no data
MH228	NC	4/10/2007	PCB, total	1.87	3.22	58.1	12	65	mg/kg-oc	4.8	0.9	no data
MH228C	NC	4/10/2007	Aroclor 1254	15	3.22	465.8	12	65	mg/kg-oc	38.8	7.2	no data
MH228C	NC	4/10/2007	Aroclor 1260	4.7	3.22	146.0	12	65	mg/kg-oc	12.2	2.2	no data
MH228C	NC	4/10/2007	PCB, total	19.7	3.22	611.8	12	65	mg/kg-oc	51.0	9.4	no data
MH228D	NC	4/10/2007	Aroclor 1254	16	3.22	496.9	12	65	mg/kg-oc	41.4	7.6	no data
MH228D	NC	4/10/2007	Aroclor 1260	4	3.22	124.2	12	65	mg/kg-oc	10.4	1.9	no data
MH228D	NC	4/10/2007	PCB, total	20	3.22	621.1	12	65	mg/kg-oc	51.8	9.6	no data
MH229A	NC	10/3/1996	PCB, total	1.2	3.88	30.9	12	65	mg/kg-oc	2.6	0.5	PCB Report
MH229A	NC	2/16/2005	2-Methylnaphthalene	0.66	3.88	17.0	38	64	mg/kg-oc	0.4	0.3	no data
MH229A	NC	2/16/2005	Acenaphthene	0.93	3.88	24.0	16	57	mg/kg-oc	1.5	0.4	no data
MH229A	NC	2/16/2005	Anthracene	1.2	3.88	30.9	220	1200	mg/kg-oc	0.1	0.0	no data
MH229A	NC	2/16/2005	Aroclor 1254	3.7	3.88	95.4	12	65	mg/kg-oc	7.9	1.5	no data
MH229A	NC	2/16/2005	Aroclor 1260	1.9	3.88	49.0	12	65	mg/kg-oc	4.1	0.8	no data
MH229A	NC	2/16/2005	Arsenic	30	3.88		57	93	mg/kg-dw	0.5	0.3	no data
MH229A	NC	2/16/2005	Benzo(a)anthracene	3	3.88	77.3	110	270	mg/kg-oc	0.7	0.3	no data
MH229A	NC	2/16/2005	Benzo(a)pyrene	3.4	3.88	87.6	99	210	mg/kg-oc	0.9	0.4	no data
MH229A	NC	2/16/2005	Benzo(b)fluoranthene	5.4	3.88	139.2	230	450	mg/kg-oc	0.6	0.3	no data
MH229A	NC	2/16/2005	Benzo(g,h,i)perylene	1.3	3.88	33.5	31	78	mg/kg-oc	1.1	0.4	no data
MH229A	NC	2/16/2005	Benzo(k)fluoranthene	3.6	3.88	92.8	230	450	mg/kg-oc	0.4	0.2	no data
MH229A	NC	2/16/2005	bis(2-Ethylhexyl)phthalate	2.2	3.88	56.7	47	78	mg/kg-oc	1.2	0.7	no data
MH229A	NC	2/16/2005	Carbazole	1.5	3.88		NA	NA				no data
MH229A	NC	2/16/2005	Chrysene	4.2	3.88	108.2	110	460	mg/kg-oc	1.0	0.2	no data
MH229A	NC	2/16/2005	Copper	85.5	3.88		390	390	mg/kg-dw	0.2	0.2	no data
MH229A	NC	2/16/2005	Dibenzofuran	0.56	3.88	14.4	15	58	mg/kg-oc	1.0	0.2	no data
MH229A	NC	2/16/2005	Diesel Range Hydrocarbons	200	3.88		NA	NA				no data
MH229A	NC	2/16/2005	Di-n-octyl phthalate	0.24	3.88	6.2	58	4500	mg/kg-oc	0.1	0.0	no data
MH229A	NC	2/16/2005	Fluoranthene	11	3.88	283.5	160	1200	mg/kg-oc	1.8	0.2	no data
MH229A	NC	2/16/2005	Fluorene	1.1	3.88	28.4	23	79	mg/kg-oc	1.2	0.4	no data
MH229A	NC	2/16/2005	Heavy Oil Range Hydrocarbons	1100	3.88		NA	NA				no data
MH229A	NC	2/16/2005	Indeno(1,2,3-cd)pyrene	1.5	3.88	38.7	34	88	mg/kg-oc	1.1	0.4	no data
MH229A	NC	2/16/2005	Lead	155	3.88		450	530	mg/kg-dw	0.3	0.3	no data
MH229A	NC	2/16/2005	Mercury	0.07	3.88		0.41	0.59	mg/kg-dw	0.2	0.1	no data
MH229A	NC	2/16/2005	Phenanthrene	8.9	3.88	229.4	100	480	mg/kg-oc	2.3	0.5	no data
MH229A	NC	2/16/2005	Pyrene	7.6	3.88	195.9	100	1400	mg/kg-oc	0.2	0.1	no data
MH229A	NC	2/16/2005	Zinc	1130	3.88		410	960	mg/kg-dw	2.8	1.2	no data
MH229A	NC	8/11/2005	Anthracene	0.18	5.35	3.4	220	1200	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	8/11/2005	Aroclor 1254	0.29	5.35	5.4	12	65	mg/kg-oc	0.5	0.1	Document 3400
MH229A	NC	8/11/2005	Aroclor 1260	0.16	5.35	3.0	12	65	mg/kg-oc	0.2	0.0	Document 3400
MH229A	NC	8/11/2005	Arsenic	16			57	93	mg/kg-dw	0.3	0.2	Document 3400
MH229A	NC	8/11/2005	Benzo(a)anthracene	0.86	5.35	16.1	110	270	mg/kg-oc	0.1	0.1	Document 3400
MH229A	NC	8/11/2005	Benzo(a)pyrene	1.4	5.35	26.2	99	210	mg/kg-oc	0.3	0.1	Document 3400
MH229A	NC	8/11/2005	Benzo(b)fluoranthene	2.1	5.35	39.3	230	450	mg/kg-oc	0.2	0.1	Document 3400
MH229A	NC	8/11/2005	Benzo(g,h,i)perylene	0.71	5.35	13.3	31	78	mg/kg-oc	0.4	0.2	Document 3400
MH229A	NC	8/11/2005	Benzo(k)fluoranthene	1.3	5.35	24.3	230	450	mg/kg-oc	0.1	0.1	Document 3400



**Table G-1  
North Boeig Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH229A	NC	8/11/2005	bis(2-Ethylhexyl)phthalate	2.6	5.35	48.6	47	78	mg/kg-oc	1.0	0.6	Document 3400
MH229A	NC	8/11/2005	Carbazole	0.37			NA	NA				Document 3400
MH229A	NC	8/11/2005	Chrysene	1.7	5.35	31.8	110	460	mg/kg-oc	0.3	0.1	Document 3400
MH229A	NC	8/11/2005	Copper	94.3			390	390	mg/kg-dw	0.2	0.2	Document 3400
MH229A	NC	8/11/2005	Diesel Range Hydrocarbons	100			NA	NA				Document 3400
MH229A	NC	8/11/2005	Di-n-butylphthalate	0.35	5.35	6.5	220	1700	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	8/11/2005	Di-n-octyl phthalate	4.3	5.35	80.4	58	4500	mg/kg-oc	1.4	0.0	Document 3400
MH229A	NC	8/11/2005	Fluoranthene	3.1	5.35	57.9	160	1200	mg/kg-oc	0.4	0.0	Document 3400
MH229A	NC	8/11/2005	Heavy Oil Range Hydrocarbons	410			NA	NA				Document 3400
MH229A	NC	8/11/2005	Indeno(1,2,3-cd)pyrene	0.78	5.35	14.6	34	88	mg/kg-oc	0.4	0.2	Document 3400
MH229A	NC	8/11/2005	Lead	144			450	530	mg/kg-dw	0.3	0.3	Document 3400
MH229A	NC	8/11/2005	Mercury	0.19			0.41	0.59	mg/kg-dw	0.5	0.3	Document 3400
MH229A	NC	8/11/2005	PCBs, total	0.45	5.35	8.4	12	65	mg/kg-oc	0.7	0.1	Document 3400
MH229A	NC	8/11/2005	Phenanthrene	1.7	5.35	31.8	100	480	mg/kg-oc	0.3	0.1	Document 3400
MH229A	NC	8/11/2005	Pyrene	2.1	5.35	39.3	1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	8/11/2005	Zinc	460			410	960	mg/kg-dw	1.1	0.5	Document 3400
MH229A	NC	3/16/2006	Aroclor 1254	0.039			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/16/2006	Aroclor 1260	0.075			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/16/2006	Arsenic	13			57	93	mg/kg-dw	0.2	0.1	Document 3400
MH229A	NC	3/16/2006	Benzo(a)anthracene	1			110	270	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/16/2006	Benzo(a)pyrene	1.6			99	210	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/16/2006	Benzo(b)fluoranthene	2.5			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/16/2006	Benzo(g,h,i)perylene	0.9			31	78	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/16/2006	Benzo(k)fluoranthene	1.9			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/16/2006	bis(2-Ethylhexyl)phthalate	2.6			47	78	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/16/2006	Chrysene	2.5			110	460	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/16/2006	Copper	75.2			390	390	mg/kg-dw	0.2	0.2	Document 3400
MH229A	NC	3/16/2006	Diesel Range Hydrocarbons	180			NA	NA				Document 3400
MH229A	NC	3/16/2006	Di-n-octyl phthalate	9.6			58	4500	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/16/2006	Fluoranthene	4.2			160	1200	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/16/2006	Heavy Oil Range Hydrocarbons	1100			NA	NA				Document 3400
MH229A	NC	3/16/2006	Indeno(1,2,3-cd)pyrene	0.96			34	88	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/16/2006	Lead	116			450	530	mg/kg-dw	0.3	0.2	Document 3400
MH229A	NC	3/16/2006	Mercury	0.1			0.41	0.59	mg/kg-dw	0.2	0.2	Document 3400
MH229A	NC	3/16/2006	PCBs, total	0.114			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/16/2006	Phenanthrene	1.6			100	480	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/16/2006	Pyrene	2.4			1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/16/2006	Zinc	337			410	960	mg/kg-dw	0.8	0.4	Document 3400
MH229A	NC	10/11/2006	Aroclor 1254	0.083			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	10/11/2006	Aroclor 1260	0.16			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	10/11/2006	Arsenic	20			57	93	mg/kg-dw	0.4	0.2	Document 3400
MH229A	NC	10/11/2006	Copper	262			390	390	mg/kg-dw	0.7	0.7	Document 3400
MH229A	NC	10/11/2006	Lead	414			450	530	mg/kg-dw	0.9	0.8	Document 3400
MH229A	NC	10/11/2006	Mercury	0.3			0.41	0.59	mg/kg-dw	0.7	0.5	Document 3400
MH229A	NC	10/11/2006	PCBs, total	0.243			12	65	mg/kg-oc	0.0	0.0	Document 3400

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH229A	NC	10/11/2006	Zinc	1220			410	960	mg/kg-dw	3.0	1.3	Document 3400
MH229A	NC	1/8/2007	Anthracene	0.21	4.06	5.2	220	1200	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	1/8/2007	Aroclor 1254	0.041	4.06	1.0	12	65	mg/kg-oc	0.1	0.0	Document 3400
MH229A	NC	1/8/2007	Aroclor 1260	0.062	4.06	1.5	12	65	mg/kg-oc	0.1	0.0	Document 3400
MH229A	NC	1/8/2007	Arsenic	12			57	93	mg/kg-dw	0.2	0.1	Document 3400
MH229A	NC	1/8/2007	Benzo(a)anthracene	0.92	4.06	22.7	110	270	mg/kg-oc	0.2	0.1	Document 3400
MH229A	NC	1/8/2007	Benzo(a)pyrene	1.5	4.06	36.9	99	210	mg/kg-oc	0.4	0.2	Document 3400
MH229A	NC	1/8/2007	Benzo(b)fluoranthene	2.3	4.06	56.7	230	450	mg/kg-oc	0.2	0.1	Document 3400
MH229A	NC	1/8/2007	Benzo(g,h,i)perylene	0.69	4.06	17.0	31	78	mg/kg-oc	0.5	0.2	Document 3400
MH229A	NC	1/8/2007	Benzo(k)fluoranthene	2.5	4.06	61.6	230	450	mg/kg-oc	0.3	0.1	Document 3400
MH229A	NC	1/8/2007	bis(2-Ethylhexyl)phthalate	3.7	4.06	91.1	47	78	mg/kg-oc	1.9	1.2	Document 3400
MH229A	NC	1/8/2007	Butylbenzylphthalate	0.22	4.06	5.4	4.9	64	mg/kg-oc	1.1	0.1	Document 3400
MH229A	NC	1/8/2007	Chrysene	2	4.06	49.3	110	460	mg/kg-oc	0.4	0.1	Document 3400
MH229A	NC	1/8/2007	Copper	76			390	390	mg/kg-dw	0.2	0.2	Document 3400
MH229A	NC	1/8/2007	Diesel Range Hydrocarbons	140			NA	NA				Document 3400
MH229A	NC	1/8/2007	Di-n-butylphthalate	0.24	4.06	5.9	220	1700	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	1/8/2007	Di-n-octyl phthalate	7.2	4.06	177.3	58	4500	mg/kg-oc	3.1	0.0	Document 3400
MH229A	NC	1/8/2007	Fluoranthene	3.2	4.06	78.8	160	1200	mg/kg-oc	0.5	0.1	Document 3400
MH229A	NC	1/8/2007	Heavy Oil Range Hydrocarbons	600			NA	NA				Document 3400
MH229A	NC	1/8/2007	Indeno(1,2,3-cd)pyrene	0.67	4.06	16.5	34	88	mg/kg-oc	0.5	0.2	Document 3400
MH229A	NC	1/8/2007	Lead	121			450	530	mg/kg-dw	0.3	0.2	Document 3400
MH229A	NC	1/8/2007	Mercury	0.09			0.41	0.59	mg/kg-dw	0.2	0.2	Document 3400
MH229A	NC	1/8/2007	PCBs, total	0.103	4.06	2.5	12	65	mg/kg-oc	0.2	0.0	Document 3400
MH229A	NC	1/8/2007	Phenanthrene	1.4	4.06	34.5	100	480	mg/kg-oc	0.3	0.1	Document 3400
MH229A	NC	1/8/2007	Pyrene	2.3	4.06	56.7	1000	1400	mg/kg-oc	0.1	0.0	Document 3400
MH229A	NC	1/8/2007	Zinc	433			410	960	mg/kg-dw	1.1	0.5	Document 3400
MH229A	NC	10/29/2007	Aroclor 1248	0.022			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	10/29/2007	Aroclor 1254	0.049			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	10/29/2007	Aroclor 1260	0.028			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	10/29/2007	Arsenic	6			57	93	mg/kg-dw	0.1	0.1	Document 3400
MH229A	NC	10/29/2007	Copper	61			390	390	mg/kg-dw	0.2	0.2	Document 3400
MH229A	NC	10/29/2007	Lead	77			450	530	mg/kg-dw	0.2	0.1	Document 3400
MH229A	NC	10/29/2007	Mercury	0.07			0.41	0.59	mg/kg-dw	0.2	0.1	Document 3400
MH229A	NC	10/29/2007	PCBs, total	0.099			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	10/29/2007	Zinc	309			410	960	mg/kg-dw	0.8	0.3	Document 3400
MH229A	NC	3/18/2008	Anthracene	0.12			220	1200	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/18/2008	Aroclor 1254	0.16			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/18/2008	Aroclor 1260	0.26			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/18/2008	Benzo(a)anthracene	0.46			110	270	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/18/2008	Benzo(a)pyrene	0.73			99	210	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/18/2008	Benzo(b)fluoranthene	1.2			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/18/2008	Benzo(g,h,i)perylene	0.59			31	78	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/18/2008	Benzo(k)fluoranthene	1			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/18/2008	bis(2-Ethylhexyl)phthalate	1.4			47	78	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/18/2008	Butylbenzylphthalate	0.076			4.9	64	mg/kg-oc	0.0	0.0	Document 3400

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH229A	NC	3/18/2008	Chrysene	1.1			110	460	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/18/2008	Dibenz(a,h)anthracene	0.22			12	33	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/18/2008	Di-n-butylphthalate	0.13			220	1700	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/18/2008	Di-n-octyl phthalate	2.6			58	4500	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/18/2008	Fluoranthene	1.8			160	1200	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/18/2008	Indeno(1,2,3-cd)pyrene	0.56			34	88	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/18/2008	PCBs, total	0.042			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/18/2008	Phenanthrene	0.8			100	480	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	3/18/2008	Pyrene	1.2			1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	7/30/2008	Aroclor 1254	0.028			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	7/30/2008	Aroclor 1260	0.03			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	7/30/2008	Benzo(a)anthracene	0.63			110	270	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	7/30/2008	Benzo(a)pyrene	1.2			99	210	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	7/30/2008	Benzo(b)fluoranthene	2			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	7/30/2008	Benzo(g,h,i)perylene	1.2			31	78	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	7/30/2008	Benzo(k)fluoranthene	1.4			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	7/30/2008	bis(2-Ethylhexyl)phthalate	1.7			47	78	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	7/30/2008	Chrysene	1.6			110	460	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	7/30/2008	Di-n-octyl phthalate	5.9			58	4500	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	7/30/2008	Fluoranthene	2.5			160	1200	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	7/30/2008	Indeno(1,2,3-cd)pyrene	1.2			34	88	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	7/30/2008	PCBs, total	0.058			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	7/30/2008	Phenanthrene	1			100	480	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	7/30/2008	Pyrene	2			1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH229A	NC	9/22/2008	Aroclor 1254	0.036			12	65	mg/kg-oc	0.0	0.0	Document 2109
MH229A	NC	9/22/2008	Aroclor 1260	0.038			12	65	mg/kg-oc	0.0	0.0	Document 2109
MH229A	NC	9/22/2008	PCB, total	0.074			12	65	mg/kg-oc	0.0	0.0	Document 2109
MH231		7/15/1992	Aroclor 1016/1242	0.68			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH231		7/15/1992	Aroclor 1254	4			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH231		7/15/1992	PCB, total	4.68			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH247	NC	7/15/1992	Aroclor 1254	220			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH247	NC	7/15/1992	Aroclor 1260	67			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH247	NC	7/15/1992	PCB, total	287			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH247	NC	8/18/1992	Aroclor 1254	930 J			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH247	NC	8/18/1992	Aroclor 1254	260			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH247	NC	8/18/1992	Aroclor 1260	310 J			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH247	NC	8/18/1992	Aroclor 1260	68			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH247	NC	8/18/1992	PCB, total	328			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH247	NC	8/18/1992	PCB, total	1240			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH247	NC	3/14/2007	Aroclor 1254	20			12	65	mg/kg-oc	0.0	0.0	no data
MH247	NC	3/14/2007	Aroclor 1260	14			12	65	mg/kg-oc	0.0	0.0	no data
MH247	NC	3/14/2007	PCB, total	34			12	65	mg/kg-oc	0.0	0.0	no data
MH248		8/14/1998	Aroclor 1254	19			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH248		8/14/1998	Aroclor 1260	4.2			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH248		8/14/1998	PCB, total	23.2			12	65	mg/kg-oc	0.0	0.0	PCB Report

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH248		6/4/2000	Aroclor 1254	10.8581			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH248		6/4/2000	Aroclor 1260	6.6208			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH248		6/4/2000	PCB, total	17.479			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH249	NC	8/18/1992	Aroclor 1254	35			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH249	NC	8/18/1992	Aroclor 1260	14			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH249	NC	8/18/1992	PCB, total	49			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH249	NC	9/24/1997	Aroclor 1254	98			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH249	NC	9/24/1997	PCB, total	98			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH249	NC	8/14/1998	Aroclor 1254	67			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH249	NC	8/14/1998	Aroclor 1260	13			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH249	NC	8/14/1998	PCB, total	80			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH249	NC	6/4/2000	Aroclor 1254	66.667			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH249	NC	6/4/2000	Aroclor 1260	24.113			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH249	NC	6/4/2000	PCB, total	90.78			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH249	NC	5/13/2005	Aroclor 1254	7.5			12	65	mg/kg-oc	0.0	0.0	no data
MH249	NC	5/13/2005	Aroclor 1260	4.1			12	65	mg/kg-oc	0.0	0.0	no data
MH249	NC	5/13/2005	PCB, total	11.6			12	65	mg/kg-oc	0.0	0.0	no data
MH249	NC	7/26/2006	Aroclor 1254	8			12	65	mg/kg-oc	0.0	0.0	no data
MH249	NC	7/26/2006	Aroclor 1260	3.2			12	65	mg/kg-oc	0.0	0.0	no data
MH249	NC	7/26/2006	PCB, total	11.2			12	65	mg/kg-oc	0.0	0.0	no data
MH249	NC	3/14/2007	Aroclor 1254	2.4			12	65	mg/kg-oc	0.0	0.0	no data
MH249	NC	3/14/2007	Aroclor 1260	1.6			12	65	mg/kg-oc	0.0	0.0	no data
MH249	NC	3/14/2007	PCB, total	4			12	65	mg/kg-oc	0.0	0.0	no data
MH263		8/17/1998	Aroclor 1254	0.36			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH263		8/17/1998	Aroclor 1260	0.059			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH263		8/17/1998	PCB, total	0.419			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH263		8/10/2000	Aroclor 1254	0.21			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH263		8/10/2000	Aroclor 1260	0.24			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH263		8/10/2000	PCB, total	0.45			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH266B		6/3/2000	Aroclor 1254	0.756			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH266B		6/3/2000	Aroclor 1260	0.385			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH266B		6/3/2000	PCB, total	1.141			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH271B		5/21/2000	Aroclor 1254	0.1339			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH271B		5/21/2000	PCB, total	0.134			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH281		7/15/1992	Aroclor 1254	0.094			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH281		7/15/1992	PCB, total	0.094			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH310F		4/12/2000	Aroclor 1254	1.078			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH310F		4/12/2000	Aroclor 1260	1.94			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH310F		4/12/2000	PCB, total	3.018			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH311		8/17/1998	Aroclor 1254	0.057			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH311		8/17/1998	Aroclor 1260	0.052			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH311		8/17/1998	PCB, total	0.109			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH34		7/16/1992	Aroclor 1254	3.5			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH34		7/16/1992	Aroclor 1254	4.8			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH34		7/16/1992	PCB, total	3.5			12	65	mg/kg-oc	0.0	0.0	PCB Report

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH34		7/16/1992	PCB, total	4.8			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH356	S	7/15/1992	Aroclor 1254	0.17			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH356	S	7/15/1992	Aroclor 1260	0.14			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH356	S	7/15/1992	PCB, total	0.31			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH356	S	8/11/2005	Aroclor 1254	0.5	P		12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	8/11/2005	Aroclor 1260	0.34			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	8/11/2005	PCBs, total	0.84			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/16/2006	Anthracene	1.7			220	1200	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/16/2006	Aroclor 1254	0.89			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/16/2006	Aroclor 1260	0.57			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/16/2006	Benzo(a)anthracene	11			110	270	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/16/2006	Benzo(a)pyrene	15			99	210	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/16/2006	Benzo(b)fluoranthene	26			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/16/2006	Benzo(g,h,i)perylene	9			31	78	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/16/2006	Benzo(k)fluoranthene	17			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/16/2006	bis(2-Ethylhexyl)phthalate	34			47	78	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/16/2006	Butylbenzylphthalate	1.6			4.9	64	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/16/2006	Carbazole	3.6			NA	NA				Document 3400
MH356	S	3/16/2006	Chrysene	23			110	460	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/16/2006	Dibenz(a,h)anthracene	2.1			12	33	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/16/2006	Di-n-octyl phthalate	9.8			58	4500	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/16/2006	Fluoranthene	45			160	1200	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/16/2006	Indeno(1,2,3-cd)pyrene	9.2			34	88	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/16/2006	PCBs, total	1.46			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/16/2006	Phenanthrene	15			100	480	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/16/2006	Pyrene	23			1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	10/11/2006	Aroclor 1254	0.76			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	10/11/2006	Aroclor 1260	0.47			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	10/11/2006	Copper	276			390	390	mg/kg-dw	0.7	0.7	Document 3400
MH356	S	10/11/2006	Lead	300			450	530	mg/kg-dw	0.7	0.6	Document 3400
MH356	S	10/11/2006	Mercury	0.6			0.41	0.59	mg/kg-dw	1.5	1.0	Document 3400
MH356	S	10/11/2006	PCBs, total	1.23			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	10/11/2006	Zinc	1560			410	960	mg/kg-dw	3.8	1.6	Document 3400
MH356	S	1/8/2007	Aroclor 1254	0.18			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	1/8/2007	Aroclor 1260	0.13			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	1/8/2007	PCBs, total	0.31			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	5/14/2007	Aroclor 1254	0.07			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	5/14/2007	Aroclor 1260	0.058			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	5/14/2007	PCBs, total	0.128			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	10/29/2007	Aroclor 1254	0.09			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	10/29/2007	Aroclor 1260	0.043			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	10/29/2007	Copper	40.9			390	390	mg/kg-dw	0.1	0.1	Document 3400
MH356	S	10/29/2007	Lead	43			450	530	mg/kg-dw	0.1	0.1	Document 3400
MH356	S	10/29/2007	Mercury	0.08			0.41	0.59	mg/kg-dw	0.2	0.1	Document 3400
MH356	S	10/29/2007	PCBs, total	133			12	65	mg/kg-oc	0.0	0.0	Document 3400

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH356	S	10/29/2007	Zinc	222			410	960	mg/kg-dw	0.5	0.2	Document 3400
MH356	S	3/18/2008	Aroclor 1254	0.047			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/18/2008	Aroclor 1260	0.038			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	3/18/2008	PCBs, total	0.085			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	7/30/2008	Aroclor 1254	0.024			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	7/30/2008	PCBs, total	0.024			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH356	S	12/3/2008	Aroclor 1254	0.01			12	65	mg/kg-oc	0.0	0.0	Document 3260
MH356	S	12/3/2008	Benzo(a)anthracene	0.33			110	270	mg/kg-oc	0.0	0.0	Document 3260
MH356	S	12/3/2008	Benzo(a)pyrene	0.52			99	210	mg/kg-oc	0.0	0.0	Document 3260
MH356	S	12/3/2008	Benzo(b)fluoranthene	0.82			230	450	mg/kg-oc	0.0	0.0	Document 3260
MH356	S	12/3/2008	Benzo(g,h,i)perylene	0.6			31	78	mg/kg-oc	0.0	0.0	Document 3260
MH356	S	12/3/2008	Benzo(k)fluoranthene	0.86			230	450	mg/kg-oc	0.0	0.0	Document 3260
MH356	S	12/3/2008	bis(2-Ethylhexyl)phthalate	1.5			47	78	mg/kg-oc	0.0	0.0	Document 3260
MH356	S	12/3/2008	Carbazole	0.1			NA	NA				Document 3260
MH356	S	12/3/2008	Chrysene	0.85			110	460	mg/kg-oc	0.0	0.0	Document 3260
MH356	S	12/3/2008	Di-n-octyl phthalate	0.28			58	4500	mg/kg-oc	0.0	0.0	Document 3260
MH356	S	12/3/2008	Fluoranthene	1.1			160	1200	mg/kg-oc	0.0	0.0	Document 3260
MH356	S	12/3/2008	Indeno(1,2,3-cd)pyrene	0.53			34	88	mg/kg-oc	0.0	0.0	Document 3260
MH356	S	12/3/2008	PCBs, total	0.01			12	65	mg/kg-oc	0.0	0.0	Document 3260
MH356	S	12/3/2008	Phenanthrene	0.39			100	480	mg/kg-oc	0.0	0.0	Document 3260
MH356	S	12/3/2008	Pyrene	0.81			1000	1400	mg/kg-oc	0.0	0.0	Document 3260
MH361	NC	8/12/1998	Aroclor 1254	1.6			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH361	NC	8/12/1998	Aroclor 1260	0.61			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH361	NC	8/12/1998	PCB, total	2.21			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH363	N	8/11/1998	Aroclor 1254	3			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH363	N	8/11/1998	Aroclor 1260	0.26			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH363	N	8/11/1998	PCB, total	3.26			12	65	mg/kg-oc	0.0	0.0	PCB Report
MH363	N	2/16/2005	Aroclor 1254	7	0.761	919.8	12	65	mg/kg-oc	76.7	14.2	no data
MH363	N	2/16/2005	Arsenic	8	0.761		57	93	mg/kg-dw	0.1	0.1	no data
MH363	N	2/16/2005	Benzo(a)anthracene	0.28	0.761	36.8	110	270	mg/kg-oc	0.3	0.1	no data
MH363	N	2/16/2005	Benzo(a)pyrene	0.3	0.761	39.4	99	210	mg/kg-oc	0.4	0.2	no data
MH363	N	2/16/2005	Benzo(b)fluoranthene	0.45	0.761	59.1	230	450	mg/kg-oc	0.3	0.1	no data
MH363	N	2/16/2005	Benzo(g,h,i)perylene	0.17	0.761	22.3	31	78	mg/kg-oc	0.7	0.3	no data
MH363	N	2/16/2005	Benzo(k)fluoranthene	0.31	0.761	40.7	230	450	mg/kg-oc	0.2	0.1	no data
MH363	N	2/16/2005	bis(2-Ethylhexyl)phthalate	0.5	0.761	65.7	47	78	mg/kg-oc	1.4	0.8	no data
MH363	N	2/16/2005	Carbazole	0.068	0.761		NA	NA				no data
MH363	N	2/16/2005	Chrysene	0.4	0.761	52.6	110	460	mg/kg-oc	0.5	0.1	no data
MH363	N	2/16/2005	Copper	45.1	0.761		390	390	mg/kg-dw	0.1	0.1	no data
MH363	N	2/16/2005	Diesel Range Hydrocarbons	47	0.761		NA	NA				no data
MH363	N	2/16/2005	Di-n-octyl phthalate	0.069	0.761	9.1	58	4500	mg/kg-oc	0.2	0.0	no data
MH363	N	2/16/2005	Fluoranthene	0.75	0.761	98.6	160	1200	mg/kg-oc	0.6	0.1	no data
MH363	N	2/16/2005	Heavy Oil Range Hydrocarbons	190	0.761		NA	NA				no data
MH363	N	2/16/2005	Indeno(1,2,3-cd)pyrene	0.18	0.761	23.7	34	88	mg/kg-oc	0.7	0.3	no data
MH363	N	2/16/2005	Lead	110	0.761		450	530	mg/kg-dw	0.2	0.2	no data
MH363	N	2/16/2005	Mercury	0.7	0.761		0.41	0.59	mg/kg-dw	1.7	1.2	no data

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH363	N	2/16/2005	Phenanthrene	0.26	0.761	34.2	100	480	mg/kg-oc	0.3	0.1	no data
MH363	N	2/16/2005	Pyrene	0.66	0.761	86.7	1000	1400	mg/kg-oc	0.1	0.1	no data
MH363	N	2/16/2005	Zinc	272	0.761		410	960	mg/kg-dw	0.7	0.3	no data
MH363	N	8/11/2005	4-Methylphenol	0.36			670	670	ug/kg-dw	0.5	0.5	Document 3400
MH363	N	8/11/2005	Anthracene	0.21			220	1200	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	8/11/2005	Aroclor 1254	24			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	8/11/2005	Aroclor 1260	2.4			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	8/11/2005	Arsenic	21			57	93	mg/kg-dw	0.4	0.2	Document 3400
MH363	N	8/11/2005	Benzo(a)anthracene	0.94			110	270	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	8/11/2005	Benzo(a)pyrene	1.2			99	210	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	8/11/2005	Benzo(b)fluoranthene	1.7			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	8/11/2005	Benzo(g,h,i)perylene	0.6			31	78	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	8/11/2005	Benzo(k)fluoranthene	0.97			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	8/11/2005	bis(2-Ethylhexyl)phthalate	2.7			47	78	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	8/11/2005	Butylbenzylphthalate	0.14			4.9	64	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	8/11/2005	Carbazole	0.31			NA	NA				Document 3400
MH363	N	8/11/2005	Chrysene	1.4			110	460	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	8/11/2005	Copper	148			390	390	mg/kg-dw	0.4	0.4	Document 3400
MH363	N	8/11/2005	Diesel Range Hydrocarbons	390			NA	NA				Document 3400
MH363	N	8/11/2005	Di-n-octyl phthalate	1.2			58	4500	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	8/11/2005	Fluoranthene	2.9			160	1200	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	8/11/2005	Heavy Oil Range Hydrocarbons	1400			NA	NA				Document 3400
MH363	N	8/11/2005	Indeno(1,2,3-cd)pyrene	0.68			34	88	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	8/11/2005	Lead	109			450	530	mg/kg-dw	0.2	0.2	Document 3400
MH363	N	8/11/2005	Mercury	1.12			0.41	0.59	mg/kg-dw	2.7	1.9	Document 3400
MH363	N	8/11/2005	PCBs, total	24			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	8/11/2005	Phenanthrene	1.6			100	480	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	8/11/2005	Pyrene	2			1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	8/11/2005	Zinc	553			410	960	mg/kg-dw	1.3	0.6	Document 3400
MH363	N	3/16/2006	Aroclor 1248	48	7.59	632.4	12	65	mg/kg-oc	52.7	9.7	Document 3400
MH363	N	3/16/2006	Aroclor 1254	54	7.59	711.5	12	65	mg/kg-oc	59.3	10.9	Document 3400
MH363	N	3/16/2006	Aroclor 1260	12	7.59	158.1	12	65	mg/kg-oc	13.2	2.4	Document 3400
MH363	N	3/16/2006	Benzo(a)anthracene	2.5	7.59	32.9	110	270	mg/kg-oc	0.3	0.1	Document 3400
MH363	N	3/16/2006	Benzo(a)pyrene	3	7.59	39.5	99	210	mg/kg-oc	0.4	0.2	Document 3400
MH363	N	3/16/2006	Benzo(b)fluoranthene	4.5	7.59	59.3	230	450	mg/kg-oc	0.3	0.1	Document 3400
MH363	N	3/16/2006	Benzo(g,h,i)perylene	1.5	7.59	19.8	31	78	mg/kg-oc	0.6	0.3	Document 3400
MH363	N	3/16/2006	Benzo(k)fluoranthene	2.9	7.59	38.2	230	450	mg/kg-oc	0.2	0.1	Document 3400
MH363	N	3/16/2006	bis(2-Ethylhexyl)phthalate	8.3	7.59	109.4	47	78	mg/kg-oc	2.3	1.4	Document 3400
MH363	N	3/16/2006	Chrysene	4.3	7.59	56.7	110	460	mg/kg-oc	0.5	0.1	Document 3400
MH363	N	3/16/2006	Copper	297			390	390	mg/kg-dw	0.8	0.8	Document 3400
MH363	N	3/16/2006	Diesel Range Hydrocarbons	1200			NA	NA		#VALUE!	#VALUE!	Document 3400
MH363	N	3/16/2006	Di-n-octyl phthalate	5.5	7.59	72.5	58	4500	mg/kg-oc	1.2	0.0	Document 3400
MH363	N	3/16/2006	Fluoranthene	9.7	7.59	127.8	160	1200	mg/kg-oc	0.8	0.1	Document 3400
MH363	N	3/16/2006	Heavy Oil Range Hydrocarbons	4800			NA	NA		#VALUE!	#VALUE!	Document 3400
MH363	N	3/16/2006	Indeno(1,2,3-cd)pyrene	1.6	7.59	21.1	34	88	mg/kg-oc	0.6	0.2	Document 3400



**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH363	N	3/16/2006	Lead	184			450	530	mg/kg-dw	0.4	0.3	Document 3400
MH363	N	3/16/2006	Mercury	2.02			0.41	0.59	mg/kg-dw	4.9	3.4	Document 3400
MH363	N	3/16/2006	PCBs, total	114	7.59	1502.0	12	65	mg/kg-oc	125.2	23.1	Document 3400
MH363	N	3/16/2006	Phenanthrene	3.7	7.59	48.7	100	480	mg/kg-oc	0.5	0.1	Document 3400
MH363	N	3/16/2006	Pyrene	5.1	7.59	67.2	1000	1400	mg/kg-oc	0.1	0.0	Document 3400
MH363	N	3/16/2006	Zinc	717			410	960	mg/kg-dw	1.7	0.7	Document 3400
MH363	N	10/11/2006	4-Methylphenol	0.59			670	670	ug/kg-dw	0.9	0.9	Document 3400
MH363	N	10/11/2006	Aroclor 1254	800	11.0	7272.7	12	65	mg/kg-oc	606.1	111.9	Document 3400
MH363	N	10/11/2006	Benzo(a)anthracene	1.3	11.0	11.8	110	270	mg/kg-oc	0.1	0.0	Document 3400
MH363	N	10/11/2006	Benzo(a)pyrene	2.3	11.0	20.9	99	210	mg/kg-oc	0.2	0.1	Document 3400
MH363	N	10/11/2006	Benzo(b)fluoranthene	3.1	11.0	28.2	230	450	mg/kg-oc	0.1	0.1	Document 3400
MH363	N	10/11/2006	Benzo(g,h,i)perylene	1.5	11.0	13.6	31	78	mg/kg-oc	0.4	0.2	Document 3400
MH363	N	10/11/2006	Benzo(k)fluoranthene	3	11.0	27.3	230	450	mg/kg-oc	0.1	0.1	Document 3400
MH363	N	10/11/2006	bis(2-Ethylhexyl)phthalate	19	11.0	172.7	47	78	mg/kg-oc	3.7	2.2	Document 3400
MH363	N	10/11/2006	Butylbenzylphthalate	0.44	11.0	4.0	4.9	64	mg/kg-oc	0.8	0.1	Document 3400
MH363	N	10/11/2006	Chrysene	3.7	11.0	33.6	110	460	mg/kg-oc	0.3	0.1	Document 3400
MH363	N	10/11/2006	Copper	640			390	390	mg/kg-dw	1.6	1.6	Document 3400
MH363	N	10/11/2006	Dibenz(a,h)anthracene	0.48	11.0	4.4	12	33	mg/kg-oc	0.4	0.1	Document 3400
MH363	N	10/11/2006	Diesel Range Hydrocarbons	1200			NA	NA		#VALUE!	#VALUE!	Document 3400
MH363	N	10/11/2006	Di-n-butylphthalate	0.36	11.0	3.3	220	1700	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	10/11/2006	Di-n-octyl phthalate	7.2	11.0	65.5	58	4500	mg/kg-oc	1.1	0.0	Document 3400
MH363	N	10/11/2006	Fluoranthene	6.5	11.0	59.1	160	1200	mg/kg-oc	0.4	0.0	Document 3400
MH363	N	10/11/2006	Heavy Oil Range Hydrocarbons	5900			NA	NA		#VALUE!	#VALUE!	Document 3400
MH363	N	10/11/2006	Indeno(1,2,3-cd)pyrene	1.4	11.0	12.7	34	88	mg/kg-oc	0.4	0.1	Document 3400
MH363	N	10/11/2006	Lead	310			450	530	mg/kg-dw	0.7	0.6	Document 3400
MH363	N	10/11/2006	Mercury	2.9			0.41	0.59	mg/kg-dw	7.1	4.9	Document 3400
MH363	N	10/11/2006	PCBs, total	800	11.0	7272.7	12	65	mg/kg-oc	606.1	111.9	Document 3400
MH363	N	10/11/2006	Phenanthrene	2.4	11.0	21.8	100	480	mg/kg-oc	0.2	0.0	Document 3400
MH363	N	10/11/2006	Phenol	0.3			420	1200	ug/kg-dw	0.7	0.3	Document 3400
MH363	N	10/11/2006	Pyrene	4.1	11.0	37.3	1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	10/11/2006	Zinc	1370			410	960	mg/kg-dw	3.3	1.4	Document 3400
MH363	N	1/8/2007	4-Methylphenol	4.6			670	670	ug/kg-dw	6.9	6.9	Document 3400
MH363	N	1/8/2007	Anthracene	0.27	4.76	5.7	220	1200	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	1/8/2007	Aroclor 1254	200	4.76	4201.7	12	65	mg/kg-oc	350.1	64.6	Document 3400
MH363	N	1/8/2007	Arsenic	10			57	93	mg/kg-dw	0.2	0.1	Document 3400
MH363	N	1/8/2007	Benzo(a)anthracene	1.4	4.76	29.4	110	270	mg/kg-oc	0.3	0.1	Document 3400
MH363	N	1/8/2007	Benzo(a)pyrene	2.2	4.76	46.2	99	210	mg/kg-oc	0.5	0.2	Document 3400
MH363	N	1/8/2007	Benzo(b)fluoranthene	3	4.76	63.0	230	450	mg/kg-oc	0.3	0.1	Document 3400
MH363	N	1/8/2007	Benzo(g,h,i)perylene	0.87	4.76	18.3	31	78	mg/kg-oc	0.6	0.2	Document 3400
MH363	N	1/8/2007	Benzo(k)fluoranthene	2.9	4.76	60.9	230	450	mg/kg-oc	0.3	0.1	Document 3400
MH363	N	1/8/2007	bis(2-Ethylhexyl)phthalate	7.3	4.76	153.4	47	78	mg/kg-oc	3.3	2.0	Document 3400
MH363	N	1/8/2007	Butylbenzylphthalate	0.23	4.76	4.8	4.9	64	mg/kg-oc	1.0	0.1	Document 3400
MH363	N	1/8/2007	Chrysene	2.7	4.76	56.7	110	460	mg/kg-oc	0.5	0.1	Document 3400
MH363	N	1/8/2007	Copper	140			390	390	mg/kg-dw	0.4	0.4	Document 3400
MH363	N	1/8/2007	Diesel Range Hydrocarbons	840			NA	NA				Document 3400

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH363	N	1/8/2007	Di-n-octyl phthalate	2.3	4.76	48.3	58	4500	mg/kg-oc	0.8	0.0	Document 3400
MH363	N	1/8/2007	Fluoranthene	3.7	4.76	77.7	160	1200	mg/kg-oc	0.5	0.1	Document 3400
MH363	N	1/8/2007	Heavy Oil Range Hydrocarbons	3100			NA	NA				Document 3400
MH363	N	1/8/2007	Indeno(1,2,3-cd)pyrene	0.84	4.76	17.6	34	88	mg/kg-oc	0.5	0.2	Document 3400
MH363	N	1/8/2007	Lead	102			450	530	mg/kg-dw	0.2	0.2	Document 3400
MH363	N	1/8/2007	Mercury	5.11			0.41	0.59	mg/kg-dw	12.5	8.7	Document 3400
MH363	N	1/8/2007	PCBs, total	500	4.76	10504.2	12	65	mg/kg-oc	875.4	161.6	Document 3400
MH363	N	1/8/2007	Phenanthrene	1.8	4.76	37.8	100	480	mg/kg-oc	0.4	0.1	Document 3400
MH363	N	1/8/2007	Phenol	0.33			420	1200	ug/kg-dw	0.8	0.3	Document 3400
MH363	N	1/8/2007	Pyrene	3.4	4.76	71.4	1000	1400	mg/kg-oc	0.1	0.1	Document 3400
MH363	N	1/8/2007	Zinc	428			410	960	mg/kg-dw	1.0	0.4	Document 3400
MH363	N	5/14/2007	4-Methylphenol	8.1			670	670	ug/kg-dw	12.1	12.1	Document 3400
MH363	N	5/14/2007	Aroclor 1248	90	8.76	1027.4	12	65	mg/kg-oc	85.6	15.8	Document 3400
MH363	N	5/14/2007	Aroclor 1254	93	8.76	1061.6	12	65	mg/kg-oc	88.5	16.3	Document 3400
MH363	N	5/14/2007	Benzo(a)anthracene	1.1	8.76	12.6	110	270	mg/kg-oc	0.1	0.0	Document 3400
MH363	N	5/14/2007	Benzo(a)pyrene	1.7	8.76	19.4	99	210	mg/kg-oc	0.2	0.1	Document 3400
MH363	N	5/14/2007	Benzo(b)fluoranthene	2.7	8.76	30.8	230	450	mg/kg-oc	0.1	0.1	Document 3400
MH363	N	5/14/2007	Benzo(g,h,i)perylene	1.1	8.76	12.6	31	78	mg/kg-oc	0.4	0.2	Document 3400
MH363	N	5/14/2007	Benzo(k)fluoranthene	2.4	8.76	27.4	230	450	mg/kg-oc	0.1	0.1	Document 3400
MH363	N	5/14/2007	bis(2-Ethylhexyl)phthalate	15	8.76	171.2	47	78	mg/kg-oc	3.6	2.2	Document 3400
MH363	N	5/14/2007	Chrysene	2.1	8.76	24.0	110	460	mg/kg-oc	0.2	0.1	Document 3400
MH363	N	5/14/2007	Copper	251			390	390	mg/kg-dw	0.6	0.6	Document 3400
MH363	N	5/14/2007	Diesel Range Hydrocarbons	580			NA	NA				Document 3400
MH363	N	5/14/2007	Di-n-octyl phthalate	8.8	8.76	100.5	58	4500	mg/kg-oc	1.7	0.0	Document 3400
MH363	N	5/14/2007	Fluoranthene	3.9	8.76	44.5	160	1200	mg/kg-oc	0.3	0.0	Document 3400
MH363	N	5/14/2007	Heavy Oil Range Hydrocarbons	3500			NA	NA				Document 3400
MH363	N	5/14/2007	Indeno(1,2,3-cd)pyrene	1.1	8.76	12.6	34	88	mg/kg-oc	0.4	0.1	Document 3400
MH363	N	5/14/2007	Lead	210			450	530	mg/kg-dw	0.5	0.4	Document 3400
MH363	N	5/14/2007	Mercury	1.8			0.41	0.59	mg/kg-dw	4.4	3.1	Document 3400
MH363	N	5/14/2007	PCBs, total	183	8.76	2089.0	12	65	mg/kg-oc	174.1	32.1	Document 3400
MH363	N	5/14/2007	Phenanthrene	1.6	8.76	18.3	100	480	mg/kg-oc	0.2	0.0	Document 3400
MH363	N	5/14/2007	Phenol	0.86			420	1200	ug/kg-dw	2.0	0.7	Document 3400
MH363	N	5/14/2007	Pyrene	1.8	8.76	20.5	1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	5/14/2007	Zinc	751			410	960	mg/kg-dw	1.8	0.8	Document 3400
MH363	N	10/29/2007	4-Methylphenol	0.28 J			670	670	ug/kg-dw	0.4	0.4	Document 3400
MH363	N	10/29/2007	Aroclor 1248	25000	9.95	251256.3	12	65	mg/kg-oc	20938.0	3865.5	Document 3400
MH363	N	10/29/2007	Aroclor 1254	37000	9.95	371859.3	12	65	mg/kg-oc	30988.3	5720.9	Document 3400
MH363	N	10/29/2007	Benzo(a)anthracene	0.44 J	9.95	4.4	110	270	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	10/29/2007	Benzo(a)pyrene	0.39 J	9.95	3.9	99	210	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	10/29/2007	Benzo(b)fluoranthene	1.2 J	9.95	12.1	230	450	mg/kg-oc	0.1	0.0	Document 3400
MH363	N	10/29/2007	Benzo(k)fluoranthene	1.4 J	9.95	14.1	230	450	mg/kg-oc	0.1	0.0	Document 3400
MH363	N	10/29/2007	bis(2-Ethylhexyl)phthalate	8 J	9.95	80.4	47	78	mg/kg-oc	1.7	1.0	Document 3400
MH363	N	10/29/2007	Butylbenzylphthalate	0.69 J	9.95	6.9	4.9	64	mg/kg-oc	1.4	0.1	Document 3400
MH363	N	10/29/2007	Carbazole	0.18 J			NA	NA				Document 3400
MH363	N	10/29/2007	Chrysene	1.2 J	9.95	12.1	110	460	mg/kg-oc	0.1	0.0	Document 3400

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)		TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH363	N	10/29/2007	Copper	366				390	390	mg/kg-dw	0.9	0.9	Document 3400
MH363	N	10/29/2007	Diesel Range Hydrocarbons	460				NA	NA				Document 3400
MH363	N	10/29/2007	Di-n-butylphthalate	0.16	J	9.95	1.6	220	1700	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	10/29/2007	Di-n-octyl phthalate	4.4	J	9.95	44.2	58	4500	mg/kg-oc	0.8	0.0	Document 3400
MH363	N	10/29/2007	Fluoranthene	2.2	J	9.95	22.1	160	1200	mg/kg-oc	0.1	0.0	Document 3400
MH363	N	10/29/2007	Heavy Oil Range Hydrocarbons	2900				NA	NA				Document 3400
MH363	N	10/29/2007	Indeno(1,2,3-cd)pyrene	0.17	J	9.95	1.7	34	88	mg/kg-oc	0.1	0.0	Document 3400
MH363	N	10/29/2007	Lead	240				450	530	mg/kg-dw	0.5	0.5	Document 3400
MH363	N	10/29/2007	Mercury	4.4				0.41	0.59	mg/kg-dw	10.7	7.5	Document 3400
MH363	N	10/29/2007	PCBs, total	62		9.95	623.1	12	65	mg/kg-oc	51.9	9.6	Document 3400
MH363	N	10/29/2007	Phenanthrene	0.84	J	9.95	8.4	100	480	mg/kg-oc	0.1	0.0	Document 3400
MH363	N	10/29/2007	Pyrene	1.1	J	9.95	11.1	1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	10/29/2007	Zinc	1120				410	960	mg/kg-dw	2.7	1.2	Document 3400
MH363	N	3/18/2008	1-Methylnaphthalene	0.47				NA	NA				Document 3400
MH363	N	3/18/2008	2-Methylnaphthalene	0.65		11.4	5.7	38	64	mg/kg-oc	0.2	0.1	Document 3400
MH363	N	3/18/2008	4-Methylphenol	0.76				670	670	ug/kg-dw	1.1	1.1	Document 3400
MH363	N	3/18/2008	Acenaphthene	1.1		11.4	9.6	16	57	mg/kg-oc	0.6	0.2	Document 3400
MH363	N	3/18/2008	Anthracene	1.8		11.4	15.8	220	1200	mg/kg-oc	0.1	0.0	Document 3400
MH363	N	3/18/2008	Aroclor 1254	16		11.4	140.4	12	65	mg/kg-oc	11.7	2.2	Document 3400
MH363	N	3/18/2008	Arsenic	10				57	93	mg/kg-dw	0.2	0.1	Document 3400
MH363	N	3/18/2008	Benzo(a)anthracene	4		11.4	35.1	110	270	mg/kg-oc	0.3	0.1	Document 3400
MH363	N	3/18/2008	Benzo(a)pyrene	5.4		11.4	47.4	99	210	mg/kg-oc	0.5	0.2	Document 3400
MH363	N	3/18/2008	Benzo(b)fluoranthene	6.6		11.4	57.9	230	450	mg/kg-oc	0.3	0.1	Document 3400
MH363	N	3/18/2008	Benzo(g,h,i)perylene	3.4		11.4	29.8	31	78	mg/kg-oc	1.0	0.4	Document 3400
MH363	N	3/18/2008	Benzo(k)fluoranthene	4.4		11.4	38.6	230	450	mg/kg-oc	0.2	0.1	Document 3400
MH363	N	3/18/2008	bis(2-Ethylhexyl)phthalate	13		11.4	114.0	47	78	mg/kg-oc	2.4	1.5	Document 3400
MH363	N	3/18/2008	Butylbenzylphthalate	1.2		11.4	10.5	4.9	64	mg/kg-oc	2.1	0.2	Document 3400
MH363	N	3/18/2008	Chrysene	7		11.4	61.4	110	460	mg/kg-oc	0.6	0.1	Document 3400
MH363	N	3/18/2008	Copper	257				390	390	mg/kg-dw	0.7	0.7	Document 3400
MH363	N	3/18/2008	Dibenz(a,h)anthracene	1.5		11.4	13.2	12	33	mg/kg-oc	1.1	0.4	Document 3400
MH363	N	3/18/2008	Dibenzofuran	0.6		11.4	5.3	15	58	mg/kg-oc	0.4	0.1	Document 3400
MH363	N	3/18/2008	Diesel Range Hydrocarbons	1500				NA	NA				Document 3400
MH363	N	3/18/2008	Diethylphthalate	0.45		11.4	3.9	61	110	mg/kg-oc	0.1	0.0	Document 3400
MH363	N	3/18/2008	Di-n-butylphthalate	0.47		11.4	4.1	220	1700	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	3/18/2008	Di-n-octyl phthalate	4.4		11.4	38.6	58	4500	mg/kg-oc	0.7	0.0	Document 3400
MH363	N	3/18/2008	Fluoranthene	14		11.4	122.8	160	1200	mg/kg-oc	0.8	0.1	Document 3400
MH363	N	3/18/2008	Fluorene	1.3		11.4	11.4	23	79	mg/kg-oc	0.5	0.1	Document 3400
MH363	N	3/18/2008	Heavy Oil Range Hydrocarbons	6900				NA	NA				Document 3400
MH363	N	3/18/2008	Indeno(1,2,3-cd)pyrene	3.3		11.4	28.9	34	88	mg/kg-oc	0.9	0.3	Document 3400
MH363	N	3/18/2008	Lead	186				450	530	mg/kg-dw	0.4	0.4	Document 3400
MH363	N	3/18/2008	Mercury	1.07				0.41	0.59	mg/kg-dw	2.6	1.8	Document 3400
MH363	N	3/18/2008	PCBs, total	16		11.4	140.4	12	65	mg/kg-oc	11.7	2.2	Document 3400
MH363	N	3/18/2008	Phenanthrene	9.2		11.4	80.7	100	480	mg/kg-oc	0.8	0.2	Document 3400
MH363	N	3/18/2008	Pyrene	9.9		11.4	86.8	1000	1400	mg/kg-oc	0.1	0.1	Document 3400
MH363	N	3/18/2008	Zinc	611				410	960	mg/kg-dw	1.5	0.6	Document 3400

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH363	N	7/30/2008	4-Methylphenol	2.4			670	670	ug/kg-dw	3.6	3.6	Document 3400
MH363	N	7/30/2008	Aroclor 1254	4.2			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	7/30/2008	Arsenic	20			57	93	mg/kg-dw	0.4	0.2	Document 3400
MH363	N	7/30/2008	Benzo(a)anthracene	0.42			110	270	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	7/30/2008	Benzo(a)pyrene	0.69			99	210	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	7/30/2008	Benzo(b)fluoranthene	0.81			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	7/30/2008	Benzo(g,h,i)perylene	0.69			31	78	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	7/30/2008	Benzo(k)fluoranthene	1.1			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	7/30/2008	bis(2-Ethylhexyl)phthalate	6.1			47	78	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	7/30/2008	Butylbenzylphthalate	0.37			4.9	64	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	7/30/2008	Chrysene	1.1			110	460	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	7/30/2008	Copper	328			390	390	mg/kg-dw	0.8	0.8	Document 3400
MH363	N	7/30/2008	Diesel Range Hydrocarbons	220			NA	NA				Document 3400
MH363	N	7/30/2008	Di-n-octyl phthalate	2.3			58	4500	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	7/30/2008	Fluoranthene	1.8			160	1200	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	7/30/2008	Heavy Oil Range Hydrocarbons	1100			NA	NA				Document 3400
MH363	N	7/30/2008	Indeno(1,2,3-cd)pyrene	0.6			34	88	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	7/30/2008	Lead	199			450	530	mg/kg-dw	0.4	0.4	Document 3400
MH363	N	7/30/2008	Mercury	0.6	J		0.41	0.59	mg/kg-dw	1.5	1.0	Document 3400
MH363	N	7/30/2008	PCBs, total	4.2			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	7/30/2008	Phenanthrene	0.78			100	480	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	7/30/2008	Pyrene	1.4			1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH363	N	7/30/2008	Zinc	933			410	960	mg/kg-dw	2.3	1.0	Document 3400
MH363	N	12/3/2008	4-Methylphenol	0.34	13.1		670	670	ug/kg-dw	0.5	0.5	Document 3260
MH363	N	12/3/2008	Aroclor 1254	3.1	13.1	23.7	12	65	mg/kg-oc	2.0	0.4	Document 3260
MH363	N	12/3/2008	Arsenic	20	13.1		57	93	mg/kg-dw	0.4	0.2	Document 3260
MH363	N	12/3/2008	Benzo(a)anthracene	0.9	13.1	6.9	110	270	mg/kg-oc	0.1	0.0	Document 3260
MH363	N	12/3/2008	Benzo(a)pyrene	1.4	13.1	10.7	99	210	mg/kg-oc	0.1	0.1	Document 3260
MH363	N	12/3/2008	Benzo(b)fluoranthene	1.4	13.1	10.7	230	450	mg/kg-oc	0.0	0.0	Document 3260
MH363	N	12/3/2008	Benzo(g,h,i)perylene	1.2	13.1	9.2	31	78	mg/kg-oc	0.3	0.1	Document 3260
MH363	N	12/3/2008	Benzo(k)fluoranthene	2	13.1	15.3	230	450	mg/kg-oc	0.1	0.0	Document 3260
MH363	N	12/3/2008	bis(2-Ethylhexyl)phthalate	5.9	13.1	45.0	47	78	mg/kg-oc	1.0	0.6	Document 3260
MH363	N	12/3/2008	Butylbenzylphthalate	0.86	13.1	6.6	4.9	64	mg/kg-oc	1.3	0.1	Document 3260
MH363	N	12/3/2008	Carbazole	0.41	13.1		NA	NA				Document 3260
MH363	N	12/3/2008	Chrysene	2.1	13.1	16.0	110	460	mg/kg-oc	0.1	0.0	Document 3260
MH363	N	12/3/2008	Copper	556	13.1		390	390	mg/kg-dw	1.4	1.4	Document 3260
MH363	N	12/3/2008	Dibenz(a,h)anthracene	0.39	13.1	3.0	12	33	mg/kg-oc	0.2	0.1	Document 3260
MH363	N	12/3/2008	Diesel Range Hydrocarbons	120	J		NA	NA				Document 3260
MH363	N	12/3/2008	Di-n-octyl phthalate	1.6	13.1	12.2	58	4500	mg/kg-oc	0.2	0.0	Document 3260
MH363	N	12/3/2008	Fluoranthene	3.7	13.1	28.2	160	1200	mg/kg-oc	0.2	0.0	Document 3260
MH363	N	12/3/2008	Indeno(1,2,3-cd)pyrene	1.1	13.1	8.4	34	88	mg/kg-oc	0.2	0.1	Document 3260
MH363	N	12/3/2008	Lead	273	13.1		450	530	mg/kg-dw	0.6	0.5	Document 3260
MH363	N	12/3/2008	Mercury	1	13.1		0.41	0.59	mg/kg-dw	2.4	1.7	Document 3260
MH363	N	12/3/2008	Motor Oil	710	J		NA	NA				Document 3260
MH363	N	12/3/2008	PCBs, total	3.1	13.1	23.7	12	65	mg/kg-oc	2.0	0.4	Document 3260

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH363	N	12/3/2008	Phenanthrene	1.4	13.1	10.7	100	480	mg/kg-oc	0.1	0.0	Document 3260
MH363	N	12/3/2008	Pyrene	2.3	13.1	17.6	1000	1400	mg/kg-oc	0.0	0.0	Document 3260
MH363	N	12/3/2008	Zinc	1510	13.1		410	960	mg/kg-dw	3.7	1.6	Document 3260
MH364	SC	8/11/2005	Aroclor 1254	1.4			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	8/11/2005	Aroclor 1260	0.38			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	8/11/2005	PCBs, total	1.4			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	3/16/2006	Aroclor 1254	1.3	5.80	22.4	12	65	mg/kg-oc	1.9	0.3	Document 3400
MH364	SC	3/16/2006	Aroclor 1260	0.51	5.80	8.8	12	65	mg/kg-oc	0.7	0.1	Document 3400
MH364	SC	3/16/2006	Benzo(a)anthracene	1.2	5.80	20.7	110	270	mg/kg-oc	0.2	0.1	Document 3400
MH364	SC	3/16/2006	Benzo(a)pyrene	1.5	5.80	25.9	99	210	mg/kg-oc	0.3	0.1	Document 3400
MH364	SC	3/16/2006	Benzo(b)fluoranthene	2.6	5.80	44.8	230	450	mg/kg-oc	0.2	0.1	Document 3400
MH364	SC	3/16/2006	Benzo(g,h,i)perylene	0.95	5.80	16.4	31	78	mg/kg-oc	0.5	0.2	Document 3400
MH364	SC	3/16/2006	Benzo(k)fluoranthene	1.7	5.80	29.3	230	450	mg/kg-oc	0.1	0.1	Document 3400
MH364	SC	3/16/2006	bis(2-Ethylhexyl)phthalate	4.5	5.80	77.6	47	78	mg/kg-oc	1.7	1.0	Document 3400
MH364	SC	3/16/2006	Chrysene	2.6	5.80	44.8	110	460	mg/kg-oc	0.4	0.1	Document 3400
MH364	SC	3/16/2006	Copper	99			390	390	mg/kg-dw	0.3	0.3	Document 3400
MH364	SC	3/16/2006	Diesel Range Hydrocarbons	320			NA	NA				Document 3400
MH364	SC	3/16/2006	Di-n-octyl phthalate	23	5.80	396.6	58	4500	mg/kg-oc	6.8	0.1	Document 3400
MH364	SC	3/16/2006	Fluoranthene	4.8	5.80	82.8	160	1200	mg/kg-oc	0.5	0.1	Document 3400
MH364	SC	3/16/2006	Heavy Oil Range Hydrocarbons	1200			NA	NA				Document 3400
MH364	SC	3/16/2006	Indeno(1,2,3-cd)pyrene	0.93	5.80	16.0	34	88	mg/kg-oc	0.5	0.2	Document 3400
MH364	SC	3/16/2006	Lead	120			450	530	mg/kg-dw	0.3	0.2	Document 3400
MH364	SC	3/16/2006	Mercury	0.3			0.41	0.59	mg/kg-dw	0.7	0.5	Document 3400
MH364	SC	3/16/2006	PCBs, total	1.81	5.80	31.2	12	65	mg/kg-oc	2.6	0.5	Document 3400
MH364	SC	3/16/2006	Phenanthrene	1.8	5.80	31.0	100	480	mg/kg-oc	0.3	0.1	Document 3400
MH364	SC	3/16/2006	Pyrene	2.7	5.80	46.6	1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	3/16/2006	Zinc	448			410	960	mg/kg-dw	1.1	0.5	Document 3400
MH364	SC	10/11/2006	Aroclor 1254	0.48			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	10/11/2006	Aroclor 1260	0.15			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	10/11/2006	Copper	106			390	390	mg/kg-dw	0.3	0.3	Document 3400
MH364	SC	10/11/2006	Lead	100			450	530	mg/kg-dw	0.2	0.2	Document 3400
MH364	SC	10/11/2006	PCBs, total	0.63			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	10/11/2006	Zinc	660			410	960	mg/kg-dw	1.6	0.7	Document 3400
MH364	SC	1/8/2007	Aroclor 1254	0.43	2.38	18.1	12	65	mg/kg-oc	1.5	0.3	Document 3400
MH364	SC	1/8/2007	Aroclor 1260	0.14	2.38	5.9	12	65	mg/kg-oc	0.5	0.1	Document 3400
MH364	SC	1/8/2007	Benzo(a)anthracene	1.3	2.38	54.6	110	270	mg/kg-oc	0.5	0.2	Document 3400
MH364	SC	1/8/2007	Benzo(a)pyrene	1.9	2.38	79.8	99	210	mg/kg-oc	0.8	0.4	Document 3400
MH364	SC	1/8/2007	Benzo(b)fluoranthene	3	2.38	126.1	230	450	mg/kg-oc	0.5	0.3	Document 3400
MH364	SC	1/8/2007	Benzo(g,h,i)perylene	1.5	2.38	63.0	31	78	mg/kg-oc	2.0	0.8	Document 3400
MH364	SC	1/8/2007	Benzo(k)fluoranthene	1.7	2.38	71.4	230	450	mg/kg-oc	0.3	0.2	Document 3400
MH364	SC	1/8/2007	bis(2-Ethylhexyl)phthalate	3.6	2.38	151.3	47	78	mg/kg-oc	3.2	1.9	Document 3400
MH364	SC	1/8/2007	Chrysene	2.6	2.38	109.2	110	460	mg/kg-oc	1.0	0.2	Document 3400
MH364	SC	1/8/2007	Copper	72.2			390	390	mg/kg-dw	0.2	0.2	Document 3400
MH364	SC	1/8/2007	Di-n-octyl phthalate	11	2.38	462.2	58	4500	mg/kg-oc	8.0	0.1	Document 3400
MH364	SC	1/8/2007	Fluoranthene	4.7	2.38	197.5	160	1200	mg/kg-oc	1.2	0.2	Document 3400

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH364	SC	1/8/2007	Indeno(1,2,3-cd)pyrene	1.4	2.38	58.8	34	88	mg/kg-oc	1.7	0.7	Document 3400
MH364	SC	1/8/2007	Lead	97			450	530	mg/kg-dw	0.2	0.2	Document 3400
MH364	SC	1/8/2007	PCBs, total	0.57	2.38	23.9	12	65	mg/kg-oc	2.0	0.4	Document 3400
MH364	SC	1/8/2007	Phenanthrene	2	2.38	84.0	100	480	mg/kg-oc	0.8	0.2	Document 3400
MH364	SC	1/8/2007	Pyrene	2.9	2.38	121.8	1000	1400	mg/kg-oc	0.1	0.1	Document 3400
MH364	SC	1/8/2007	Zinc	293			410	960	mg/kg-dw	0.7	0.3	Document 3400
MH364	SC	10/29/2007	Copper	4.3			390	390	mg/kg-dw	0.0	0.0	Document 3400
MH364	SC	10/29/2007	Lead	4			450	530	mg/kg-dw	0.0	0.0	Document 3400
MH364	SC	10/29/2007	Zinc	30			410	960	mg/kg-dw	0.1	0.0	Document 3400
MH364	SC	3/18/2008	Anthracene	0.063			220	1200	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	3/18/2008	Aroclor 1254	0.065			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	3/18/2008	Aroclor 1260	0.025			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	3/18/2008	Benzo(a)anthracene	0.21			110	270	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	3/18/2008	Benzo(a)pyrene	0.31			99	210	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	3/18/2008	Benzo(b)fluoranthene	0.5			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	3/18/2008	Benzo(g,h,i)perylene	0.22			31	78	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	3/18/2008	Benzo(k)fluoranthene	0.24			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	3/18/2008	bis(2-Ethylhexyl)phthalate	0.49			47	78	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	3/18/2008	Chrysene	0.39			110	460	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	3/18/2008	Dibenz(a,h)anthracene	0.06			12	33	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	3/18/2008	Di-n-octyl phthalate	1.6			58	4500	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	3/18/2008	Fluoranthene	0.69			160	1200	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	3/18/2008	Indeno(1,2,3-cd)pyrene	0.22			34	88	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	3/18/2008	PCBs, total	0.09			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	3/18/2008	Phenanthrene	0.3			100	480	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	3/18/2008	Pyrene	0.48			1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	7/30/2008	Aroclor 1254	0.032			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	7/30/2008	PCBs, total	0.032			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH364	SC	12/3/2008	Aroclor 1254	0.026			12	65	mg/kg-oc	0.0	0.0	
MH364	SC	12/3/2008	bis(2-Ethylhexyl)phthalate	0.34			47	78	mg/kg-oc	0.0	0.0	
MH364	SC	12/3/2008	Chrysene	0.084			110	460	mg/kg-oc	0.0	0.0	
MH364	SC	12/3/2008	Di-n-octyl phthalate	2			58	4500	mg/kg-oc	0.0	0.0	
MH364	SC	12/3/2008	Fluoranthene	0.1			160	1200	mg/kg-oc	0.0	0.0	
MH364	SC	12/3/2008	PCBs, total	0.026			12	65	mg/kg-oc	0.0	0.0	
MH364	SC	12/3/2008	Pyrene	0.09			1000	1400	mg/kg-oc	0.0	0.0	
MH369		7/15/1992	Aroclor 1254	5.4	3.22	167.7	12	65	mg/kg-oc	14.0	2.6	PCB Report
MH369		7/15/1992	Aroclor 1260	2.2	3.22	68.3	12	65	mg/kg-oc	5.7	1.1	PCB Report
MH369		7/15/1992	PCB, total	7.6	3.22	236.0	12	65	mg/kg-oc	19.7	3.6	PCB Report
MH369		6/3/2000	Aroclor 1254	11.211	3.22	348.2	12	65	mg/kg-oc	29.0	5.4	PCB Report
MH369		6/3/2000	Aroclor 1260	9.081	3.22	282.0	12	65	mg/kg-oc	23.5	4.3	PCB Report
MH369		6/3/2000	PCB, total	20.29	3.22	630.1	12	65	mg/kg-oc	52.5	9.7	PCB Report
MH373		8/13/1998	Aroclor 1254	0.34	3.22	10.6	12	65	mg/kg-oc	0.9	0.2	PCB Report
MH373		8/13/1998	Aroclor 1254	0.35	3.22	10.9	12	65	mg/kg-oc	0.9	0.2	PCB Report
MH373		8/13/1998	Aroclor 1260	0.036	J 3.22	1.1	12	65	mg/kg-oc	0.1	0.0	PCB Report
MH373		8/13/1998	Aroclor 1260	0.043	J 3.22	1.3	12	65	mg/kg-oc	0.1	0.0	PCB Report

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH373		8/13/1998	PCB, total	0.383	3.22	11.9	12	65	mg/kg-oc	1.0	0.2	PCB Report
MH373		8/13/1998	PCB, total	0.386	3.22	12.0	12	65	mg/kg-oc	1.0	0.2	PCB Report
MH378		7/15/1992	Aroclor 1016/1242	0.27	3.22	8.4	12	65	mg/kg-oc	0.7	0.1	PCB Report
MH378		7/15/1992	Aroclor 1254	3.5	3.22	108.7	12	65	mg/kg-oc	9.1	1.7	PCB Report
MH378		7/15/1992	Aroclor 1260	5.9	3.22	183.2	12	65	mg/kg-oc	15.3	2.8	PCB Report
MH378		7/15/1992	PCB, total	9.67	3.22	300.3	12	65	mg/kg-oc	25.0	4.6	PCB Report
MH402		8/14/1998	Aroclor 1254	18	3.22	559.0	12	65	mg/kg-oc	46.6	8.6	PCB Report
MH402		8/14/1998	Aroclor 1260	4.3	3.22	133.5	12	65	mg/kg-oc	11.1	2.1	PCB Report
MH402		8/14/1998	PCB, total	22.3	3.22	692.5	12	65	mg/kg-oc	57.7	10.7	PCB Report
MH402		6/4/2000	Aroclor 1254	2.962	3.22	92.0	12	65	mg/kg-oc	7.7	1.4	PCB Report
MH402		6/4/2000	Aroclor 1260	2.443	3.22	75.9	12	65	mg/kg-oc	6.3	1.2	PCB Report
MH402		6/4/2000	PCB, total	5.405	3.22	167.9	12	65	mg/kg-oc	14.0	2.6	PCB Report
MH413		8/10/2000	Aroclor 1254	0.91	3.22	28.3	12	65	mg/kg-oc	2.4	0.4	PCB Report
MH413		8/10/2000	Aroclor 1260	1.2	3.22	37.3	12	65	mg/kg-oc	3.1	0.6	PCB Report
MH413		8/10/2000	PCB, total	2.1	3.22	65.2	12	65	mg/kg-oc	5.4	1.0	PCB Report
MH414	SC	8/13/1998	Aroclor 1254	1	3.22	31.1	12	65	mg/kg-oc	2.6	0.5	PCB Report
MH414	SC	8/13/1998	Aroclor 1260	0.15	3.22	4.7	12	65	mg/kg-oc	0.4	0.1	PCB Report
MH414	SC	8/13/1998	PCB, total	1.15	3.22	35.7	12	65	mg/kg-oc	3.0	0.5	PCB Report
MH414	SC	7/19/2000	Aroclor 1254	0.97	3.22	30.1	12	65	mg/kg-oc	2.5	0.5	PCB Report
MH414	SC	7/19/2000	Aroclor 1260	0.48	3.22	14.9	12	65	mg/kg-oc	1.2	0.2	PCB Report
MH414	SC	7/19/2000	PCB, total	1.45	3.22	45.0	12	65	mg/kg-oc	3.8	0.7	PCB Report
MH414	SC	4/10/2007	Aroclor 1254	0.23	3.22	7.1	12	65	mg/kg-oc	0.6	0.1	no data
MH414	SC	4/10/2007	Aroclor 1260	0.14	3.22	4.3	12	65	mg/kg-oc	0.4	0.1	no data
MH414	SC	4/10/2007	PCB, total	0.37	3.22	11.5	12	65	mg/kg-oc	1.0	0.2	no data
MH415	SC	7/19/2000	Aroclor 1254	17.8814	3.22	555.3	12	65	mg/kg-oc	46.3	8.5	PCB Report
MH415	SC	7/19/2000	Aroclor 1260	7.2983	3.22	226.7	12	65	mg/kg-oc	18.9	3.5	PCB Report
MH415	SC	7/19/2000	PCB, total	25.179	3.22	782.0	12	65	mg/kg-oc	65.2	12.0	PCB Report
MH415	SC	6/6/2005	Aroclor 1254	13	3.22	403.7	12	65	mg/kg-oc	33.6	6.2	no data
MH415	SC	6/6/2005	PCB, total	13	3.22	403.7	12	65	mg/kg-oc	33.6	6.2	no data
MH415	SC	3/14/2007	Aroclor 1248	34	3.22	1055.9	12	65	mg/kg-oc	88.0	16.2	no data
MH415	SC	3/14/2007	Aroclor 1254	56	3.22	1739.1	12	65	mg/kg-oc	144.9	26.8	no data
MH415	SC	3/14/2007	Aroclor 1260	14	3.22	434.8	12	65	mg/kg-oc	36.2	6.7	no data
MH415	SC	3/14/2007	PCB, total	70	3.22	2173.9	12	65	mg/kg-oc	181.2	33.4	no data
MH415	SC	4/10/2007	Aroclor 1254	47	3.22	1459.6	12	65	mg/kg-oc	121.6	22.5	no data
MH415	SC	4/10/2007	PCB, total	47	3.22	1459.6	12	65	mg/kg-oc	121.6	22.5	no data
MH422	N&NC	8/11/2005	2-Methylnaphthalene	0.12	4.29	2.8	38	64	mg/kg-oc	0.1	0.0	Document 3400
MH422	N&NC	8/11/2005	Acenaphthene	0.21	4.29	4.9	16	57	mg/kg-oc	0.3	0.1	Document 3400
MH422	N&NC	8/11/2005	Anthracene	0.36	4.29	8.4	220	1200	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	8/11/2005	Aroclor 1254	10	4.29	233.1	12	65	mg/kg-oc	19.4	3.6	Document 3400
MH422	N&NC	8/11/2005	Aroclor 1260	1.2	4.29	28.0	12	65	mg/kg-oc	2.3	0.4	Document 3400
MH422	N&NC	8/11/2005	Arsenic	11			57	93	mg/kg-dw	0.2	0.1	Document 3400
MH422	N&NC	8/11/2005	Benzo(a)anthracene	1.4	4.29	32.6	110	270	mg/kg-oc	0.3	0.1	Document 3400
MH422	N&NC	8/11/2005	Benzo(a)pyrene	1.7	4.29	39.6	99	210	mg/kg-oc	0.4	0.2	Document 3400
MH422	N&NC	8/11/2005	Benzo(b)fluoranthene	2.4	4.29	55.9	230	450	mg/kg-oc	0.2	0.1	Document 3400
MH422	N&NC	8/11/2005	Benzo(g,h,i)perylene	0.72	4.29	16.8	31	78	mg/kg-oc	0.5	0.2	Document 3400



**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH422	N&NC	8/11/2005	Benzo(k)fluoranthene	1.3	4.29	30.3	230	450	mg/kg-oc	0.1	0.1	Document 3400
MH422	N&NC	8/11/2005	bis(2-Ethylhexyl)phthalate	24	4.29	559.4	47	78	mg/kg-oc	11.9	7.2	Document 3400
MH422	N&NC	8/11/2005	Butylbenzylphthalate	0.12	4.29	2.8	4.9	64	mg/kg-oc	0.6	0.0	Document 3400
MH422	N&NC	8/11/2005	Carbazole	0.39			NA	NA				Document 3400
MH422	N&NC	8/11/2005	Chrysene	1.9	4.29	44.3	110	460	mg/kg-oc	0.4	0.1	Document 3400
MH422	N&NC	8/11/2005	Copper	83.6			390	390	mg/kg-dw	0.2	0.2	Document 3400
MH422	N&NC	8/11/2005	Dibenz(a,h)anthracene	0.26	4.29	6.1	12	33	mg/kg-oc	0.5	0.2	Document 3400
MH422	N&NC	8/11/2005	Dibenzofuran	0.15	4.29	3.5	15	58	mg/kg-oc	0.2	0.1	Document 3400
MH422	N&NC	8/11/2005	Diesel Range Hydrocarbons	230			NA	NA				Document 3400
MH422	N&NC	8/11/2005	Di-n-butylphthalate	0.13	4.29	3.0	220	1700	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	8/11/2005	Di-n-octyl phthalate	0.44	4.29	10.3	58	4500	mg/kg-oc	0.2	0.0	Document 3400
MH422	N&NC	8/11/2005	Fluoranthene	4.1	4.29	95.6	160	1200	mg/kg-oc	0.6	0.1	Document 3400
MH422	N&NC	8/11/2005	Fluorene	0.19	4.29	4.4	23	79	mg/kg-oc	0.2	0.1	Document 3400
MH422	N&NC	8/11/2005	Heavy Oil Range Hydrocarbons	970			NA	NA				Document 3400
MH422	N&NC	8/11/2005	Indeno(1,2,3-cd)pyrene	0.81	4.29	18.9	34	88	mg/kg-oc	0.6	0.2	Document 3400
MH422	N&NC	8/11/2005	Lead	140			450	530	mg/kg-dw	0.3	0.3	Document 3400
MH422	N&NC	8/11/2005	Mercury	1.1			0.41	0.59	mg/kg-dw	2.7	1.9	Document 3400
MH422	N&NC	8/11/2005	PCBs, total	10	4.29	233.1	12	65	mg/kg-oc	19.4	3.6	Document 3400
MH422	N&NC	8/11/2005	Phenanthrene	2.8	4.29	65.3	100	480	mg/kg-oc	0.7	0.1	Document 3400
MH422	N&NC	8/11/2005	Pyrene	3	4.29	69.9	1000	1400	mg/kg-oc	0.1	0.0	Document 3400
MH422	N&NC	8/11/2005	Zinc	368			410	960	mg/kg-dw	0.9	0.4	Document 3400
MH422	N&NC	3/16/2006	1,2,4-Trichlorobenzene	0.34	7.86	4.3	0.81	1.8	mg/kg-oc	5.3	2.4	Document 3400
MH422	N&NC	3/16/2006	1,2-Dichlorobenzene	0.34	7.86	4.3	2.3	2.3	mg/kg-oc	1.9	1.9	Document 3400
MH422	N&NC	3/16/2006	1,3-Dichlorobenzene	0.34	7.86	4.3	NA	NA				Document 3400
MH422	N&NC	3/16/2006	1,4-Dichlorobenzene	0.34	7.86	4.3	3.1	9	mg/kg-oc	1.4	0.5	Document 3400
MH422	N&NC	3/16/2006	2,2'Oxybis (1-Chloropropane)	0.34			NA	NA				Document 3400
MH422	N&NC	3/16/2006	2,4,5-Trichlorophenol	1.7			NA	NA				Document 3400
MH422	N&NC	3/16/2006	2,4,6-Trichlorophenol	1.7			NA	NA				Document 3400
MH422	N&NC	3/16/2006	2,4-Dichlorophenol	1.7			NA	NA				Document 3400
MH422	N&NC	3/16/2006	2,4-Dimethylphenol	0.34			29	29	ug/kg-dw	11.7	11.7	Document 3400
MH422	N&NC	3/16/2006	2-Chloronaphthalene	0.34			NA	NA				Document 3400
MH422	N&NC	3/16/2006	2-Chlorophenol	0.34			NA	NA				Document 3400
MH422	N&NC	3/16/2006	2-Methylnaphthalene	0.34	7.86	4.3	38	64	mg/kg-oc	0.1	0.1	Document 3400
MH422	N&NC	3/16/2006	2-Methylphenol	0.34			63	63	ug/kg-dw	5.4	5.4	Document 3400
MH422	N&NC	3/16/2006	2-Nitroaniline	1.7			NA	NA				Document 3400
MH422	N&NC	3/16/2006	2-Nitrophenol	1.7			NA	NA				Document 3400
MH422	N&NC	3/16/2006	4-Chloro-3-methylphenol	1.7			NA	NA				Document 3400
MH422	N&NC	3/16/2006	4-Chloroaniline	1.7			NA	NA				Document 3400
MH422	N&NC	3/16/2006	4-Methylphenol	0.34			670	670	ug/kg-dw	0.5	0.5	Document 3400
MH422	N&NC	3/16/2006	Anthracene	0.38	7.86	4.8	220	1200	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	3/16/2006	Aroclor 1248	41	7.86	521.6	12	65	mg/kg-oc	43.5	8.0	Document 3400
MH422	N&NC	3/16/2006	Aroclor 1254	55	7.86	699.7	12	65	mg/kg-oc	58.3	10.8	Document 3400
MH422	N&NC	3/16/2006	Aroclor 1260	11	7.86	139.9	12	65	mg/kg-oc	11.7	2.2	Document 3400
MH422	N&NC	3/16/2006	Arsenic	10			57	93	mg/kg-dw	0.2	0.1	Document 3400

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH422	N&NC	3/16/2006	Benzo(a)anthracene	1.8	7.86	22.9	110	270	mg/kg-oc	0.2	0.1	Document 3400
MH422	N&NC	3/16/2006	Benzo(a)pyrene	2	7.86	25.4	99	210	mg/kg-oc	0.3	0.1	Document 3400
MH422	N&NC	3/16/2006	Benzo(b)fluoranthene	2.4	7.86	30.5	230	450	mg/kg-oc	0.1	0.1	Document 3400
MH422	N&NC	3/16/2006	Benzo(g,h,i)perylene	0.89	7.86	11.3	31	78	mg/kg-oc	0.4	0.1	Document 3400
MH422	N&NC	3/16/2006	Benzo(k)fluoranthene	2.3	7.86	29.3	230	450	mg/kg-oc	0.1	0.1	Document 3400
MH422	N&NC	3/16/2006	Benzoic Acid	3.4			650	650	ug/kg-dw	5.2	5.2	Document 3400
MH422	N&NC	3/16/2006	Benzyl Alcohol	0.34			57	73	ug/kg-dw	6.0	4.7	Document 3400
MH422	N&NC	3/16/2006	bis(2-Chloroethoxy) Methane	0.34			NA	NA				Document 3400
MH422	N&NC	3/16/2006	bis(2-Chloroethyl) ether	0.34			NA	NA				Document 3400
MH422	N&NC	3/16/2006	bis(2-Ethylhexyl)phthalate	2.6	7.86	33.1	47	78	mg/kg-oc	0.7	0.4	Document 3400
MH422	N&NC	3/16/2006	Carbazole	0.48			NA	NA				Document 3400
MH422	N&NC	3/16/2006	Chrysene	2.7	7.86	34.4	110	460	mg/kg-oc	0.3	0.1	Document 3400
MH422	N&NC	3/16/2006	Copper	110			390	390	mg/kg-dw	0.3	0.3	Document 3400
MH422	N&NC	3/16/2006	Diesel Range Hydrocarbons	490			NA	NA				Document 3400
MH422	N&NC	3/16/2006	Di-n-butylphthalate	0.36	7.86	4.6	220	1700	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	3/16/2006	Di-n-octyl phthalate	1	7.86	12.7	58	4500	mg/kg-oc	0.2	0.0	Document 3400
MH422	N&NC	3/16/2006	Fluoranthene	6.6	7.86	84.0	160	1200	mg/kg-oc	0.5	0.1	Document 3400
MH422	N&NC	3/16/2006	Heavy Oil Range Hydrocarbons	1800			NA	NA				Document 3400
MH422	N&NC	3/16/2006	Hexachlorobutadiene	0.34	7.86	4.3	3.9	6.2	mg/kg-oc	1.1	0.7	Document 3400
MH422	N&NC	3/16/2006	Hexachlorocyclopentadiene	1.7			NA	NA				Document 3400
MH422	N&NC	3/16/2006	Hexachloroethane	0.34			NA	NA				Document 3400
MH422	N&NC	3/16/2006	Indeno(1,2,3-cd)pyrene	0.93	7.86	11.8	34	88	mg/kg-oc	0.3	0.1	Document 3400
MH422	N&NC	3/16/2006	Isophorone	0.34			NA	NA				Document 3400
MH422	N&NC	3/16/2006	Lead	97 J			450	530	mg/kg-dw	0.2	0.2	Document 3400
MH422	N&NC	3/16/2006	Mercury	0.93 J			0.41	0.59	mg/kg-dw	2.3	1.6	Document 3400
MH422	N&NC	3/16/2006	Naphthalene	0.34	7.86	4.3	99	170	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	3/16/2006	Nitrobenzene	0.34			NA	NA				Document 3400
MH422	N&NC	3/16/2006	N-nitroso-di-n-propylamine	1.7			NA	NA				Document 3400
MH422	N&NC	3/16/2006	PCBs, total	107	7.86	1361.3	12	65	mg/kg-oc	113.4	20.9	Document 3400
MH422	N&NC	3/16/2006	Phenanthrene	2.5	7.86	31.8	100	480	mg/kg-oc	0.3	0.1	Document 3400
MH422	N&NC	3/16/2006	Phenol	0.34			420	1200	ug/kg-dw	0.8	0.3	Document 3400
MH422	N&NC	3/16/2006	Pyrene	3.4	7.86	43.3	1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	3/16/2006	Zinc	435			410	960	mg/kg-dw	1.1	0.5	Document 3400
MH422	N&NC	10/11/2006	4-Methylphenol	0.42			670	670	ug/kg-dw	0.6	0.6	Document 3400
MH422	N&NC	10/11/2006	Anthracene	0.29			220	1200	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/11/2006	Aroclor 1254	110			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/11/2006	Arsenic	30			57	93	mg/kg-dw	0.5	0.3	Document 3400
MH422	N&NC	10/11/2006	Benzo(a)anthracene	1.6			110	270	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/11/2006	Benzo(a)pyrene	2.8			99	210	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/11/2006	Benzo(b)fluoranthene	3.2			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/11/2006	Benzo(g,h,i)perylene	2			31	78	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/11/2006	Benzo(k)fluoranthene	4.1			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/11/2006	bis(2-Ethylhexyl)phthalate	10			47	78	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/11/2006	Butylbenzylphthalate	1.2			4.9	64	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/11/2006	Chrysene	4.3			110	460	mg/kg-oc	0.0	0.0	Document 3400

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH422	N&NC	10/11/2006	Copper	325			390	390	mg/kg-dw	0.8	0.8	Document 3400
MH422	N&NC	10/11/2006	Dibenz(a,h)anthracene	0.7			12	33	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/11/2006	Di-n-octyl phthalate	1.5			58	4500	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/11/2006	Fluoranthene	7.7			160	1200	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/11/2006	Indeno(1,2,3-cd)pyrene	2			34	88	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/11/2006	Lead	216			450	530	mg/kg-dw	0.5	0.4	Document 3400
MH422	N&NC	10/11/2006	Mercury	8.3			0.41	0.59	mg/kg-dw	20.2	14.1	Document 3400
MH422	N&NC	10/11/2006	PCBs, total	110			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/11/2006	Phenanthrene	2.9			100	480	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/11/2006	Phenol	0.26			420	1200	ug/kg-dw	0.6	0.2	Document 3400
MH422	N&NC	10/11/2006	Pyrene	4.7			1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/11/2006	Zinc	1140			410	960	mg/kg-dw	2.8	1.2	Document 3400
MH422	N&NC	1/8/2007	2,4-Dimethylphenol	0.21			29	29	ug/kg-dw	7.2	7.2	Document 3400
MH422	N&NC	1/8/2007	4-Methylphenol	0.17			670	670	ug/kg-dw	0.3	0.3	Document 3400
MH422	N&NC	1/8/2007	Acenaphthene	0.09	3.45	2.6	16	57	mg/kg-oc	0.2	0.0	Document 3400
MH422	N&NC	1/8/2007	Anthracene	0.22	3.45	6.4	220	1200	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	1/8/2007	Aroclor 1254	260	3.45	7536.2	12	65	mg/kg-oc	628.0	115.9	Document 3400
MH422	N&NC	1/8/2007	Arsenic	9			57	93	mg/kg-dw	0.2	0.1	Document 3400
MH422	N&NC	1/8/2007	Benzo(a)anthracene	1.1	3.45	31.9	110	270	mg/kg-oc	0.3	0.1	Document 3400
MH422	N&NC	1/8/2007	Benzo(a)pyrene	1.4	3.45	40.6	99	210	mg/kg-oc	0.4	0.2	Document 3400
MH422	N&NC	1/8/2007	Benzo(b)fluoranthene	1.7	3.45	49.3	230	450	mg/kg-oc	0.2	0.1	Document 3400
MH422	N&NC	1/8/2007	Benzo(g,h,i)perylene	0.53	3.45	15.4	31	78	mg/kg-oc	0.5	0.2	Document 3400
MH422	N&NC	1/8/2007	Benzo(k)fluoranthene	1.6	3.45	46.4	230	450	mg/kg-oc	0.2	0.1	Document 3400
MH422	N&NC	1/8/2007	bis(2-Ethylhexyl)phtalate	1.2	3.45	34.8	47	78	mg/kg-oc	0.7	0.4	Document 3400
MH422	N&NC	1/8/2007	Chrysene	1.6	3.45	46.4	110	460	mg/kg-oc	0.4	0.1	Document 3400
MH422	N&NC	1/8/2007	Copper	133			390	390	mg/kg-dw	0.3	0.3	Document 3400
MH422	N&NC	1/8/2007	Dibenz(a,h)anthracene	0.12	3.45	3.5	12	33	mg/kg-oc	0.3	0.1	Document 3400
MH422	N&NC	1/8/2007	Diesel Range Hydrocarbons	350			NA	NA		#VALUE!	#VALUE!	Document 3400
MH422	N&NC	1/8/2007	Di-n-octyl phthalate	0.24	3.45	7.0	58	4500	mg/kg-oc	0.1	0.0	Document 3400
MH422	N&NC	1/8/2007	Fluoranthene	2.4	3.45	69.6	160	1200	mg/kg-oc	0.4	0.1	Document 3400
MH422	N&NC	1/8/2007	Fluorene	0.13	3.45	3.8	23	79	mg/kg-oc	0.2	0.0	Document 3400
MH422	N&NC	1/8/2007	Heavy Oil Range Hydrocarbons	930			NA	NA		#VALUE!	#VALUE!	Document 3400
MH422	N&NC	1/8/2007	Indeno(1,2,3-cd)pyrene	0.53	3.45	15.4	34	88	mg/kg-oc	0.5	0.2	Document 3400
MH422	N&NC	1/8/2007	Lead	159			450	530	mg/kg-dw	0.4	0.3	Document 3400
MH422	N&NC	1/8/2007	Mercury	3.65			0.41	0.59	mg/kg-dw	8.9	6.2	Document 3400
MH422	N&NC	1/8/2007	PCBs, total	260	3.45	7536.2	12	65	mg/kg-oc	628.0	115.9	Document 3400
MH422	N&NC	1/8/2007	Phenanthrene	1.2	3.45	34.8	100	480	mg/kg-oc	0.3	0.1	Document 3400
MH422	N&NC	1/8/2007	Pyrene	2.1	3.45	60.9	1000	1400	mg/kg-oc	0.1	0.0	Document 3400
MH422	N&NC	1/8/2007	Zinc	382			410	960	mg/kg-dw	0.9	0.4	Document 3400
MH422	N&NC	5/14/2007	Aroclor 1248	240			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	5/14/2007	Aroclor 1254	180			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	5/14/2007	Arsenic	20			57	93	mg/kg-dw	0.4	0.2	Document 3400
MH422	N&NC	5/14/2007	Benzo(a)anthracene	1.9			110	270	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	5/14/2007	Benzo(a)pyrene	2.6			99	210	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	5/14/2007	Benzo(b)fluoranthene	3.6			230	450	mg/kg-oc	0.0	0.0	Document 3400

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH422	N&NC	5/14/2007	Benzo(g,h,i)perylene	1.3			31	78	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	5/14/2007	Benzo(k)fluoranthene	3.4			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	5/14/2007	bis(2-Ethylhexyl)phthalate	9.8			47	78	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	5/14/2007	Chrysene	3			110	460	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	5/14/2007	Copper	123			390	390	mg/kg-dw	0.3	0.3	Document 3400
MH422	N&NC	5/14/2007	Diesel Range Hydrocarbons	710			NA	NA		#VALUE!	#VALUE!	Document 3400
MH422	N&NC	5/14/2007	Di-n-octyl phthalate	2.7			58	4500	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	5/14/2007	Fluoranthene	5.8			160	1200	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	5/14/2007	Heavy Oil Range Hydrocarbons	3500			NA	NA		#VALUE!	#VALUE!	Document 3400
MH422	N&NC	5/14/2007	Indeno(1,2,3-cd)pyrene	1.3			34	88	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	5/14/2007	Lead	227			450	530	mg/kg-dw	0.5	0.4	Document 3400
MH422	N&NC	5/14/2007	Mercury	2.66			0.41	0.59	mg/kg-dw	6.5	4.5	Document 3400
MH422	N&NC	5/14/2007	PCBs, total	420			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	5/14/2007	Phenanthrene	2.7			100	480	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	5/14/2007	Pyrene	3.9			1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	5/14/2007	Zinc	474			410	960	mg/kg-dw	1.2	0.5	Document 3400
MH422	N&NC	10/29/2007	Anthracene	0.12 J			220	1200	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/29/2007	Aroclor 1248	12			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/29/2007	Aroclor 1254	9.8			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/29/2007	Arsenic	6			57	93	mg/kg-dw	0.1	0.1	Document 3400
MH422	N&NC	10/29/2007	Benzo(a)anthracene	0.57 J			110	270	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/29/2007	Benzo(a)pyrene	0.83 J			99	210	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/29/2007	Benzo(b)fluoranthene	1.6 J			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/29/2007	Benzo(g,h,i)perylene	0.12 J			31	78	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/29/2007	Benzo(k)fluoranthene	1.1 J			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/29/2007	bis(2-Ethylhexyl)phthalate	2.9 J			47	78	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/29/2007	Butylbenzylphthalate	0.39 J			4.9	64	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/29/2007	Carbazole	0.24 J			NA	NA		#VALUE!	#VALUE!	Document 3400
MH422	N&NC	10/29/2007	Chrysene	1.2 J			110	460	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/29/2007	Copper	79.3			390	390	mg/kg-dw	0.2	0.2	Document 3400
MH422	N&NC	10/29/2007	Di-n-butylphthalate	0.22 J			220	1700	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/29/2007	Di-n-octyl phthalate	0.98 J			58	4500	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/29/2007	Fluoranthene	2.2 J			160	1200	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/29/2007	Indeno(1,2,3-cd)pyrene	0.3 J			34	88	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/29/2007	Lead	84			450	530	mg/kg-dw	0.2	0.2	Document 3400
MH422	N&NC	10/29/2007	Mercury	1.16 J			0.41	0.59	mg/kg-dw	2.8	2.0	Document 3400
MH422	N&NC	10/29/2007	PCBs, total	21.8			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/29/2007	Phenanthrene	0.95 J			100	480	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/29/2007	Pyrene	1.7 J			1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	10/29/2007	Zinc	313			410	960	mg/kg-dw	0.8	0.3	Document 3400
MH422	N&NC	3/18/2008	Acenaphthene	0.37	3.83	9.7	16	57	mg/kg-oc	0.6	0.2	Document 3400
MH422	N&NC	3/18/2008	Anthracene	0.51	3.83	13.3	220	1200	mg/kg-oc	0.1	0.0	Document 3400
MH422	N&NC	3/18/2008	Aroclor 1254	7.6	3.83	198.4	12	65	mg/kg-oc	16.5	3.1	Document 3400
MH422	N&NC	3/18/2008	Arsenic	19			57	93	mg/kg-dw	0.3	0.2	Document 3400
MH422	N&NC	3/18/2008	Benzo(a)anthracene	1.6	3.83	41.8	110	270	mg/kg-oc	0.4	0.2	Document 3400

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH422	N&NC	3/18/2008	Benzo(a)pyrene	1.9	3.83	49.6	99	210	mg/kg-oc	0.5	0.2	Document 3400
MH422	N&NC	3/18/2008	Benzo(b)fluoranthene	2.5	3.83	65.3	230	450	mg/kg-oc	0.3	0.1	Document 3400
MH422	N&NC	3/18/2008	Benzo(g,h,i)perylene	1.3	3.83	33.9	31	78	mg/kg-oc	1.1	0.4	Document 3400
MH422	N&NC	3/18/2008	Benzo(k)fluoranthene	1.8	3.83	47.0	230	450	mg/kg-oc	0.2	0.1	Document 3400
MH422	N&NC	3/18/2008	bis(2-Ethylhexyl)phthalate	2.2	3.83	57.4	47	78	mg/kg-oc	1.2	0.7	Document 3400
MH422	N&NC	3/18/2008	Butylbenzylphthalate	0.43	3.83	11.2	4.9	64	mg/kg-oc	2.3	0.2	Document 3400
MH422	N&NC	3/18/2008	Chrysene	2.5	3.83	65.3	110	460	mg/kg-oc	0.6	0.1	Document 3400
MH422	N&NC	3/18/2008	Copper	80.1			390	390	mg/kg-dw	0.2	0.2	Document 3400
MH422	N&NC	3/18/2008	Dibenz(a,h)anthracene	0.49	3.83	12.8	12	33	mg/kg-oc	1.1	0.4	Document 3400
MH422	N&NC	3/18/2008	Dibenzofuran	0.26	3.83	6.8	15	58	mg/kg-oc	0.5	0.1	Document 3400
MH422	N&NC	3/18/2008	Diesel Range Hydrocarbons	300			NA	NA		#VALUE!	#VALUE!	Document 3400
MH422	N&NC	3/18/2008	Di-n-butylphthalate	0.2	3.83	5.2	220	1700	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	3/18/2008	Di-n-octyl phthalate	0.47	3.83	12.3	58	4500	mg/kg-oc	0.2	0.0	Document 3400
MH422	N&NC	3/18/2008	Fluoranthene	5.6	3.83	146.2	160	1200	mg/kg-oc	0.9	0.1	Document 3400
MH422	N&NC	3/18/2008	Fluorene	0.49	3.83	12.8	23	79	mg/kg-oc	0.6	0.2	Document 3400
MH422	N&NC	3/18/2008	Heavy Oil Range Hydrocarbons	1100			NA	NA		#VALUE!	#VALUE!	Document 3400
MH422	N&NC	3/18/2008	Indeno(1,2,3-cd)pyrene	1.2	3.83	31.3	34	88	mg/kg-oc	0.9	0.4	Document 3400
MH422	N&NC	3/18/2008	Lead	90			450	530	mg/kg-dw	0.2	0.2	Document 3400
MH422	N&NC	3/18/2008	Mercury	0.43			0.41	0.59	mg/kg-dw	1.0	0.7	Document 3400
MH422	N&NC	3/18/2008	PCBs, total	7.6	3.83	198.4	12	65	mg/kg-oc	16.5	3.1	Document 3400
MH422	N&NC	3/18/2008	Phenanthrene	4.3	3.83	112.3	100	480	mg/kg-oc	1.1	0.2	Document 3400
MH422	N&NC	3/18/2008	Pyrene	3.8	3.83	99.2	1000	1400	mg/kg-oc	0.1	0.1	Document 3400
MH422	N&NC	3/18/2008	Zinc	717			410	960	mg/kg-dw	1.7	0.7	Document 3400
MH422	N&NC	7/30/2008	Aroclor 1254	10			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	7/30/2008	Arsenic	10			57	93	mg/kg-dw	0.2	0.1	Document 3400
MH422	N&NC	7/30/2008	Benzo(a)anthracene	0.86			110	270	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	7/30/2008	Benzo(a)pyrene	1.1			99	210	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	7/30/2008	Benzo(b)fluoranthene	1.6			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	7/30/2008	Benzo(g,h,i)perylene	1.1			31	78	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	7/30/2008	Benzo(k)fluoranthene	1.1			230	450	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	7/30/2008	bis(2-Ethylhexyl)phthalate	1.7			47	78	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	7/30/2008	Butylbenzylphthalate	0.48			4.9	64	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	7/30/2008	Chrysene	1.6			110	460	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	7/30/2008	Copper	142			390	390	mg/kg-dw	0.4	0.4	Document 3400
MH422	N&NC	7/30/2008	Dibenz(a,h)anthracene	0.23			12	33	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	7/30/2008	Di-n-octyl phthalate	0.55			58	4500	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	7/30/2008	Fluoranthene	3.4			160	1200	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	7/30/2008	Heavy Oil Range Hydrocarbons	470			NA	NA		#VALUE!	#VALUE!	Document 3400
MH422	N&NC	7/30/2008	Indeno(1,2,3-cd)pyrene	0.94			34	88	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	7/30/2008	Lead	190			450	530	mg/kg-dw	0.4	0.4	Document 3400
MH422	N&NC	7/30/2008	Mercury	2.64			0.41	0.59	mg/kg-dw	6.4	4.5	Document 3400
MH422	N&NC	7/30/2008	PCBs, total	10			12	65	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	7/30/2008	Phenanthrene	2			100	480	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	7/30/2008	Pyrene	2.6			1000	1400	mg/kg-oc	0.0	0.0	Document 3400
MH422	N&NC	7/30/2008	Zinc	563			410	960	mg/kg-dw	1.4	0.6	Document 3400

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH422	N&NC	12/3/2008	Anthracene	0.085	3.98	2.1	220	1200	mg/kg-oc	0.0	0.0	Document 3260
MH422	N&NC	12/3/2008	Aroclor 1254	19	3.98	477.4	12	65	mg/kg-oc	39.8	7.3	Document 3260
MH422	N&NC	12/3/2008	Benzo(a)anthracene	0.54	3.98	13.6	110	270	mg/kg-oc	0.1	0.1	Document 3260
MH422	N&NC	12/3/2008	Benzo(a)pyrene	0.76	3.98	19.1	99	210	mg/kg-oc	0.2	0.1	Document 3260
MH422	N&NC	12/3/2008	Benzo(b)fluoranthene	0.84	3.98	21.1	230	450	mg/kg-oc	0.1	0.0	Document 3260
MH422	N&NC	12/3/2008	Benzo(g,h,i)perylene	0.6	3.98	15.1	31	78	mg/kg-oc	0.5	0.2	Document 3260
MH422	N&NC	12/3/2008	Benzo(k)fluoranthene	0.92	3.98	23.1	230	450	mg/kg-oc	0.1	0.1	Document 3260
MH422	N&NC	12/3/2008	Benzoic Acid	2.6	3.98		650	650	ug/kg-dw	4.0	4.0	Document 3260
MH422	N&NC	12/3/2008	Benzyl Alcohol	0.2	3.98		57	73	ug/kg-dw	3.5	2.7	Document 3260
MH422	N&NC	12/3/2008	bis(2-Ethylhexyl)phthalate	2.3	3.98	57.8	47	78	mg/kg-oc	1.2	0.7	Document 3260
MH422	N&NC	12/3/2008	Butylbenzylphthalate	0.1	3.98	2.5	4.9	64	mg/kg-oc	0.5	0.0	Document 3260
MH422	N&NC	12/3/2008	Carbazole	0.21	3.98		NA	NA		#VALUE!	#VALUE!	Document 3260
MH422	N&NC	12/3/2008	Chrysene	0.97	3.98	24.4	110	460	mg/kg-oc	0.2	0.1	Document 3260
MH422	N&NC	12/3/2008	Copper	168	3.98		390	390	mg/kg-dw	0.4	0.4	Document 3260
MH422	N&NC	12/3/2008	Dibenz(a,h)anthracene	0.2	3.98	5.0	12	33	mg/kg-oc	0.4	0.2	Document 3260
MH422	N&NC	12/3/2008	Diesel Range Hydrocarbons	71	3.98		NA	NA		#VALUE!	#VALUE!	Document 3260
MH422	N&NC	12/3/2008	Di-n-octyl phthalate	0.44	3.98	11.1	58	4500	mg/kg-oc	0.2	0.0	Document 3260
MH422	N&NC	12/3/2008	Fluoranthene	1.9	3.98	47.7	160	1200	mg/kg-oc	0.3	0.0	Document 3260
MH422	N&NC	12/3/2008	Indeno(1,2,3-cd)pyrene	0.56	3.98	14.1	34	88	mg/kg-oc	0.4	0.2	Document 3260
MH422	N&NC	12/3/2008	Lead	215	3.98		450	530	mg/kg-dw	0.5	0.4	Document 3260
MH422	N&NC	12/3/2008	Mercury	0.33	3.98		0.41	0.59	mg/kg-dw	0.8	0.6	Document 3260
MH422	N&NC	12/3/2008	Motor Oil	450	3.98		NA	NA		#VALUE!	#VALUE!	Document 3260
MH422	N&NC	12/3/2008	PCBs, total	19	3.98	477.4	12	65	mg/kg-oc	39.8	7.3	Document 3260
MH422	N&NC	12/3/2008	Phenanthrene	0.77	3.98	19.3	100	480	mg/kg-oc	0.2	0.0	Document 3260
MH422	N&NC	12/3/2008	Pyrene	1.2	3.98	30.2	1000	1400	mg/kg-oc	0.0	0.0	Document 3260
MH422	N&NC	12/3/2008	Zinc	518	3.98		410	960	mg/kg-dw	1.3	0.5	Document 3260
MH427A	NC	12/30/2008	Aroclor 1254	0.11	3.22	3.4	12	65	mg/kg-oc	0.3	0.1	Document 2499
MH427A	NC	12/30/2008	Aroclor 1260	0.071	3.22	2.2	12	65	mg/kg-oc	0.2	0.0	Document 2499
MH427A	NC	12/30/2008	PCB, total	0.181	3.22	5.6	12	65	mg/kg-oc	0.5	0.1	Document 2499
MH428	NC	12/30/2008	Aroclor 1254	0.041	3.22	1.3	12	65	mg/kg-oc	0.1	0.0	Document 2499
MH428	NC	12/30/2008	PCB, total	0.041	3.22	1.3	12	65	mg/kg-oc	0.1	0.0	Document 2499
MH428A	NC	12/30/2008	Aroclor 1254	0.26	3.22	8.1	12	65	mg/kg-oc	0.7	0.1	Document 2499
MH428A	NC	12/30/2008	Aroclor 1260	0.13	3.22	4.0	12	65	mg/kg-oc	0.3	0.1	Document 2499
MH428A	NC	12/30/2008	PCBs, total	0.39	3.22	12.1	12	65	mg/kg-oc	1.0	0.2	Document 2499
MH443		9/26/1997	Aroclor 1254	1.2	3.22	37.3	12	65	mg/kg-oc	3.1	0.6	PCB Report
MH443		9/26/1997	PCB, total	1.2	3.22	37.3	12	65	mg/kg-oc	3.1	0.6	PCB Report
MH445A		7/26/2006	Benzo(a)anthracene	0.21	3.22	6.5	110	270	mg/kg-oc	0.1	0.0	no data
MH445A		7/26/2006	Benzo(a)pyrene	0.29	3.22	9.0	99	210	mg/kg-oc	0.1	0.0	no data
MH445A		7/26/2006	Benzo(b)fluoranthene	0.26	3.22	8.1	230	450	mg/kg-oc	0.0	0.0	no data
MH445A		7/26/2006	Benzo(g,h,i)perylene	0.16	3.22	5.0	31	78	mg/kg-oc	0.2	0.1	no data
MH445A		7/26/2006	Benzo(k)fluoranthene	0.32	3.22	9.9	230	450	mg/kg-oc	0.0	0.0	no data
MH445A		7/26/2006	bis(2-Ethylhexyl)phthalate	0.75	3.22	23.3	47	78	mg/kg-oc	0.5	0.3	no data
MH445A		7/26/2006	Chrysene	0.31	3.22	9.6	110	460	mg/kg-oc	0.1	0.0	no data
MH445A		7/26/2006	Di-n-Butylphthalate	0.46	3.22	14.3	220	1700	mg/kg-oc	0.1	0.0	no data
MH445A		7/26/2006	Fluoranthene	0.53	3.22	16.5	160	1200	mg/kg-oc	0.1	0.0	no data

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH445A		7/26/2006	Indeno(1,2,3-cd)pyrene	0.15	3.22	4.7	34	88	mg/kg-oc	0.1	0.1	no data
MH445A		7/26/2006	Phenanthrene	0.19	3.22	5.9	100	480	mg/kg-oc	0.1	0.0	no data
MH445A		7/26/2006	Pyrene	0.39	3.22	12.1	1000	1400	mg/kg-oc	0.0	0.0	no data
MH457A		4/11/2000	Aroclor 1254	4.182	3.22	129.9	12	65	mg/kg-oc	10.8	2.0	PCB Report
MH457A		4/11/2000	Aroclor 1260	2.182	3.22	67.8	12	65	mg/kg-oc	5.6	1.0	PCB Report
MH457A		4/11/2000	PCB, total	6.364	3.22	197.6	12	65	mg/kg-oc	16.5	3.0	PCB Report
MH461		12/2/1986	Aroclor 1248	5.1	3.22	158.4	12	65	mg/kg-oc	13.2	2.4	PCB Report
MH461		12/2/1986	Aroclor 1254	3.8	3.22	118.0	12	65	mg/kg-oc	9.8	1.8	PCB Report
MH461		12/2/1986	PCB, total	8.9	3.22	276.4	12	65	mg/kg-oc	23.0	4.3	PCB Report
MH461		7/15/1992	Aroclor 1254	1.7	3.22	52.8	12	65	mg/kg-oc	4.4	0.8	PCB Report
MH461		7/15/1992	Aroclor 1260	0.75	3.22	23.3	12	65	mg/kg-oc	1.9	0.4	PCB Report
MH461		7/15/1992	PCB, total	2.45	3.22	76.1	12	65	mg/kg-oc	6.3	1.2	PCB Report
MH482	S	7/15/1992	Aroclor 1016/1242	0.075	3.22	2.3	12	65	mg/kg-oc	0.2	0.0	PCB Report
MH482	S	7/15/1992	Aroclor 1248	0.075	3.22	2.3	12	65	mg/kg-oc	0.2	0.0	PCB Report
MH482	S	7/15/1992	Aroclor 1254	0.73	3.22	22.7	12	65	mg/kg-oc	1.9	0.3	PCB Report
MH482	S	7/15/1992	Aroclor 1260	0.55	3.22	17.1	12	65	mg/kg-oc	1.4	0.3	PCB Report
MH482	S	7/15/1992	PCB, total	1.28	3.22	39.8	12	65	mg/kg-oc	3.3	0.6	PCB Report
MH482	S	8/14/1998	Aroclor 1254	0.3	3.22	9.3	12	65	mg/kg-oc	0.8	0.1	PCB Report
MH482	S	8/14/1998	Aroclor 1262	0.22	3.22	6.8	12	65	mg/kg-oc	0.6	0.1	PCB Report
MH482	S	8/14/1998	PCB, total	0.52	3.22	16.1	12	65	mg/kg-oc	1.3	0.2	PCB Report
MH482	S	8/11/2005	Aroclor 1254	0.067			12	65	mg/kg-oc	0.0	0.0	Document 2360
MH482	S	8/11/2005	Aroclor 1260	0.11			12	65	mg/kg-oc	0.0	0.0	Document 2360
MH482	S	8/11/2005	PCBs, total	0.177			12	65	mg/kg-oc	0.0	0.0	Document 2360
MH482	S	3/15/2006	Aroclor 1254	0.19			12	65	mg/kg-oc	0.0	0.0	Document 2360
MH482	S	3/15/2006	Aroclor 1260	0.19			12	65	mg/kg-oc	0.0	0.0	Document 2360
MH482	S	3/15/2006	PCBs, total	0.38			12	65	mg/kg-oc	0.0	0.0	Document 2360
MH482	S	7/26/2006	Anthracene	0.52	3.22	16.1	220	1200	mg/kg-oc	0.1	0.0	no data
MH482	S	7/26/2006	Benzo(a)anthracene	2.8	3.22	87.0	110	270	mg/kg-oc	0.8	0.3	no data
MH482	S	7/26/2006	Benzo(a)pyrene	3.6	3.22	111.8	99	210	mg/kg-oc	1.1	0.5	no data
MH482	S	7/26/2006	Benzo(b)fluoranthene	3.6	3.22	111.8	230	450	mg/kg-oc	0.5	0.2	no data
MH482	S	7/26/2006	Benzo(g,h,i)perylene	1.7	3.22	52.8	31	78	mg/kg-oc	1.7	0.7	no data
MH482	S	7/26/2006	Benzo(k)fluoranthene	4.5	3.22	139.8	230	450	mg/kg-oc	0.6	0.3	no data
MH482	S	7/26/2006	bis(2-Ethylhexyl)phtalate	0.92	3.22	28.6	47	78	mg/kg-oc	0.6	0.4	no data
MH482	S	7/26/2006	Carbazole	0.65			NA	NA		#VALUE!	#VALUE!	no data
MH482	S	7/26/2006	Chrysene	4.4	3.22	136.6	110	460	mg/kg-oc	1.2	0.3	no data
MH482	S	7/26/2006	Dibenz(a,h)anthracene	0.37	3.22	11.5	12	33	mg/kg-oc	1.0	0.3	no data
MH482	S	7/26/2006	Fluoranthene	8.1	3.22	251.6	160	1200	mg/kg-oc	1.6	0.2	no data
MH482	S	7/26/2006	Indeno(1,2,3-cd)pyrene	1.8	3.22	55.9	34	88	mg/kg-oc	1.6	0.6	no data
MH482	S	7/26/2006	Phenanthrene	3.3	3.22	102.5	100	480	mg/kg-oc	1.0	0.2	no data
MH482	S	7/26/2006	Pyrene	5.6	3.22	173.9	1000	1400	mg/kg-oc	0.2	0.1	no data
MH482	S	10/6/2006	2-Methylnaphthalene	0.36	1.15	31.3	38	64	mg/kg-oc	0.8	0.5	Document 2360
MH482	S	10/6/2006	4-Methylphenol	0.82	1.15		670	670	ug/kg-dw	1.2	1.2	Document 2360
MH482	S	10/6/2006	Acenaphthene	0.57	1.15	49.6	16	57	mg/kg-oc	3.1	0.9	Document 2360
MH482	S	10/6/2006	Anthracene	0.83	1.15	72.2	220	1200	mg/kg-oc	0.3	0.1	Document 2360
MH482	S	10/6/2006	Benzo(a)anthracene	2.6	1.15	226.1	110	270	mg/kg-oc	2.1	0.8	Document 2360



**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH482	S	10/6/2006	Benzo(a)pyrene	4.2	1.15	365.2	99	210	mg/kg-oc	3.7	1.7	Document 2360
MH482	S	10/6/2006	Benzo(b)fluoranthene	6.9	1.15	600.0	230	450	mg/kg-oc	2.6	1.3	Document 2360
MH482	S	10/6/2006	Benzo(g,h,i)perylene	1.8	1.15	156.5	31	78	mg/kg-oc	5.0	2.0	Document 2360
MH482	S	10/6/2006	Benzo(k)fluoranthene	4.9	1.15	426.1	230	450	mg/kg-oc	1.9	0.9	Document 2360
MH482	S	10/6/2006	bis(2-Ethylhexyl)phthalate	4.1	1.15	356.5	47	78	mg/kg-oc	7.6	4.6	Document 2360
MH482	S	10/6/2006	Butylbenzylphthalate	0.5	1.15	43.5	4.9	64	mg/kg-oc	8.9	0.7	Document 2360
MH482	S	10/6/2006	Carbazole	1.3	1.15		NA	NA		#VALUE!	#VALUE!	Document 2360
MH482	S	10/6/2006	Chrysene	5.5	1.15	478.3	110	460	mg/kg-oc	4.3	1.0	Document 2360
MH482	S	10/6/2006	Copper	33.9	1.15		390	390	mg/kg-dw	0.1	0.1	Document 2360
MH482	S	10/6/2006	Dibenz(a,h)anthracene	0.78	1.15	67.8	12	33	mg/kg-oc	5.7	2.1	Document 2360
MH482	S	10/6/2006	Dibenzofuran	0.49	1.15	42.6	15	58	mg/kg-oc	2.8	0.7	Document 2360
MH482	S	10/6/2006	Diesel Range Hydrocarbons	120	1.15		NA	NA		#VALUE!	#VALUE!	Document 2360
MH482	S	10/6/2006	Di-n-octyl phthalate	0.19	1.15	16.5	58	4500	mg/kg-oc	0.3	0.0	Document 2360
MH482	S	10/6/2006	Fluoranthene	12	1.15	1043.5	160	1200	mg/kg-oc	6.5	0.9	Document 2360
MH482	S	10/6/2006	Fluorene	0.56	1.15	48.7	23	79	mg/kg-oc	2.1	0.6	Document 2360
MH482	S	10/6/2006	Indeno(1,2,3-cd)pyrene	2	1.15	173.9	34	88	mg/kg-oc	5.1	2.0	Document 2360
MH482	S	10/6/2006	Lead	41	1.15		450	530	mg/kg-dw	0.1	0.1	Document 2360
MH482	S	10/6/2006	Motor Oil	440	1.15		NA	NA		#VALUE!	#VALUE!	Document 2360
MH482	S	10/6/2006	Phenanthrene	6.2	1.15	539.1	100	480	mg/kg-oc	5.4	1.1	Document 2360
MH482	S	10/6/2006	Pyrene	7	1.15	608.7	1000	1400	mg/kg-oc	0.6	0.4	Document 2360
MH482	S	10/6/2006	Zinc	137	1.15		410	960	mg/kg-dw	0.3	0.1	Document 2360
MH482	S	1/9/2007	Aroclor 1254	0.15			12	65	mg/kg-oc	0.0	0.0	Document 2360
MH482	S	1/9/2007	Aroclor 1260	0.13			12	65	mg/kg-oc	0.0	0.0	Document 2360
MH482	S	1/9/2007	PCBs, total	0.28			12	65	mg/kg-oc	0.0	0.0	Document 2360
MH482	S	5/17/2007	Aroclor 1254	0.12	2.01	6.0	12	65	mg/kg-oc	0.5	0.1	Document 2360
MH482	S	5/17/2007	Aroclor 1260	0.11	2.01	5.5	12	65	mg/kg-oc	0.5	0.1	Document 2360
MH482	S	5/17/2007	PCBs, total	0.23	2.01	11.4	12	65	mg/kg-oc	1.0	0.2	Document 2360
MH483A	S	6/4/2000	Aroclor 1254	275.651	3.22	8560.6	12	65	mg/kg-oc	713.4	131.7	PCB Report
MH483A	S	6/4/2000	Aroclor 1260	65.85	3.22	2045.0	12	65	mg/kg-oc	170.4	31.5	PCB Report
MH483A	S	6/4/2000	PCB, total	341.501	3.22	10605.6	12	65	mg/kg-oc	883.8	163.2	PCB Report
MH483A	S	5/13/2005	Aroclor 1254	3.5	3.22	108.7	12	65	mg/kg-oc	9.1	1.7	no data
MH483A	S	5/13/2005	PCB, total	3.5	3.22	108.7	12	65	mg/kg-oc	9.1	1.7	no data
MH483F	S	8/14/1998	Aroclor 1254	0.25	3.22	7.8	12	65	mg/kg-oc	0.6	0.1	PCB Report
MH483F	S	8/14/1998	Aroclor 1262	0.19	3.22	5.9	12	65	mg/kg-oc	0.5	0.1	PCB Report
MH483F	S	8/14/1998	PCB, total	0.44	3.22	13.7	12	65	mg/kg-oc	1.1	0.2	PCB Report
MH483F	S	3/15/2007	Anthracene	0.15	3.22	4.7	220	1200	mg/kg-oc	0.0	0.0	no data
MH483F	S	3/15/2007	Aroclor 1254	0.044	3.22	1.4	12	65	mg/kg-oc	0.1	0.0	no data
MH483F	S	3/15/2007	Aroclor 1260	0.1	3.22	3.1	12	65	mg/kg-oc	0.3	0.0	no data
MH483F	S	3/15/2007	Benzo(a)anthracene	0.96	3.22	29.8	110	270	mg/kg-oc	0.3	0.1	no data
MH483F	S	3/15/2007	Benzo(a)pyrene	1.2	3.22	37.3	99	210	mg/kg-oc	0.4	0.2	no data
MH483F	S	3/15/2007	Benzo(b)fluoranthene	1.8	3.22	55.9	230	450	mg/kg-oc	0.2	0.1	no data
MH483F	S	3/15/2007	Benzo(g,h,i)perylene	0.6	3.22	18.6	31	78	mg/kg-oc	0.6	0.2	no data
MH483F	S	3/15/2007	Benzo(k)fluoranthene	1.2	3.22	37.3	230	450	mg/kg-oc	0.2	0.1	no data
MH483F	S	3/15/2007	bis(2-Ethylhexyl)phthalate	0.44	3.22	13.7	47	78	mg/kg-oc	0.3	0.2	no data
MH483F	S	3/15/2007	Carbazole	0.22			NA	NA		#VALUE!	#VALUE!	no data

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
MH483F	S	3/15/2007	Chrysene	1.4	3.22	43.5	110	460	mg/kg-oc	0.4	0.1	no data
MH483F	S	3/15/2007	Dibenz(a,h)anthracene	0.29	3.22	9.0	12	33	mg/kg-oc	0.8	0.3	no data
MH483F	S	3/15/2007	Di-n-Butylphthalate	0.079	B 3.22	2.5	220	1700	mg/kg-oc	0.0	0.0	no data
MH483F	S	3/15/2007	Fluoranthene	3	3.22	93.2	160	1200	mg/kg-oc	0.6	0.1	no data
MH483F	S	3/15/2007	Indeno(1,2,3-cd)pyrene	0.72	3.22	22.4	34	88	mg/kg-oc	0.7	0.3	no data
MH483F	S	3/15/2007	PCB, total	0.144	3.22	4.5	12	65	mg/kg-oc	0.4	0.1	no data
MH483F	S	3/15/2007	Phenanthrene	1.1	3.22	34.2	100	480	mg/kg-oc	0.3	0.1	no data
MH483F	S	3/15/2007	Pyrene	1.5	3.22	46.6	1000	1400	mg/kg-oc	0.0	0.0	no data
MH528		8/17/1998	Aroclor 1254	0.64	3.22	19.9	12	65	mg/kg-oc	1.7	0.3	PCB Report
MH528		8/17/1998	Aroclor 1260	2	3.22	62.1	12	65	mg/kg-oc	5.2	1.0	PCB Report
MH528		8/17/1998	PCB, total	2.64	3.22	82.0	12	65	mg/kg-oc	6.8	1.3	PCB Report
MH582		7/26/2006	Aroclor 1254	1.4	3.22	43.5	12	65	mg/kg-oc	3.6	0.7	no data
MH582		7/26/2006	PCB, total	1.4	3.22	43.5	12	65	mg/kg-oc	3.6	0.7	no data
MH642		8/10/2000	Aroclor 1254	9.6	3.22	298.1	12	65	mg/kg-oc	24.8	4.6	PCB Report
MH642		8/10/2000	Aroclor 1260	2.6	3.22	80.7	12	65	mg/kg-oc	6.7	1.2	PCB Report
MH642		8/10/2000	PCB, total	12	3.22	372.7	12	65	mg/kg-oc	31.1	5.7	PCB Report
MH643		9/24/1997	Aroclor 1254	0.2	3.22	6.2	12	65	mg/kg-oc	0.5	0.1	PCB Report
MH643		9/24/1997	PCB, total	0.2	3.22	6.2	12	65	mg/kg-oc	0.5	0.1	PCB Report
MH652	N	2/26/2007	Aroclor 1260	8.2	3.22	254.7	12	65	mg/kg-oc	21.2	3.9	no data
MH652	N	2/26/2007	PCB, total	8.2	3.22	254.7	12	65	mg/kg-oc	21.2	3.9	no data
MN109		5/1/2000	Aroclor 1254	0.8844	3.22	27.5	12	65	mg/kg-oc	2.3	0.4	PCB Report
MN109		5/1/2000	Aroclor 1260	1.484	3.22	46.1	12	65	mg/kg-oc	3.8	0.7	PCB Report
MN109		5/1/2000	PCB, total	2.368	3.22	73.5	12	65	mg/kg-oc	6.1	1.1	PCB Report
MN112		7/7/2000	Aroclor 1254	7.36	3.22	228.6	12	65	mg/kg-oc	19.0	3.5	PCB Report
MN112		7/7/2000	PCB, total	7.36	3.22	228.6	12	65	mg/kg-oc	19.0	3.5	PCB Report
NE bldg 3-325		5/23/1990	Total Petroleum Hydrocarbons	3800			NA	NA		#VALUE!	#VALUE!	Document 1423
OWS0A6		8/6/1998	Aroclor 1254	12	3.22	372.7	12	65	mg/kg-oc	31.1	5.7	PCB Report
OWS0A6		8/6/1998	Aroclor 1260	2.4	3.22	74.5	12	65	mg/kg-oc	6.2	1.1	PCB Report
OWS0A6		8/6/1998	PCB, total	14.4	3.22	447.2	12	65	mg/kg-oc	37.3	6.9	PCB Report
OWS132	N	10/8/1996	PCB, total	7	3.22	217.4	12	65	mg/kg-oc	18.1	3.3	PCB Report
OWS132	N	9/23/1997	Aroclor 1254	22	3.22	683.2	12	65	mg/kg-oc	56.9	10.5	PCB Report
OWS132	N	9/23/1997	PCB, total	22	3.22	683.2	12	65	mg/kg-oc	56.9	10.5	PCB Report
OWS132	N	8/10/1998	Aroclor 1254	11	3.22	341.6	12	65	mg/kg-oc	28.5	5.3	PCB Report
OWS132	N	8/10/1998	Aroclor 1260	2.5	3.22	77.6	12	65	mg/kg-oc	6.5	1.2	PCB Report
OWS132	N	8/10/1998	PCB, total	13.5	3.22	419.3	12	65	mg/kg-oc	34.9	6.5	PCB Report
OWS132	N	5/1/2000	Aroclor 1254	34.534	3.22	1072.5	12	65	mg/kg-oc	89.4	16.5	PCB Report
OWS132	N	5/1/2000	Aroclor 1260	12.333	3.22	383.0	12	65	mg/kg-oc	31.9	5.9	PCB Report
OWS132	N	5/1/2000	PCB, total	46.867	3.22	1455.5	12	65	mg/kg-oc	121.3	22.4	PCB Report
OWS132	N	9/26/2005	Aroclor 1254	12	3.22	372.7	12	65	mg/kg-oc	31.1	5.7	no data
OWS132	N	9/26/2005	PCB, total	12	3.22	372.7	12	65	mg/kg-oc	31.1	5.7	no data
OWS132	N	1/5/2006	Aroclor 1254	7.3	3.22	226.7	12	65	mg/kg-oc	18.9	3.5	no data
OWS132	N	1/5/2006	PCB, total	7.3	3.22	226.7	12	65	mg/kg-oc	18.9	3.5	no data
OWS132	N	3/15/2007	Aroclor 1248	4	3.22	124.2	12	65	mg/kg-oc	10.4	1.9	no data
OWS132	N	3/15/2007	Aroclor 1254	7.6	3.22	236.0	12	65	mg/kg-oc	19.7	3.6	no data
OWS132	N	3/15/2007	Aroclor 1260	2.7	3.22	83.9	12	65	mg/kg-oc	7.0	1.3	no data

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
OWS132	N	3/15/2007	PCB, total	10.3	3.22	319.9	12	65	mg/kg-oc	26.7	4.9	no data
OWS137		8/10/1998	Aroclor 1254	3.2	3.22	99.4	12	65	mg/kg-oc	8.3	1.5	PCB Report
OWS137		8/10/1998	Aroclor 1260	1.4	3.22	43.5	12	65	mg/kg-oc	3.6	0.7	PCB Report
OWS137		8/10/1998	PCB, total	4.6	3.22	142.9	12	65	mg/kg-oc	11.9	2.2	PCB Report
OWS137		8/16/2000	Aroclor 1254	3.8	3.22	118.0	12	65	mg/kg-oc	9.8	1.8	PCB Report
OWS137		8/16/2000	Aroclor 1260	2.8	3.22	87.0	12	65	mg/kg-oc	7.2	1.3	PCB Report
OWS137		8/16/2000	PCB, total	6.6	3.22	205.0	12	65	mg/kg-oc	17.1	3.2	PCB Report
OWS153	N	8/10/1998	Aroclor 1248	0.66	3.22	20.5	12	65	mg/kg-oc	1.7	0.3	PCB Report
OWS153	N	8/10/1998	Aroclor 1254	2.7	3.22	83.9	12	65	mg/kg-oc	7.0	1.3	PCB Report
OWS153	N	8/10/1998	Aroclor 1260	0.49	3.22	15.2	12	65	mg/kg-oc	1.3	0.2	PCB Report
OWS153	N	8/10/1998	PCB, total	3.85	3.22	119.6	12	65	mg/kg-oc	10.0	1.8	PCB Report
OWS153	N	3/23/2000	Aroclor 1254	6.2734	3.22	194.8	12	65	mg/kg-oc	16.2	3.0	PCB Report
OWS153	N	3/23/2000	Aroclor 1260	2.7065	3.22	84.1	12	65	mg/kg-oc	7.0	1.3	PCB Report
OWS153	N	3/23/2000	PCB, total	8.979	3.22	278.9	12	65	mg/kg-oc	23.2	4.3	PCB Report
OWS153	N	1/5/2006	Aroclor 1254	1	3.22	31.1	12	65	mg/kg-oc	2.6	0.5	no data
OWS153	N	1/5/2006	PCB, total	1	3.22	31.1	12	65	mg/kg-oc	2.6	0.5	no data
OWS186	N	8/7/1998	Aroclor 1242	180	3.22	5590.1	12	65	mg/kg-oc	465.8	86.0	PCB Report
OWS186	N	8/7/1998	Aroclor 1254	51	3.22	1583.9	12	65	mg/kg-oc	132.0	24.4	PCB Report
OWS186	N	8/7/1998	Aroclor 1260	2.9	3.22	90.1	12	65	mg/kg-oc	7.5	1.4	PCB Report
OWS186	N	8/7/1998	PCB, total	233.9	3.22	7264.0	12	65	mg/kg-oc	605.3	111.8	PCB Report
OWS186	N	5/4/2000	Aroclor 1248	199.134	3.22	6184.3	12	65	mg/kg-oc	515.4	95.1	PCB Report
OWS186	N	5/4/2000	PCB, total	199.134	3.22	6184.3	12	65	mg/kg-oc	515.4	95.1	PCB Report
OWS186	N	5/13/2005	Aroclor 1242	33	3.22	1024.8	12	65	mg/kg-oc	85.4	15.8	no data
OWS186	N	5/13/2005	PCB, total	33	3.22	1024.8	12	65	mg/kg-oc	85.4	15.8	no data
OWS186	N	9/26/2005	Aroclor 1242	38	3.22	1180.1	12	65	mg/kg-oc	98.3	18.2	no data
OWS186	N	9/26/2005	Aroclor 1254	11	3.22	341.6	12	65	mg/kg-oc	28.5	5.3	no data
OWS186	N	9/26/2005	PCB, total	49	3.22	1521.7	12	65	mg/kg-oc	126.8	23.4	no data
OWS186	N	7/25/2006	Aroclor 1248	470	3.22	14596.3	12	65	mg/kg-oc	1216.4	224.6	no data
OWS186	N	7/25/2006	Aroclor 1254	730	3.22	22670.8	12	65	mg/kg-oc	1889.2	348.8	no data
OWS186	N	7/25/2006	PCB, total	1200	3.22	37267.1	12	65	mg/kg-oc	3105.6	573.3	no data
OWS186	N	3/13/2007	Aroclor 1248	70	3.22	2173.9	12	65	mg/kg-oc	181.2	33.4	no data
OWS186	N	3/13/2007	Aroclor 1254	35	3.22	1087.0	12	65	mg/kg-oc	90.6	16.7	no data
OWS186	N	3/13/2007	PCB, total	105	3.22	3260.9	12	65	mg/kg-oc	271.7	50.2	no data
OWS1-C	S	6/3/2000	Aroclor 1254	7.862	3.22	244.2	12	65	mg/kg-oc	20.3	3.8	PCB Report
OWS1-C	S	6/3/2000	Aroclor 1260	3.092	3.22	96.0	12	65	mg/kg-oc	8.0	1.5	PCB Report
OWS1-C	S	6/3/2000	PCB, total	10.954	3.22	340.2	12	65	mg/kg-oc	28.3	5.2	PCB Report
OWS1-C	S	1/13/2006	Aroclor 1254	2.8	3.22	87.0	12	65	mg/kg-oc	7.2	1.3	no data
OWS1-C	S	1/13/2006	Aroclor 1260	1.9	3.22	59.0	12	65	mg/kg-oc	4.9	0.9	no data
OWS1-C	S	1/13/2006	PCB, total	4.7	3.22	146.0	12	65	mg/kg-oc	12.2	2.2	no data
OWS1-C	S	7/26/2006	Aroclor 1254	2.2	3.22	68.3	12	65	mg/kg-oc	5.7	1.1	no data
OWS1-C	S	7/26/2006	Benzo(a)anthracene	1.2	3.22	37.3	110	270	mg/kg-oc	0.3	0.1	no data
OWS1-C	S	7/26/2006	Benzo(a)pyrene	1.9	3.22	59.0	99	210	mg/kg-oc	0.6	0.3	no data
OWS1-C	S	7/26/2006	Benzo(b)fluoranthene	2.1	3.22	65.2	230	450	mg/kg-oc	0.3	0.1	no data
OWS1-C	S	7/26/2006	Benzo(g,h,i)perylene	1.4	3.22	43.5	31	78	mg/kg-oc	1.4	0.6	no data
OWS1-C	S	7/26/2006	Benzo(k)fluoranthene	2.8	3.22	87.0	230	450	mg/kg-oc	0.4	0.2	no data

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
OWS1-C	S	7/26/2006	bis(2-Ethylhexyl)phthalate	10	3.22	310.6	47	78	mg/kg-oc	6.6	4.0	no data
OWS1-C	S	7/26/2006	Butylbenzylphthalate	0.81	3.22	25.2	4.9	64	mg/kg-oc	5.1	0.4	no data
OWS1-C	S	7/26/2006	Chrysene	3.3	3.22	102.5	110	460	mg/kg-oc	0.9	0.2	no data
OWS1-C	S	7/26/2006	Di-n-octyl phthalate	34	3.22	1055.9	58	4500	mg/kg-oc	18.2	0.2	no data
OWS1-C	S	7/26/2006	Fluoranthene	8	3.22	248.4	160	1200	mg/kg-oc	1.6	0.2	no data
OWS1-C	S	7/26/2006	Indeno(1,2,3-cd)pyrene	1.1	3.22	34.2	34	88	mg/kg-oc	1.0	0.4	no data
OWS1-C	S	7/26/2006	PCB, total	2.2	3.22	68.3	12	65	mg/kg-oc	5.7	1.1	no data
OWS1-C	S	7/26/2006	Phenanthrene	2.9	3.22	90.1	100	480	mg/kg-oc	0.9	0.2	no data
OWS1-C	S	7/26/2006	Pyrene	4.4	3.22	136.6	1000	1400	mg/kg-oc	0.1	0.1	no data
OWS220A		5/4/2000	Aroclor 1248	1.0143	3.22	31.5	12	65	mg/kg-oc	2.6	0.5	PCB Report
OWS220A		5/4/2000	Aroclor 1260	2.1412	3.22	66.5	12	65	mg/kg-oc	5.5	1.0	PCB Report
OWS220A		5/4/2000	PCB, total	3.155	3.22	98.0	12	65	mg/kg-oc	8.2	1.5	PCB Report
OWS221	NC	12/30/2008	Aroclor 1254	1.5	3.22	46.6	12	65	mg/kg-oc	3.9	0.7	Document 2499
OWS221	NC	12/30/2008	Aroclor 1260	1.3	3.22	40.4	12	65	mg/kg-oc	3.4	0.6	Document 2499
OWS221	NC	12/30/2008	PCB, total	2.8	3.22	87.0	12	65	mg/kg-oc	7.2	1.3	Document 2499
OWS226A	NC	1/5/2006	Aroclor 1254	32	3.22	993.8	12	65	mg/kg-oc	82.8	15.3	no data
OWS226A	NC	1/5/2006	PCB, total	32	3.22	993.8	12	65	mg/kg-oc	82.8	15.3	no data
OWS226A	NC	7/25/2006	Aroclor 1248	5.4	3.22	167.7	12	65	mg/kg-oc	14.0	2.6	no data
OWS226A	NC	7/25/2006	Aroclor 1254	12	3.22	372.7	12	65	mg/kg-oc	31.1	5.7	no data
OWS226A	NC	7/25/2006	PCB, total	17.4	3.22	540.4	12	65	mg/kg-oc	45.0	8.3	no data
OWS226A	NC	3/14/2007	Aroclor 1254	7.4	3.22	229.8	12	65	mg/kg-oc	19.2	3.5	no data
OWS226A	NC	3/14/2007	Aroclor 1260	3.9	3.22	121.1	12	65	mg/kg-oc	10.1	1.9	no data
OWS226A	NC	3/14/2007	PCB, total	11.3	3.22	350.9	12	65	mg/kg-oc	29.2	5.4	no data
OWS231		8/6/1998	Aroclor 1254	18	3.22	559.0	12	65	mg/kg-oc	46.6	8.6	PCB Report
OWS231		8/6/1998	Aroclor 1260	4.8	3.22	149.1	12	65	mg/kg-oc	12.4	2.3	PCB Report
OWS231		8/6/1998	PCB, total	22.8	3.22	708.1	12	65	mg/kg-oc	59.0	10.9	PCB Report
OWS421	PS	8/12/1998	Aroclor 1254	0.25	3.22	7.8	12	65	mg/kg-oc	0.6	0.1	PCB Report
OWS421	PS	8/12/1998	PCB, total	0.25	3.22	7.8	12	65	mg/kg-oc	0.6	0.1	PCB Report
OWS421	PS	1/13/2006	Aroclor 1254	1.8	3.22	55.9	12	65	mg/kg-oc	4.7	0.9	no data
OWS421	PS	1/13/2006	Aroclor 1260	1.2	3.22	37.3	12	65	mg/kg-oc	3.1	0.6	no data
OWS421	PS	1/13/2006	PCB, total	3	3.22	93.2	12	65	mg/kg-oc	7.8	1.4	no data
OWS445D		8/13/1998	Aroclor 1254	1	3.22	31.1	12	65	mg/kg-oc	2.6	0.5	PCB Report
OWS445D		8/13/1998	Aroclor 1260	0.23	3.22	7.1	12	65	mg/kg-oc	0.6	0.1	PCB Report
OWS445D		8/13/1998	PCB, total	1.23	3.22	38.2	12	65	mg/kg-oc	3.2	0.6	PCB Report
OWS445D		4/11/2000	Aroclor 1254	1.566	3.22	48.6	12	65	mg/kg-oc	4.1	0.7	PCB Report
OWS445D		4/11/2000	Aroclor 1260	0.992	3.22	30.8	12	65	mg/kg-oc	2.6	0.5	PCB Report
OWS445D		4/11/2000	PCB, total	2.558	3.22	79.4	12	65	mg/kg-oc	6.6	1.2	PCB Report
OWS472A	NC	8/14/1998	Aroclor 1254	13	3.22	403.7	12	65	mg/kg-oc	33.6	6.2	PCB Report
OWS472A	NC	8/14/1998	PCB, total	13	3.22	403.7	12	65	mg/kg-oc	33.6	6.2	PCB Report
OWS472A	NC	1/5/2006	Aroclor 1254	5.6	3.22	173.9	12	65	mg/kg-oc	14.5	2.7	no data
OWS472A	NC	1/5/2006	PCB, total	5.6	3.22	173.9	12	65	mg/kg-oc	14.5	2.7	no data
OWS472A	NC	3/14/2007	Aroclor 1254	24	3.22	745.3	12	65	mg/kg-oc	62.1	11.5	no data
OWS472A	NC	3/14/2007	PCB, total	24	3.22	745.3	12	65	mg/kg-oc	62.1	11.5	no data
OWS483A	S	1/5/2006	Aroclor 1254	6.6	3.22	205.0	12	65	mg/kg-oc	17.1	3.2	no data
OWS483A	S	1/5/2006	PCB, total	6.6	3.22	205.0	12	65	mg/kg-oc	17.1	3.2	no data

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
OWS483B	S	9/25/1997	Aroclor 1254	110	3.22	3416.1	12	65	mg/kg-oc	284.7	52.6	PCB Report
OWS483B	S	9/25/1997	PCB, total	110	3.22	3416.1	12	65	mg/kg-oc	284.7	52.6	PCB Report
OWS483B	S	8/14/1998	Aroclor 1254	47	3.22	1459.6	12	65	mg/kg-oc	121.6	22.5	PCB Report
OWS483B	S	8/14/1998	Aroclor 1260	7	3.22	217.4	12	65	mg/kg-oc	18.1	3.3	PCB Report
OWS483B	S	8/14/1998	PCB, total	54	3.22	1677.0	12	65	mg/kg-oc	139.8	25.8	PCB Report
OWS483B	S	7/26/2006	Aroclor 1254	3.6	J 3.22	111.8	12	65	mg/kg-oc	9.3	1.7	no data
OWS483B	S	7/26/2006	Benzo(a)pyrene	4.9	3.22	152.2	99	210	mg/kg-oc	1.5	0.7	no data
OWS483B	S	7/26/2006	Benzo(b)fluoranthene	6.1	3.22	189.4	230	450	mg/kg-oc	0.8	0.4	no data
OWS483B	S	7/26/2006	Benzo(k)fluoranthene	6.9	3.22	214.3	230	450	mg/kg-oc	0.9	0.5	no data
OWS483B	S	7/26/2006	bis(2-Ethylhexyl)phthalate	42	3.22	1304.3	47	78	mg/kg-oc	27.8	16.7	no data
OWS483B	S	7/26/2006	Chrysene	9.7	3.22	301.2	110	460	mg/kg-oc	2.7	0.7	no data
OWS483B	S	7/26/2006	Fluoranthene	20	3.22	621.1	160	1200	mg/kg-oc	3.9	0.5	no data
OWS483B	S	7/26/2006	PCB, total	3.6	J 3.22	111.8	12	65	mg/kg-oc	9.3	1.7	no data
OWS483B	S	7/26/2006	Phenanthrene	12	3.22	372.7	100	480	mg/kg-oc	3.7	0.8	no data
OWS483B	S	7/26/2006	Pyrene	13	3.22	403.7	1000	1400	mg/kg-oc	0.4	0.3	no data
OWS483B	S	3/15/2007	2-Methylnaphthalene	1.4	3.22	43.5	38	64	mg/kg-oc	1.1	0.7	no data
OWS483B	S	3/15/2007	Acenaphthene	2.5	3.22	77.6	16	57	mg/kg-oc	4.9	1.4	no data
OWS483B	S	3/15/2007	Acenaphthylene	0.34	3.22	10.6	66	66	mg/kg-oc	0.2	0.2	no data
OWS483B	S	3/15/2007	Anthracene	2.6	3.22	80.7	220	1200	mg/kg-oc	0.4	0.1	no data
OWS483B	S	3/15/2007	Aroclor 1254	0.55	3.22	17.1	12	65	mg/kg-oc	1.4	0.3	no data
OWS483B	S	3/15/2007	Aroclor 1260	0.19	3.22	5.9	12	65	mg/kg-oc	0.5	0.1	no data
OWS483B	S	3/15/2007	Benzo(a)anthracene	8.6	3.22	267.1	110	270	mg/kg-oc	2.4	1.0	no data
OWS483B	S	3/15/2007	Benzo(a)pyrene	8.3	3.22	257.8	99	210	mg/kg-oc	2.6	1.2	no data
OWS483B	S	3/15/2007	Benzo(b)fluoranthene	12	3.22	372.7	230	450	mg/kg-oc	1.6	0.8	no data
OWS483B	S	3/15/2007	Benzo(g,h,i)perylene	2.6	3.22	80.7	31	78	mg/kg-oc	2.6	1.0	no data
OWS483B	S	3/15/2007	Benzo(k)fluoranthene	9.6	3.22	298.1	230	450	mg/kg-oc	1.3	0.7	no data
OWS483B	S	3/15/2007	bis(2-Ethylhexyl)phthalate	35	3.22	1087.0	47	78	mg/kg-oc	23.1	13.9	no data
OWS483B	S	3/15/2007	Butylbenzylphthalate	0.8	3.22	24.8	4.9	64	mg/kg-oc	5.1	0.4	no data
OWS483B	S	3/15/2007	Carbazole	3.9			NA	NA		#VALUE!	#VALUE!	no data
OWS483B	S	3/15/2007	Chrysene	12	3.22	372.7	110	460	mg/kg-oc	3.4	0.8	no data
OWS483B	S	3/15/2007	Dibenz(a,h)anthracene	1.2	3.22	37.3	12	33	mg/kg-oc	3.1	1.1	no data
OWS483B	S	3/15/2007	Dibenzofuran	1.8	3.22	55.9	15	58	mg/kg-oc	3.7	1.0	no data
OWS483B	S	3/15/2007	Dimethylphthalate	0.33	3.22	10.2	53	53	mg/kg-oc	0.2	0.2	no data
OWS483B	S	3/15/2007	Di-n-Butylphthalate	0.93	B 3.22	28.9	220	1700	mg/kg-oc	0.1	0.0	no data
OWS483B	S	3/15/2007	Di-n-octyl phthalate	4.6	3.22	142.9	58	4500	mg/kg-oc	2.5	0.0	no data
OWS483B	S	3/15/2007	Fluoranthene	40	3.22	1242.2	160	1200	mg/kg-oc	7.8	1.0	no data
OWS483B	S	3/15/2007	Fluorene	3.1	3.22	96.3	23	79	mg/kg-oc	4.2	1.2	no data
OWS483B	S	3/15/2007	Indeno(1,2,3-cd)pyrene	2.9	3.22	90.1	34	88	mg/kg-oc	2.6	1.0	no data
OWS483B	S	3/15/2007	Naphthalene	0.43	3.22	13.4	99	170	mg/kg-oc	0.1	0.1	no data
OWS483B	S	3/15/2007	PCB, total	0.74	3.22	23.0	12	65	mg/kg-oc	1.9	0.4	no data
OWS483B	S	3/15/2007	Phenanthrene	19	3.22	590.1	100	480	mg/kg-oc	5.9	1.2	no data
OWS483B	S	3/15/2007	Pyrene	16	3.22	496.9	1000	1400	mg/kg-oc	0.5	0.4	no data
OWS549		8/18/1998	Aroclor 1254	0.2	3.22	6.2	12	65	mg/kg-oc	0.5	0.1	PCB Report
OWS549		8/18/1998	PCB, total	0.2	3.22	6.2	12	65	mg/kg-oc	0.5	0.1	PCB Report
OWS549		4/24/2000	Aroclor 1254	1.157	3.22	35.9	12	65	mg/kg-oc	3.0	0.6	PCB Report

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
OWS549		4/24/2000	Aroclor 1260	1.35	3.22	41.9	12	65	mg/kg-oc	3.5	0.6	PCB Report
OWS549		4/24/2000	PCB, total	2.507	3.22	77.9	12	65	mg/kg-oc	6.5	1.2	PCB Report
OWS611		9/17/1997	Aroclor 1254	0.28	3.22	8.7	12	65	mg/kg-oc	0.7	0.1	PCB Report
OWS611		9/17/1997	PCB, total	0.28	3.22	8.7	12	65	mg/kg-oc	0.7	0.1	PCB Report
OWS612		5/4/2000	Aroclor 1248	3.902	3.22	121.2	12	65	mg/kg-oc	10.1	1.9	PCB Report
OWS612		5/4/2000	Aroclor 1260	2.805	3.22	87.1	12	65	mg/kg-oc	7.3	1.3	PCB Report
OWS612		5/4/2000	PCB, total	6.707	3.22	208.3	12	65	mg/kg-oc	17.4	3.2	PCB Report
OWS640	S	5/20/2000	Aroclor 1016/1242	0.63	3.22	19.6	12	65	mg/kg-oc	1.6	0.3	PCB Report
OWS640	S	5/20/2000	Aroclor 1254	1.55	3.22	48.1	12	65	mg/kg-oc	4.0	0.7	PCB Report
OWS640	S	5/20/2000	PCB, total	2.18	3.22	67.7	12	65	mg/kg-oc	5.6	1.0	PCB Report
OWS640	S	1/5/2006	Aroclor 1254	2.6	3.22	80.7	12	65	mg/kg-oc	6.7	1.2	no data
OWS640	S	1/5/2006	PCB, total	2.6	3.22	80.7	12	65	mg/kg-oc	6.7	1.2	no data
PS527		9/26/1997	Aroclor 1254	0.74	3.22	23.0	12	65	mg/kg-oc	1.9	0.4	PCB Report
PS527		9/26/1997	PCB, total	0.74	3.22	23.0	12	65	mg/kg-oc	1.9	0.4	PCB Report
S17		3/29/1984	PCBs, total	500	3.22	15528.0	12	65	mg/kg-oc	1294.0	238.9	
SPDT08-1		9/16/2008	Aroclor 1242	0.14	3.22	4.3	12	65	mg/kg-oc	0.4	0.1	Document 2109
SPDT08-1		9/16/2008	Aroclor 1254	0.8	3.22	24.8	12	65	mg/kg-oc	2.1	0.4	Document 2109
SPDT08-1		9/16/2008	Aroclor 1260	0.42	3.22	13.0	12	65	mg/kg-oc	1.1	0.2	Document 2109
SPDT08-1		9/16/2008	PCB, total	1.36	3.22	42.2	12	65	mg/kg-oc	3.5	0.6	Document 2109
SPDT08-2		9/16/2008	Aroclor 1242	0.18	3.22	5.6	12	65	mg/kg-oc	0.5	0.1	Document 2109
SPDT08-2		9/16/2008	Aroclor 1254	0.97	3.22	30.1	12	65	mg/kg-oc	2.5	0.5	Document 2109
SPDT08-2		9/16/2008	Aroclor 1260	0.55	3.22	17.1	12	65	mg/kg-oc	1.4	0.3	Document 2109
SPDT08-2		9/16/2008	PCB, total	1.7	3.22	52.8	12	65	mg/kg-oc	4.4	0.8	Document 2109
SPDT08-5		9/16/2008	Aroclor 1248	16	3.22	496.9	12	65	mg/kg-oc	41.4	7.6	Document 2109
SPDT08-5		9/16/2008	Aroclor 1254	12	3.22	372.7	12	65	mg/kg-oc	31.1	5.7	Document 2109
SPDT08-5		9/16/2008	PCB, total	28	3.22	869.6	12	65	mg/kg-oc	72.5	13.4	Document 2109
SPDT08-6		9/16/2008	Aroclor 1248	14	3.22	434.8	12	65	mg/kg-oc	36.2	6.7	Document 2109
SPDT08-6		9/16/2008	Aroclor 1254	10	3.22	310.6	12	65	mg/kg-oc	25.9	4.8	Document 2109
SPDT08-6		9/16/2008	PCB, total	24	3.22	745.3	12	65	mg/kg-oc	62.1	11.5	Document 2109
SPDT08-7		9/16/2008	Aroclor 1248	14	3.22	434.8	12	65	mg/kg-oc	36.2	6.7	Document 2109
SPDT08-7		9/16/2008	Aroclor 1254	9.4	3.22	291.9	12	65	mg/kg-oc	24.3	4.5	Document 2109
SPDT08-7		9/16/2008	PCB, total	23.4	3.22	726.7	12	65	mg/kg-oc	60.6	11.2	Document 2109
SWP3312		8/13/1998	Aroclor 1254	4.7	3.22	146.0	12	65	mg/kg-oc	12.2	2.2	PCB Report
SWP3312		8/13/1998	Aroclor 1260	0.73	3.22	22.7	12	65	mg/kg-oc	1.9	0.3	PCB Report
SWP3312		8/13/1998	PCB, total	5.43	3.22	168.6	12	65	mg/kg-oc	14.1	2.6	PCB Report
SWPA5A6		8/13/1998	Aroclor 1254	2	3.22	62.1	12	65	mg/kg-oc	5.2	1.0	PCB Report
SWPA5A6		8/13/1998	Aroclor 1260	0.91	3.22	28.3	12	65	mg/kg-oc	2.4	0.4	PCB Report
SWPA5A6		8/13/1998	PCB, total	2.91	3.22	90.4	12	65	mg/kg-oc	7.5	1.4	PCB Report
UNKNOWN 02		8/12/1982	Aroclor 1016/1242	0.007	3.22	0.2	12	65	mg/kg-oc	0.0	0.0	PCB Report
UNKNOWN 02		8/12/1982	Aroclor 1248	0.007	3.22	0.2	12	65	mg/kg-oc	0.0	0.0	PCB Report
UNKNOWN 02		8/12/1982	Aroclor 1254	0.055	3.22	1.7	12	65	mg/kg-oc	0.1	0.0	PCB Report
UNKNOWN 02		8/12/1982	Aroclor 1260	0.009	3.22	0.3	12	65	mg/kg-oc	0.0	0.0	PCB Report
UNKNOWN 02		8/12/1982	PCB, total	0.078	3.22	2.4	12	65	mg/kg-oc	0.2	0.0	PCB Report
UNKNOWN 07		4/4/1984	Aroclor 1016/1242	0.79	3.22	24.5	12	65	mg/kg-oc	2.0	0.4	PCB Report
UNKNOWN 07		4/4/1984	Aroclor 1248	0.79	3.22	24.5	12	65	mg/kg-oc	2.0	0.4	PCB Report

**Table G-1  
North Boeing Field: Storm Drain Solids Data**

Name	Drainage Basin	Date	Analyte	Conc'n (mg/kg DW)	TOC %	Con'n (mg/kg-OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor	Report_Name
UNKNOWN 07		4/4/1984	Aroclor 1254	7.9	3.22	245.3	12	65	mg/kg-oc	20.4	3.8	PCB Report
UNKNOWN 07		4/4/1984	Aroclor 1260	10.1	3.22	313.7	12	65	mg/kg-oc	26.1	4.8	PCB Report
UNKNOWN 07		4/4/1984	PCB, total	19.58	3.22	608.1	12	65	mg/kg-oc	50.7	9.4	PCB Report
UNKNOWN 10		5/14/1984	Aroclor 1016/1242	60	3.22	1863.4	12	65	mg/kg-oc	155.3	28.7	PCB Report
UNKNOWN 10		5/14/1984	Aroclor 1254	66	3.22	2049.7	12	65	mg/kg-oc	170.8	31.5	PCB Report
UNKNOWN 10		5/14/1984	PCB, total	126	3.22	3913.0	12	65	mg/kg-oc	326.1	60.2	PCB Report
UNKNOWN 11		5/14/1984	Aroclor 1016/1242	5.2	3.22	161.5	12	65	mg/kg-oc	13.5	2.5	PCB Report
UNKNOWN 11		5/14/1984	Aroclor 1254	9.9	3.22	307.5	12	65	mg/kg-oc	25.6	4.7	PCB Report
UNKNOWN 11		5/14/1984	PCB, total	15.1	3.22	468.9	12	65	mg/kg-oc	39.1	7.2	PCB Report
UNKNOWN 12		8/28/1984	PCB, total	1.6	3.22	49.7	12	65	mg/kg-oc	4.1	0.8	PCB Report
UNKNOWN 13		8/28/1984	Aroclor 1016/1242	440	3.22	13664.6	12	65	mg/kg-oc	1138.7	210.2	PCB Report
UNKNOWN 13		8/28/1984	PCB, total	440	3.22	13664.6	12	65	mg/kg-oc	1138.7	210.2	PCB Report
UNKNOWN 14		8/28/1984	Aroclor 1016/1242	3	3.22	93.2	12	65	mg/kg-oc	7.8	1.4	PCB Report
UNKNOWN 14		8/28/1984	Aroclor 1254	5.8	3.22	180.1	12	65	mg/kg-oc	15.0	2.8	PCB Report
UNKNOWN 14		8/28/1984	PCB, total	8.8	3.22	273.3	12	65	mg/kg-oc	22.8	4.2	PCB Report
UNKNOWN 15		8/28/1984	Aroclor 1016/1242	580	3.22	18012.4	12	65	mg/kg-oc	1501.0	277.1	PCB Report
UNKNOWN 15		8/28/1984	PCB, total	580	3.22	18012.4	12	65	mg/kg-oc	1501.0	277.1	PCB Report
UNKNOWN 16		8/28/1984	Aroclor 1016/1242	190	3.22	5900.6	12	65	mg/kg-oc	491.7	90.8	PCB Report
UNKNOWN 16		8/28/1984	Aroclor 1254	230	3.22	7142.9	12	65	mg/kg-oc	595.2	109.9	PCB Report
UNKNOWN 16		8/28/1984	PCB, total	420	3.22	13043.5	12	65	mg/kg-oc	1087.0	200.7	PCB Report
UNKNOWN 17		8/28/1984	Aroclor 1016/1242	90	3.22	2795.0	12	65	mg/kg-oc	232.9	43.0	PCB Report
UNKNOWN 17		8/28/1984	Aroclor 1254	270	3.22	8385.1	12	65	mg/kg-oc	698.8	129.0	PCB Report
UNKNOWN 17		8/28/1984	PCB, total	360	3.22	11180.1	12	65	mg/kg-oc	931.7	172.0	PCB Report
UNKNOWN 19		8/1/1985	PCB, total	11000	3.22	341614.9	12	65	mg/kg-oc	28467.9	5255.6	PCB Report
UNKNOWN 21		12/13/1985	PCB, total	0.03	3.22	0.9	12	65	mg/kg-oc	0.1	0.0	PCB Report
UNKNOWN 22		12/13/1985	PCB, total	0.07	3.22	2.2	12	65	mg/kg-oc	0.2	0.0	PCB Report
UNKNOWN 23		12/2/1986	Aroclor 1248	2.1	3.22	65.2	12	65	mg/kg-oc	5.4	1.0	PCB Report
UNKNOWN 23		12/2/1986	Aroclor 1254	2.8	3.22	87.0	12	65	mg/kg-oc	7.2	1.3	PCB Report
UNKNOWN 23		12/2/1986	PCB, total	4.9	3.22	152.2	12	65	mg/kg-oc	12.7	2.3	PCB Report
UNKNOWN 26		7/17/1992	Aroclor 1254	0.83	3.22	25.8	12	65	mg/kg-oc	2.1	0.4	PCB Report
UNKNOWN 26		7/17/1992	Aroclor 1260	0.93	3.22	28.9	12	65	mg/kg-oc	2.4	0.4	PCB Report
UNKNOWN 26		7/17/1992	PCB, total	1.76	3.22	54.7	12	65	mg/kg-oc	4.6	0.8	PCB Report
UNKNOWN 27		7/17/1992	Aroclor 1016/1242	6.5	3.22	201.9	12	65	mg/kg-oc	16.8	3.1	PCB Report
UNKNOWN 27		7/17/1992	Aroclor 1254	6.9	3.22	214.3	12	65	mg/kg-oc	17.9	3.3	PCB Report
UNKNOWN 27		7/17/1992	Aroclor 1260	2.8	3.22	87.0	12	65	mg/kg-oc	7.2	1.3	PCB Report
UNKNOWN 27		7/17/1992	PCB, total	16.2	3.22	503.1	12	65	mg/kg-oc	41.9	7.7	PCB Report
UNKNOWN 28		8/18/1992	Aroclor 1254	3.3	3.22	102.5	12	65	mg/kg-oc	8.5	1.6	PCB Report
UNKNOWN 28		8/18/1992	PCB, total	3.3	3.22	102.5	12	65	mg/kg-oc	8.5	1.6	PCB Report
UNKNOWN 32		10/18/1996	Aroclor 1254	13	3.22	403.7	12	65	mg/kg-oc	33.6	6.2	PCB Report
UNKNOWN 32		10/18/1996	PCB, total	13	3.22	403.7	12	65	mg/kg-oc	33.6	6.2	PCB Report



**Appendix H**  
**North Boeing Field**  
**Former Fire Training Center**

**Soil and Groundwater Data**



**Table H-1**  
**North Boeing Field - Fire Training Center**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
B1(0.5-1.0)	7/1/1992	0.5	Diesel Range Hydrocarbons	14	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B1(8.0-9.0)	7/1/1992	8	Nickel	5	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B1(8.0-9.0)	7/1/1992	8	4-Methylphenol (p-cresol)	0.07 U	400	B, NC	No	<1	0.056	S	RLE	1.3	Landau 10/26/92*
B1(8.0-9.0)	7/1/1992	8	Acenaphthene	0.07 U	4800	B, NC	No	<1	0.060	S	RLE	1.2	Landau 10/26/92*
B1(8.0-9.0)	7/1/1992	8	Dibenzofuran	0.07 U	160	B, NC	No	<1	0.059	S	RLE	1.2	Landau 10/26/92*
B1(8.0-9.0)	7/1/1992	8	Mercury	0.1 U	2	A	No	<1	0.030	S	RLE	3.3	Landau 10/26/92*
B1(8.0-9.0)	7/1/1992	8	PCB, total	0.32 U	0.5	B, Carc	No	<1	0.065	S	RLE	4.9	Landau 10/26/92*
B1(8.0-9.0)	7/1/1992	8	Phenol	0.14 U	48000	B, NC	No	<1	0.12	S	RLE	1.2	Landau 10/26/92*
B1(8.0-9.0)	7/1/1992	8	Chromium	11.7	19	A, Chromium VI	No	<1	270	S	No	<1	Landau 10/26/92*
B1(8.0-9.0)	7/1/1992	8	Copper	17.4	3000	B, NC	No	<1	39	S	No	<1	Landau 10/26/92*
B1(8.0-9.0)	7/1/1992	8	Lead	4	1000	A	No	<1	67	S	No	<1	Landau 10/26/92*
B1(8.0-9.0)	7/1/1992	8	Zinc	22.6	24000	B, NC	No	<1	38	S	No	<1	Landau 10/26/92*
B1(8.0-9.0)	7/1/1992	8	Arsenic	6 U	0.67	B, Carc	RLE	9.0	590	S	No	<1	Landau 10/26/92*
B10(0.5-1.0)	7/1/1992	0.5	PCB, total	0.4	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 10/26/92*
B10(2.5-3.0)	7/1/1992	2.5	Nickel	19	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B10(2.5-3.0)	7/1/1992	2.5	Cadmium	0.3	2	A	No	<1	34	V	No	<1	Landau 10/26/92*
B10(2.5-3.0)	7/1/1992	2.5	Copper	28.1	3000	B, NC	No	<1	780	V	No	<1	Landau 10/26/92*
B10(2.5-3.0)	7/1/1992	2.5	Lead	21	1000	A	No	<1	1300	V	No	<1	Landau 10/26/92*
B10(2.5-3.0)	7/1/1992	2.5	Mercury	0.1	2	A	No	<1	0.59	V	No	<1	Landau 10/26/92*
B10(2.5-3.0)	7/1/1992	2.5	Zinc	84.9	24000	B, NC	No	<1	770	V	No	<1	Landau 10/26/92*
B10(2.5-3.0)	7/1/1992	2.5	Beryllium	0.1	160	B, NC	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B10(2.5-3.0)	7/1/1992	2.5	Diesel Range Hydrocarbons	41	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B10(2.5-3.0)	7/1/1992	2.5	Arsenic	5 U	0.67	B, Carc	RLE	7.5	12000	V	No	<1	Landau 10/26/92*
B10(2.5-3.0)	7/1/1992	2.5	Chromium	23.3	19	A, Chromium VI	Yes	1.2	5400	V	No	<1	Landau 10/26/92*
B10(8.5-9.0)	7/1/1992	8.5	Methylene Chloride	0.0044	0.02	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	Benzo(g,h,i)perylene	0.078 J	NA	NA	NA	NA	0.078	S	No	1.0	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	Chrysene	0.056 J	NA	NA	NA	NA	0.46	S	No	<1	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	Indeno(1,2,3-cd)pyrene	0.082 J	NA	NA	NA	NA	0.088	S	No	<1	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	Acenaphthylene	0.082 U	NA	NA	NA	NA	0.069	S	RLE	1.2	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	Benzo(b,k)fluoranthene	0.13	NA	NA	NA	NA	0.45	S	No	<1	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	Phenanthrene	0.12	NA	NA	NA	NA	0.49	S	No	<1	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	Benzo(a)pyrene	0.071 J	0.137	B, Carc	No	<1	0.21	S	No	<1	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	Phenol	0.089 J	48000	B, NC	No	<1	0.12	S	No	<1	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	Acenaphthene	0.082 U	4800	B, NC	No	<1	0.060	S	RLE	1.4	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	Dibenzofuran	0.082 U	160	B, NC	No	<1	0.059	S	RLE	1.4	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	PCB, total	0.32 U	0.5	B, Carc	No	<1	0.065	S	RLE	4.9	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	2-Methyl naphthalene	0.38	320	B, NC	No	<1	0.073	S	Yes	5.2	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	4-Methylphenol (p-cresol)	0.31	400	B, NC	No	<1	0.056	S	Yes	5.5	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	bis(2-Ethylhexyl)phthalate	1.9	71	B, Carc	No	<1	0.078	S	Yes	24	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	Butylbenzylphthalate	0.11	16000	B, NC	No	<1	0.078	S	Yes	1.4	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	Naphthalene	0.28	5	A	No	<1	0.20	S	Yes	1.4	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	Di-n-octyl phthalate	0.14	16000	B, NC	No	<1	4.5	S	No	<1	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	Fluoranthene	0.11	3200	B, NC	No	<1	1.2	S	No	<1	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	Pyrene	0.13	2400	B, NC	No	<1	1.4	S	No	<1	Landau 10/26/92*
B10(9.0-9.5)	7/1/1992	9	PAHs, total carcinogenic	0.093	0.14	B, Carc	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B11(0.5-1.5)	7/1/1992	0.5	Phenanthrene	0.033 J	NA	NA	NA	NA	9.7	V	No	<1	Landau 10/26/92*
B11(0.5-1.5)	7/1/1992	0.5	Nickel	17	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B11(0.5-1.5)	7/1/1992	0.5	bis(2-Ethylhexyl)phthalate	0.05 J	71	B, Carc	No	<1	1.6	V	No	<1	Landau 10/26/92*
B11(0.5-1.5)	7/1/1992	0.5	Fluoranthene	0.035 J	3200	B, NC	No	<1	24	V	No	<1	Landau 10/26/92*
B11(0.5-1.5)	7/1/1992	0.5	Pyrene	0.033 J	2400	B, NC	No	<1	28	V	No	<1	Landau 10/26/92*
B11(0.5-1.5)	7/1/1992	0.5	Cadmium	0.4	2	A	No	<1	34	V	No	<1	Landau 10/26/92*
B11(0.5-1.5)	7/1/1992	0.5	Copper	40.8	3000	B, NC	No	<1	780	V	No	<1	Landau 10/26/92*

**Table H-1**  
**North Boeing Field - Fire Training Center**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet) bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
B11(0.5-1.5)	7/1/1992	0.5	Lead	111	1000	A	No	<1	1300	V	No	<1	Landau 10/26/92*
B11(0.5-1.5)	7/1/1992	0.5	Mercury	0.1	2	A	No	<1	0.59	V	No	<1	Landau 10/26/92*
B11(0.5-1.5)	7/1/1992	0.5	Zinc	54	24000	B, NC	No	<1	770	V	No	<1	Landau 10/26/92*
B11(0.5-1.5)	7/1/1992	0.5	Beryllium	0.3	160	B, NC	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B11(0.5-1.5)	7/1/1992	0.5	Diesel Range Hydrocarbons	14	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B11(0.5-1.5)	7/1/1992	0.5	Methylene Chloride	0.0044	0.02	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B11(0.5-1.5)	7/1/1992	0.5	Toluene	0.009	7	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B11(0.5-1.5)	7/1/1992	0.5	Arsenic	5 U	0.67	B, Carc	RLE	7.5	12000	V	No	<1	Landau 10/26/92*
B11(0.5-1.5)	7/1/1992	0.5	Chromium	20.6	19	A, Chromium VI	Yes	1.1	5400	V	No	<1	Landau 10/26/92*
B11(4.0-4.5)	7/1/1992	4	Acenaphthylene	2.9 U	NA	NA	NA	NA	1.4	V	RLE	2.1	Landau 10/26/92*
B11(4.0-4.5)	7/1/1992	4	Benzo(g,h,i)perylene	2.9 U	NA	NA	NA	NA	1.6	V	RLE	1.8	Landau 10/26/92*
B11(4.0-4.5)	7/1/1992	4	Indeno(1,2,3-cd)pyrene	2.9 U	NA	NA	NA	NA	1.8	V	RLE	1.6	Landau 10/26/92*
B11(4.0-4.5)	7/1/1992	4	Dibutyl Phenyl Phosphate (DBPP)	18	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B11(4.0-4.5)	7/1/1992	4	Tributyl Phosphate (TBP)	96	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B11(4.0-4.5)	7/1/1992	4	bis(2-Ethylhexyl)phthalate	7.2 J	71	B, Carc	No	<1	1.6	V	Yes	4.5	Landau 10/26/92*
B11(4.0-4.5)	7/1/1992	4	Pyrene	1.5 J	2400	B, NC	No	<1	28	V	No	<1	Landau 10/26/92*
B11(4.0-4.5)	7/1/1992	4	2-Methyl naphthalene	2.9 U	320	B, NC	No	<1	1.4	V	RLE	2.1	Landau 10/26/92*
B11(4.0-4.5)	7/1/1992	4	4-Methylphenol (p-cresol)	2.9 U	400	B, NC	No	<1	0.98	V	RLE	3.0	Landau 10/26/92*
B11(4.0-4.5)	7/1/1992	4	Acenaphthene	2.9 U	4800	B, NC	No	<1	1.2	V	RLE	2.4	Landau 10/26/92*
B11(4.0-4.5)	7/1/1992	4	Butylbenzylphthalate	2.9 U	16000	B, NC	No	<1	1.3	V	RLE	2.2	Landau 10/26/92*
B11(4.0-4.5)	7/1/1992	4	Dibenzofuran	2.9 U	160	B, NC	No	<1	1.2	V	RLE	2.4	Landau 10/26/92*
B11(4.0-4.5)	7/1/1992	4	Fluorene	2.9 U	3200	B, NC	No	<1	1.6	V	RLE	1.8	Landau 10/26/92*
B11(4.0-4.5)	7/1/1992	4	Phenol	5.7 U	48000	B, NC	No	<1	2.1	V	RLE	2.7	Landau 10/26/92*
B11(4.0-4.5)	7/1/1992	4	Benzo(a)pyrene	2.9 U	0.137	B, Carc	RLE	21	4.2	V	No	<1	Landau 10/26/92*
B11(4.0-4.5)	7/1/1992	4	Methylene Chloride	1.4 U	0.02	A	RLE	70	NA	NA	NA	NA	Landau 10/26/92*
B11(4.0-4.5)	7/1/1992	4	PCB, total	0.93 J	0.5	B, Carc	Yes	1.9	1.3	V	No	<1	Landau 10/26/92*
B11(5.5-6.0)	7/1/1992	5.5	Butyl Diphenyl Phosphate (BDPP)	11	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B11(5.5-6.0)	7/1/1992	5.5	Dibutyl Phenyl Phosphate (DBPP)	55	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B11(5.5-6.0)	7/1/1992	5.5	Tributyl Phosphate (TBP)	84	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B11(5.5-6.0)	7/1/1992	5.5	Diesel Range Hydrocarbons	25000	2000	A	Yes	13	NA	NA	NA	NA	Landau 10/26/92*
B11(7.0-7.5)	7/1/1992	7	PCB, total	0.32 J	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 10/26/92*
B11(7.0-7.5)	7/1/1992	7	Diesel Range Hydrocarbons	1000	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B11(7.0-7.5)	7/1/1992	7	MEK (2-Butanone)	0.99	48000	B, NC	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B11(7.0-7.5)	7/1/1992	7	Methylene Chloride	1.8	0.02	A	Yes	90	NA	NA	NA	NA	Landau 10/26/92*
B12(0.5-1.5)	7/1/1992	0.5	PCB, total	0.32	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 10/26/92*
B12(5.5)	7/1/1992	5.5	Diesel Range Hydrocarbons	9500	2000	A	Yes	4.8	NA	NA	NA	NA	Landau 10/26/92*
B12(7.0-7.5)	7/1/1992	7	Methylene Chloride	0.0085 J	0.02	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B13(5.5-6.0)	7/1/1992	5.5	Nickel	46	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B13(5.5-6.0)	7/1/1992	5.5	Cadmium	0.5	2	A	No	<1	34	V	No	<1	Landau 10/26/92*
B13(5.5-6.0)	7/1/1992	5.5	Chromium	16.3	19	A, Chromium VI	No	<1	5400	V	No	<1	Landau 10/26/92*
B13(5.5-6.0)	7/1/1992	5.5	Copper	96.7	3000	B, NC	No	<1	780	V	No	<1	Landau 10/26/92*
B13(5.5-6.0)	7/1/1992	5.5	Lead	55	1000	A	No	<1	1300	V	No	<1	Landau 10/26/92*
B13(5.5-6.0)	7/1/1992	5.5	Mercury	0.2	2	A	No	<1	0.59	V	No	<1	Landau 10/26/92*
B13(5.5-6.0)	7/1/1992	5.5	Zinc	101	24000	B, NC	No	<1	770	V	No	<1	Landau 10/26/92*
B13(5.5-6.0)	7/1/1992	5.5	Beryllium	1.6	160	B, NC	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B13(5.5-6.0)	7/1/1992	5.5	Arsenic	10	0.67	B, Carc	Yes	15	12000	V	No	<1	Landau 10/26/92*
B13(6.0-6.5)	7/1/1992	6	Phenanthrene	0.29 J	NA	NA	NA	NA	9.7	V	No	<1	Landau 10/26/92*
B13(6.0-6.5)	7/1/1992	6	Tributyl Phosphate (TBP)	2.2 M	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B13(6.0-6.5)	7/1/1992	6	bis(2-Ethylhexyl)phthalate	0.39 J	71	B, Carc	No	<1	1.6	V	No	<1	Landau 10/26/92*
B13(6.0-6.5)	7/1/1992	6	Fluorene	0.24 J	3200	B, NC	No	<1	1.6	V	No	<1	Landau 10/26/92*
B13(6.0-6.5)	7/1/1992	6	Benzo(a)pyrene	0.35 U	0.137	B, Carc	RLE	2.6	4.2	V	No	<1	Landau 10/26/92*
B13(6.0-6.5)	7/1/1992	6	Methylene Chloride	0.33 U	0.02	A	RLE	17	NA	NA	NA	NA	Landau 10/26/92*

**Table H-1**  
**North Boeing Field - Fire Training Center**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet) bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
B13(6.0-6.5)	7/1/1992	6	Diesel Range Hydrocarbons	8800	2000	A	Yes	4.4	NA	NA	NA	NA	Landau 10/26/92*
B2(0.5-1.0)	7/1/1992	0.5	Nickel	29	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B2(0.5-1.0)	7/1/1992	0.5	Cadmium	0.3	2	A	No	<1	34	V	No	<1	Landau 10/26/92*
B2(0.5-1.0)	7/1/1992	0.5	Chromium	15	19	A, Chromium VI	No	<1	5400	V	No	<1	Landau 10/26/92*
B2(0.5-1.0)	7/1/1992	0.5	Copper	43.1	3000	B, NC	No	<1	780	V	No	<1	Landau 10/26/92*
B2(0.5-1.0)	7/1/1992	0.5	Lead	22	1000	A	No	<1	1300	V	No	<1	Landau 10/26/92*
B2(0.5-1.0)	7/1/1992	0.5	Mercury	0.2	2	A	No	<1	0.59	V	No	<1	Landau 10/26/92*
B2(0.5-1.0)	7/1/1992	0.5	Zinc	28.3	24000	B, NC	No	<1	770	V	No	<1	Landau 10/26/92*
B2(0.5-1.0)	7/1/1992	0.5	Beryllium	0.7	160	B, NC	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B2(0.5-1.0)	7/1/1992	0.5	Diesel Range Hydrocarbons	90	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B2(0.5-1.0)	7/1/1992	0.5	Arsenic	6 U	0.67	B, Carc	RLE	9.0	12000	V	No	<1	Landau 10/26/92*
B2(7.0-7.5)	7/1/1992	7	Methylene Chloride	0.0096	0.02	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B3(0.0-1.0)	7/1/1992	0	Diesel Range Hydrocarbons	260	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B3(0.0-1.0)	7/1/1992	0	Gasoline Range Hydrocarbons	15	30	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B3(7.5-8.5)	7/1/1992	7.5	Nickel	5	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B3(7.5-8.5)	7/1/1992	7.5	4-Methylphenol (p-cresol)	0.07 U	400	B, NC	No	<1	0.056	S	RLE	1.3	Landau 10/26/92*
B3(7.5-8.5)	7/1/1992	7.5	Acenaphthene	0.07 U	4800	B, NC	No	<1	0.060	S	RLE	1.2	Landau 10/26/92*
B3(7.5-8.5)	7/1/1992	7.5	Dibenzofuran	0.07 U	160	B, NC	No	<1	0.059	S	RLE	1.2	Landau 10/26/92*
B3(7.5-8.5)	7/1/1992	7.5	Mercury	0.05 U	2	A	No	<1	0.030	S	RLE	1.7	Landau 10/26/92*
B3(7.5-8.5)	7/1/1992	7.5	PCB, total	0.32 U	0.5	B, Carc	No	<1	0.065	S	RLE	4.9	Landau 10/26/92*
B3(7.5-8.5)	7/1/1992	7.5	Phenol	0.14 U	48000	B, NC	No	<1	0.12	S	RLE	1.2	Landau 10/26/92*
B3(7.5-8.5)	7/1/1992	7.5	Chromium	10.2	19	A, Chromium VI	No	<1	270	S	No	<1	Landau 10/26/92*
B3(7.5-8.5)	7/1/1992	7.5	Copper	15.2	3000	B, NC	No	<1	39	S	No	<1	Landau 10/26/92*
B3(7.5-8.5)	7/1/1992	7.5	Lead	5	1000	A	No	<1	67	S	No	<1	Landau 10/26/92*
B3(7.5-8.5)	7/1/1992	7.5	Zinc	22.6	24000	B, NC	No	<1	38	S	No	<1	Landau 10/26/92*
B3(7.5-8.5)	7/1/1992	7.5	Arsenic	6 U	0.67	B, Carc	RLE	9.0	590	S	No	<1	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Butyl Diphenyl Phosphate (BDPP)	1.1 M	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Benzo(a)anthracene	0.08	NA	NA	NA	NA	5.4	V	No	<1	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Benzo(b,k)fluoranthene	0.14	NA	NA	NA	NA	9.0	V	No	<1	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Benzo(g,h,i)perylene	0.22	NA	NA	NA	NA	1.6	V	No	<1	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Chrysene	0.14	NA	NA	NA	NA	9.2	V	No	<1	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Indeno(1,2,3-cd)pyrene	0.16	NA	NA	NA	NA	1.8	V	No	<1	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Phenanthrene	0.23	NA	NA	NA	NA	9.7	V	No	<1	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Dibutyl Phenyl Phosphate (DBPP)	2.2	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Tributyl Phosphate (TBP)	26	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Anthracene	0.035 J	24000	B, NC	No	<1	24	V	No	<1	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Dibenzofuran	0.064 J	160	B, NC	No	<1	1.2	V	No	<1	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Dimethylphthalate	0.041 M	80000	B, NC	No	<1	5.7	V	No	<1	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Fluorene	0.05 M	3200	B, NC	No	<1	1.6	V	No	<1	Landau 10/26/92*
<b>B4(0.5-1.0)</b>	<b>7/1/1992</b>	<b>0.5</b>	<b>2-Methyl naphthalene</b>	<b>1.7</b>	<b>320</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>1.4</b>	<b>V</b>	<b>Yes</b>	<b>1.2</b>	<b>Landau 10/26/92*</b>
<b>B4(0.5-1.0)</b>	<b>7/1/1992</b>	<b>0.5</b>	<b>bis(2-Ethylhexyl)phthalate</b>	<b>3.9</b>	<b>71</b>	<b>B, Carc</b>	<b>No</b>	<b>&lt;1</b>	<b>1.6</b>	<b>V</b>	<b>Yes</b>	<b>2.4</b>	<b>Landau 10/26/92*</b>
B4(0.5-1.0)	7/1/1992	0.5	4-Methylphenol (p-cresol)	0.98	400	B, NC	No	<1	0.98	V	No	1.0	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Butylbenzylphthalate	0.31	16000	B, NC	No	<1	1.3	V	No	<1	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Di-n-butylphthalate	0.53	8000	B, NC	No	<1	39	V	No	<1	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Di-n-octyl phthalate	0.6	16000	B, NC	No	<1	90	V	No	<1	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Fluoranthene	0.21	3200	B, NC	No	<1	24	V	No	<1	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Naphthalene	0.98	5	A	No	<1	3.8	V	No	<1	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Phenol	0.28	48000	B, NC	No	<1	2.1	V	No	<1	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Pyrene	0.22	2400	B, NC	No	<1	28	V	No	<1	Landau 10/26/92*
B4(0.5-1.0)	7/1/1992	0.5	Diesel Range Hydrocarbons	940	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
<b>B4(0.5-1.0)</b>	<b>7/1/1992</b>	<b>0.5</b>	<b>PCB, total</b>	<b>2.7</b>	<b>0.5</b>	<b>B, Carc</b>	<b>Yes</b>	<b>5.4</b>	<b>1.3</b>	<b>V</b>	<b>Yes</b>	<b>2.1</b>	<b>Landau 10/26/92*</b>
B4(0.5-1.0)	7/1/1992	0.5	Benzo(a)pyrene	0.16	0.137	B, Carc	Yes	1.2	4.2	V	No	<1	Landau 10/26/92*

**Table H-1**  
**North Boeing Field - Fire Training Center**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedance	MTCA Cleanup Level Exceedance Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedance	Soil-to-Sediment Screening Level Exceedance Factor	Source
B4(0.5-1.0)	7/1/1992	0.5	PAHs, total carcinogenic	0.20	0.14	B, Carc	Yes	1.4	NA	NA	NA	NA	Landau 10/26/92*
B4(2.5-3.0)	7/1/1992	2.5	Gasoline Range Hydrocarbons	500 U	30	A	RLE	17	NA	NA	NA	NA	Landau 10/26/92*
B4(2.5-3.0)	7/1/1992	2.5	Diesel Range Hydrocarbons	13000	2000	A	Yes	6.5	NA	NA	NA	NA	Landau 10/26/92*
B4(4.0-4.5)	7/1/1992	4	Gasoline Range Hydrocarbons	100 U	30	A	RLE	3.3	NA	NA	NA	NA	Landau 10/26/92*
B4(4.0-4.5)	7/1/1992	4	Diesel Range Hydrocarbons	4900	2000	A	Yes	2.5	NA	NA	NA	NA	Landau 10/26/92*
B4(6.0)	7/1/1992	6	Gasoline Range Hydrocarbons	100 U	30	A	RLE	3.3	NA	NA	NA	NA	Landau 10/26/92*
B4(6.0)	7/1/1992	6	Diesel Range Hydrocarbons	2400	2000	A	Yes	1.2	NA	NA	NA	NA	Landau 10/26/92*
B4(7.0)	7/1/1992	7	Diesel Range Hydrocarbons	770	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B4(8.0-9.0)	7/1/1992	8	Phenanthrene	0.13	NA	NA	NA	NA	0.49	S	No	<1	Landau 10/26/92*
B4(8.0-9.0)	7/1/1992	8	Butyl Diphenyl Phosphate (BDPP)	0.12	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B4(8.0-9.0)	7/1/1992	8	Dibutyl Phenyl Phosphate (DBPP)	0.93	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B4(8.0-9.0)	7/1/1992	8	Tributyl Phosphate (TBP)	1.2	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B4(8.0-9.0)	7/1/1992	8	Pyrene	0.041 J	2400	B, NC	No	<1	1.4	S	No	<1	Landau 10/26/92*
<b>B4(8.0-9.0)</b>	<b>7/1/1992</b>	<b>8</b>	<b>Acenaphthene</b>	<b>0.066 M</b>	<b>4800</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>0.060</b>	<b>S</b>	<b>Yes</b>	<b>1.1</b>	<b>Landau 10/26/92*</b>
<b>B4(8.0-9.0)</b>	<b>7/1/1992</b>	<b>8</b>	<b>Dibenzofuran</b>	<b>0.067 M</b>	<b>160</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>0.059</b>	<b>S</b>	<b>Yes</b>	<b>1.1</b>	<b>Landau 10/26/92*</b>
B4(8.0-9.0)	7/1/1992	8	4-Methylphenol (p-cresol)	0.069 U	400	B, NC	No	<1	0.056	S	RLE	1.2	Landau 10/26/92*
B4(8.0-9.0)	7/1/1992	8	PCB, total	0.32 U	0.5	B, Carc	No	<1	0.065	S	RLE	4.9	Landau 10/26/92*
B4(8.0-9.0)	7/1/1992	8	Phenol	0.14 U	48000	B, NC	No	<1	0.12	S	RLE	1.2	Landau 10/26/92*
<b>B4(8.0-9.0)</b>	<b>7/1/1992</b>	<b>8</b>	<b>2-Methyl naphthalene</b>	<b>5.2</b>	<b>320</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>0.073</b>	<b>S</b>	<b>Yes</b>	<b>71</b>	<b>Landau 10/26/92*</b>
<b>B4(8.0-9.0)</b>	<b>7/1/1992</b>	<b>8</b>	<b>Fluorene</b>	<b>0.2</b>	<b>3200</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>0.081</b>	<b>S</b>	<b>Yes</b>	<b>2.5</b>	<b>Landau 10/26/92*</b>
<b>B4(8.0-9.0)</b>	<b>7/1/1992</b>	<b>8</b>	<b>Naphthalene</b>	<b>1.6</b>	<b>5</b>	<b>A</b>	<b>No</b>	<b>&lt;1</b>	<b>0.20</b>	<b>S</b>	<b>Yes</b>	<b>8.0</b>	<b>Landau 10/26/92*</b>
B4(8.0-9.0)	7/1/1992	8	bis(2-Ethylhexyl)phthalate	0.075	71	B, Carc	No	<1	0.078	S	No	<1	Landau 10/26/92*
B4(8.0-9.0)	7/1/1992	8	Diesel Range Hydrocarbons	1800	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B4(8.0-9.0)	7/1/1992	8	Methylene Chloride	2.3 U	0.02	A	RLE	115	NA	NA	NA	NA	Landau 10/26/92*
B5(1.5-3.0)	7/1/1992	1.5	Nickel	33	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B5(1.5-3.0)	7/1/1992	1.5	bis(2-Ethylhexyl)phthalate	0.083	71	B, Carc	No	<1	1.6	V	No	<1	Landau 10/26/92*
B5(1.5-3.0)	7/1/1992	1.5	Copper	230	3000	B, NC	No	<1	780	V	No	<1	Landau 10/26/92*
B5(1.5-3.0)	7/1/1992	1.5	Lead	18	1000	A	No	<1	1300	V	No	<1	Landau 10/26/92*
B5(1.5-3.0)	7/1/1992	1.5	PCB, total	0.11	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 10/26/92*
B5(1.5-3.0)	7/1/1992	1.5	Zinc	28.6	24000	B, NC	No	<1	770	V	No	<1	Landau 10/26/92*
B5(1.5-3.0)	7/1/1992	1.5	Beryllium	1	160	B, NC	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B5(1.5-3.0)	7/1/1992	1.5	Diesel Range Hydrocarbons	13	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B5(1.5-3.0)	7/1/1992	1.5	Arsenic	7 U	0.67	B, Carc	RLE	10	12000	V	No	<1	Landau 10/26/92*
<b>B5(1.5-3.0)</b>	<b>7/1/1992</b>	<b>1.5</b>	<b>Chromium</b>	<b>29.1</b>	<b>19</b>	<b>A, Chromium VI</b>	<b>Yes</b>	<b>1.5</b>	<b>5400</b>	<b>V</b>	<b>No</b>	<b>&lt;1</b>	<b>Landau 10/26/92*</b>
B5(7.0-7.5)	7/1/1992	7	Nickel	7	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B5(7.0-7.5)	7/1/1992	7	Chromium	12.3	19	A, Chromium VI	No	<1	5400	V	No	<1	Landau 10/26/92*
B5(7.0-7.5)	7/1/1992	7	Copper	14.9	3000	B, NC	No	<1	780	V	No	<1	Landau 10/26/92*
B5(7.0-7.5)	7/1/1992	7	Lead	12	1000	A	No	<1	1300	V	No	<1	Landau 10/26/92*
B5(7.0-7.5)	7/1/1992	7	Zinc	48.9	24000	B, NC	No	<1	770	V	No	<1	Landau 10/26/92*
B5(7.0-7.5)	7/1/1992	7	MEK (2-Butanone)	0.0083	48000	B, NC	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B5(7.0-7.5)	7/1/1992	7	Arsenic	6 U	0.67	B, Carc	RLE	9.0	12000	V	No	<1	Landau 10/26/92*
B6(4.1-4.4)	7/1/1992	4.0999999	Nickel	52	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B6(4.1-4.4)	7/1/1992	4.0999999	Cadmium	0.6	2	A	No	<1	34	V	No	<1	Landau 10/26/92*
B6(4.1-4.4)	7/1/1992	4.0999999	Copper	40.6	3000	B, NC	No	<1	780	V	No	<1	Landau 10/26/92*
B6(4.1-4.4)	7/1/1992	4.0999999	Lead	19	1000	A	No	<1	1300	V	No	<1	Landau 10/26/92*
B6(4.1-4.4)	7/1/1992	4.0999999	Mercury	0.1	2	A	No	<1	0.59	V	No	<1	Landau 10/26/92*
B6(4.1-4.4)	7/1/1992	4.0999999	Zinc	74.2	24000	B, NC	No	<1	770	V	No	<1	Landau 10/26/92*
B6(4.1-4.4)	7/1/1992	4.0999999	Beryllium	0.2	160	B, NC	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B6(4.1-4.4)	7/1/1992	4.0999999	Arsenic	6 U	0.67	B, Carc	RLE	9.0	12000	V	No	<1	Landau 10/26/92*
<b>B6(4.1-4.4)</b>	<b>7/1/1992</b>	<b>4.0999999</b>	<b>Chromium</b>	<b>48.2</b>	<b>19</b>	<b>A, Chromium VI</b>	<b>Yes</b>	<b>2.5</b>	<b>5400</b>	<b>V</b>	<b>No</b>	<b>&lt;1</b>	<b>Landau 10/26/92*</b>
B6(8.5-9.0)	7/1/1992	8.5	Chloroform	0.0011 J	160	B, Carc	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B6(8.5-9.0)	7/1/1992	8.5	Toluene	0.0008 J	7	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*

**Table H-1**  
**North Boeing Field - Fire Training Center**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet) bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
B6(8.5-9.0)	7/1/1992	8.5	Methylene Chloride	0.0051	0.02	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7(1.0-1.5)	7/1/1992	1	Xylenes, total	0.0018 J	9	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7(1.0-1.5)	7/1/1992	1	Diesel Range Hydrocarbons	270	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7(1.0-1.5)	7/1/1992	1	MEK (2-Butanone)	0.015	48000	B, NC	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7(1.0-1.5)	7/1/1992	1	Toluene	0.0013	7	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7(1.5-2.0)	7/1/1992	1.5	Dibutyl Phenyl Phosphate (DBPP)	0.07 M	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B7(1.5-2.0)	7/1/1992	1.5	Tributyl Phosphate (TBP)	0.65	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B7(1.5-2.0)	7/1/1992	1.5	Diesel Range Hydrocarbons	1200	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7A(10.0-10.5)	7/1/1992	10	Toluene	0.028 MJ	7	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7A(10.0-10.5)	7/1/1992	10	Xylenes, total	0.0028 MJ	9	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7A(10.0-10.5)	7/1/1992	10	Diesel Range Hydrocarbons	33	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7A(10.0-10.5)	7/1/1992	10	Methylene Chloride	0.061 UJ	0.02	A	RLE	3.1	NA	NA	NA	NA	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Dibutyl Phenyl Phosphate (DBPP)	0.17 J	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Acenaphthylene	0.11 M	NA	NA	NA	NA	1.4	V	No	<1	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Benzo(a)anthracene	0.083 M	NA	NA	NA	NA	5.4	V	No	<1	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Benzo(b,k)fluoranthene	0.21 M	NA	NA	NA	NA	9.0	V	No	<1	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Chrysene	0.15	NA	NA	NA	NA	9.2	V	No	<1	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Phenanthrene	0.28	NA	NA	NA	NA	9.7	V	No	<1	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Tributyl Phosphate (TBP)	3.7	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Chloroform	0.44 J	160	B, Carc	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Toluene	0.071 J	7	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Acenaphthene	0.069 M	4800	B, NC	No	<1	1.2	V	No	<1	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Benzo(a)pyrene	0.067 M	0.137	B, Carc	No	<1	4.2	V	No	<1	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Dibenzofuran	0.11 M	160	B, NC	No	<1	1.2	V	No	<1	Landau 10/26/92*
<b>B7A(3.0-4.0)</b>	<b>7/1/1992</b>	<b>3</b>	<b>2-Methyl naphthalene</b>	<b>1.7</b>	<b>320</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>1.4</b>	<b>V</b>	<b>Yes</b>	<b>1.2</b>	<b>Landau 10/26/92*</b>
B7A(3.0-4.0)	7/1/1992	3	bis(2-Ethylhexyl)phthalate	0.55	71	B, Carc	No	<1	1.6	V	No	<1	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Fluoranthene	0.24	3200	B, NC	No	<1	24	V	No	<1	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Fluorene	0.16	3200	B, NC	No	<1	1.6	V	No	<1	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Naphthalene	0.51	5	A	No	<1	3.8	V	No	<1	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Pyrene	0.46	2400	B, NC	No	<1	28	V	No	<1	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	1,1,1-Trichloroethane	0.33	2	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	1,1,2-Trichloroethane	0.34	18	B, Carc	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	1,1-Dichloroethane	0.39	16000	B, NC	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	1,2-Dichloroethane	0.38	11	B, Carc	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	1,2-Dichloropropane	0.35	15	B, Carc	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Bromodichloromethane	0.35	16	B, Carc	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Bromoform	0.29	130	B, Carc	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Carbon Tetrachloride	0.33	7.7	B, Carc	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Dibromochloromethane	0.31	12	B, Carc	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Diesel Range Hydrocarbons	1800	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	MEK (2-Butanone)	0.97	48000	B, NC	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	PAHs, total carcinogenic	0.098	0.14	B, Carc	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Xylenes, total	0.32	9	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B7A(3.0-4.0)	7/1/1992	3	Methylene Chloride	1 U	0.02	A	RLE	50	NA	NA	NA	NA	Landau 10/26/92*
B7A(4.5-5.0)	7/1/1992	4.5	Diesel Range Hydrocarbons	1100	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B8(1.5-2.0)	7/1/1992	1.5	Nickel	12	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B8(1.5-2.0)	7/1/1992	1.5	Tributyl Phosphate (TBP)	0.28	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B8(1.5-2.0)	7/1/1992	1.5	Pyrene	0.037 J	2400	B, NC	No	<1	28	V	No	<1	Landau 10/26/92*
B8(1.5-2.0)	7/1/1992	1.5	bis(2-Ethylhexyl)phthalate	0.097	71	B, Carc	No	<1	1.6	V	No	<1	Landau 10/26/92*
B8(1.5-2.0)	7/1/1992	1.5	Chromium	16.7	19	A, Chromium VI	No	<1	5400	V	No	<1	Landau 10/26/92*
B8(1.5-2.0)	7/1/1992	1.5	Copper	17	3000	B, NC	No	<1	780	V	No	<1	Landau 10/26/92*
B8(1.5-2.0)	7/1/1992	1.5	Lead	10	1000	A	No	<1	1300	V	No	<1	Landau 10/26/92*



**Table H-1**  
**North Boeing Field - Fire Training Center**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
B8(1.5-2.0)	7/1/1992	1.5	Mercury	0.1	2	A	No	<1	0.59	V	No	<1	Landau 10/26/92*
B8(1.5-2.0)	7/1/1992	1.5	Zinc	33.5	24000	B, NC	No	<1	770	V	No	<1	Landau 10/26/92*
B8(1.5-2.0)	7/1/1992	1.5	Beryllium	0.1	160	B, NC	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B8(1.5-2.0)	7/1/1992	1.5	Diesel Range Hydrocarbons	12	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B8(1.5-2.0)	7/1/1992	1.5	MEK (2-Butanone)	0.0079	48000	B, NC	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B8(1.5-2.0)	7/1/1992	1.5	Toluene	0.0016	7	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B8(1.5-2.0)	7/1/1992	1.5	Arsenic	5 U	0.67	B, Carc	RLE	7.5	12000	V	No	<1	Landau 10/26/92*
B8(6.5-7.0)	7/1/1992	6.5	Diesel Range Hydrocarbons	42	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	Acenaphthylene	0.094 U	NA	NA	NA	NA	0.069	S	RLE	1.4	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	Benzo(g,h,i)perylene	0.094 U	NA	NA	NA	NA	0.078	S	RLE	1.2	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	Indeno(1,2,3-cd)pyrene	0.094 U	NA	NA	NA	NA	0.088	S	RLE	1.1	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	Nickel	39	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	Toluene	0.0069 J	7	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	2-Methyl naphthalene	0.094 U	320	B, NC	No	<1	0.073	S	RLE	1.3	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	4-Methylphenol (p-cresol)	0.094 U	400	B, NC	No	<1	0.056	S	RLE	1.7	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	Acenaphthene	0.094 U	4800	B, NC	No	<1	0.060	S	RLE	1.6	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	bis(2-Ethylhexyl)phthalate	0.094 U	71	B, Carc	No	<1	0.078	S	RLE	1.2	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	Butylbenzylphthalate	0.094 U	16000	B, NC	No	<1	0.078	S	RLE	1.2	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	Dibenzofuran	0.094 U	160	B, NC	No	<1	0.059	S	RLE	1.6	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	Fluorene	0.094 U	3200	B, NC	No	<1	0.081	S	RLE	1.2	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	Mercury	0.1 U	2	A	No	<1	0.030	S	RLE	3.3	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	PCB, total	0.32 U	0.5	B, Carc	No	<1	0.065	S	RLE	4.9	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	Phenol	0.19 U	48000	B, NC	No	<1	0.12	S	RLE	1.6	Landau 10/26/92*
<b>B8(8.0-9.0)</b>	<b>7/1/1992</b>	<b>8</b>	<b>Copper</b>	<b>69.8</b>	<b>3000</b>	<b>B, NC</b>	<b>No</b>	<b>&lt;1</b>	<b>39</b>	<b>S</b>	<b>Yes</b>	<b>1.8</b>	<b>Landau 10/26/92*</b>
B8(8.0-9.0)	7/1/1992	8	Cadmium	0.5	2	A	No	<1	1.7	S	No	<1	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	Chromium	15	19	A, Chromium VI	No	<1	270	S	No	<1	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	Lead	28	1000	A	No	<1	67	S	No	<1	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	Zinc	27.8	24000	B, NC	No	<1	38	S	No	<1	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	Beryllium	0.7	160	B, NC	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	Diesel Range Hydrocarbons	15	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B8(8.0-9.0)	7/1/1992	8	Arsenic	8 U	0.67	B, Carc	RLE	12	590	S	No	<1	Landau 10/26/92*
B9(1.5-2.5)	7/1/1992	1.5	Diesel Range Hydrocarbons	23	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B9(6.5-7.0)	7/1/1992	6.5	Nickel	16	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
B9(6.5-7.0)	7/1/1992	6.5	Cadmium	0.4	2	A	No	<1	34	V	No	<1	Landau 10/26/92*
B9(6.5-7.0)	7/1/1992	6.5	Copper	52	3000	B, NC	No	<1	780	V	No	<1	Landau 10/26/92*
B9(6.5-7.0)	7/1/1992	6.5	Lead	19	1000	A	No	<1	1300	V	No	<1	Landau 10/26/92*
B9(6.5-7.0)	7/1/1992	6.5	Mercury	0.1	2	A	No	<1	0.59	V	No	<1	Landau 10/26/92*
B9(6.5-7.0)	7/1/1992	6.5	Zinc	46.7	24000	B, NC	No	<1	770	V	No	<1	Landau 10/26/92*
B9(6.5-7.0)	7/1/1992	6.5	Beryllium	0.3	160	B, NC	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B9(6.5-7.0)	7/1/1992	6.5	Methylene Chloride	0.0035	0.02	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
B9(6.5-7.0)	7/1/1992	6.5	Arsenic	6 U	0.67	B, Carc	RLE	9.0	12000	V	No	<1	Landau 10/26/92*
B9(6.5-7.0)	7/1/1992	6.5	Chromium	20.4	19	A, Chromium VI	Yes	1.1	5400	V	No	<1	Landau 10/26/92*
SS-1	7/1/1992		PCB, total	0.41	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 10/26/92*
SS-1	7/1/1992		Diesel Range Hydrocarbons	330	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
SS-2	7/1/1992		Benzo(a)anthracene	0.051 J	NA	NA	NA	NA	5.4	V	No	<1	Landau 10/26/92*
SS-2	7/1/1992		Benzo(b,k)fluoranthene	0.17	NA	NA	NA	NA	9.0	V	No	<1	Landau 10/26/92*
SS-2	7/1/1992		Chrysene	0.083	NA	NA	NA	NA	9.2	V	No	<1	Landau 10/26/92*
SS-2	7/1/1992		Nickel	21	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
SS-2	7/1/1992		Di-n-butylphthalate	0.065 J	8000	B, NC	No	<1	39	V	No	<1	Landau 10/26/92*
SS-2	7/1/1992		Benzo(a)pyrene	0.07	0.137	B, Carc	No	<1	4.2	V	No	<1	Landau 10/26/92*
SS-2	7/1/1992		Cadmium	0.6	2	A	No	<1	34	V	No	<1	Landau 10/26/92*
SS-2	7/1/1992		Copper	47.8	3000	B, NC	No	<1	780	V	No	<1	Landau 10/26/92*

**Table H-1**  
**North Boeing Field - Fire Training Center**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
SS-2	7/1/1992		Fluoranthene	0.083	3200	B, NC	No	<1	24	V	No	<1	Landau 10/26/92*
SS-2	7/1/1992		Lead	49	1000	A	No	<1	1300	V	No	<1	Landau 10/26/92*
SS-2	7/1/1992		Mercury	0.1	2	A	No	<1	0.59	V	No	<1	Landau 10/26/92*
SS-2	7/1/1992		Pyrene	0.071	2400	B, NC	No	<1	28	V	No	<1	Landau 10/26/92*
SS-2	7/1/1992		Zinc	74.3	24000	B, NC	No	<1	770	V	No	<1	Landau 10/26/92*
SS-2	7/1/1992		Beryllium	0.1	160	B, NC	No	<1	NA	NA	NA	NA	Landau 10/26/92*
SS-2	7/1/1992		Diesel Range Hydrocarbons	53	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
SS-2	7/1/1992		PAHs, total carcinogenic	0.093	0.14	B, Carc	No	<1	NA	NA	NA	NA	Landau 10/26/92*
SS-2	7/1/1992		Toluene	0.0035	7	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
SS-2	7/1/1992		Arsenic	5 U	0.67	B, Carc	RLE	7.5	12000	V	No	<1	Landau 10/26/92*
SS-2	7/1/1992		Chromium	25.4	19	A, Chromium VI	Yes	1.3	5400	V	No	<1	Landau 10/26/92*
SS-2	7/1/1992		PCB, total	0.96	0.5	B, Carc	Yes	1.9	1.3	V	No	<1	Landau 10/26/92*
SS-3	7/1/1992		PCB, total	0.174	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 10/26/92*
SS-3	7/1/1992		Toluene	0.0029	7	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
SS-4	7/1/1992		Toluene	0.0015 M	7	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
SS-4	7/1/1992		Diesel Range Hydrocarbons	350	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
SS-4	7/1/1992		PCB, total	1.66	0.5	B, Carc	Yes	3.3	1.3	V	Yes	1.3	Landau 10/26/92*
SS-5	7/1/1992		Benzo(a)anthracene	0.24 J	NA	NA	NA	NA	5.4	V	No	<1	Landau 10/26/92*
SS-5	7/1/1992		Phenanthrene	0.28 J	NA	NA	NA	NA	9.7	V	No	<1	Landau 10/26/92*
SS-5	7/1/1992		Benzo(b,k)fluoranthene	0.94	NA	NA	NA	NA	9.0	V	No	<1	Landau 10/26/92*
SS-5	7/1/1992		Benzo(g,h,i)perylene	0.43	NA	NA	NA	NA	1.6	V	No	<1	Landau 10/26/92*
SS-5	7/1/1992		Chrysene	0.35	NA	NA	NA	NA	9.2	V	No	<1	Landau 10/26/92*
SS-5	7/1/1992		Indeno(1,2,3-cd)pyrene	0.5	NA	NA	NA	NA	1.8	V	No	<1	Landau 10/26/92*
SS-5	7/1/1992		Nickel	19	NA	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
SS-5	7/1/1992		2-Methyl naphthalene	25	320	B, NC	No	<1	1.4	V	Yes	18	Landau 10/26/92*
SS-5	7/1/1992		Cadmium	0.9	2	A	No	<1	34	V	No	<1	Landau 10/26/92*
SS-5	7/1/1992		Chromium	18.3	19	A, Chromium VI	No	<1	5400	V	No	<1	Landau 10/26/92*
SS-5	7/1/1992		Copper	35.3	3000	B, NC	No	<1	780	V	No	<1	Landau 10/26/92*
SS-5	7/1/1992		Di-n-butylphthalate	0.35	8000	B, NC	No	<1	39	V	No	<1	Landau 10/26/92*
SS-5	7/1/1992		Fluoranthene	0.44	3200	B, NC	No	<1	24	V	No	<1	Landau 10/26/92*
SS-5	7/1/1992		Lead	77	1000	A	No	<1	1300	V	No	<1	Landau 10/26/92*
SS-5	7/1/1992		Mercury	0.1	2	A	No	<1	0.59	V	No	<1	Landau 10/26/92*
SS-5	7/1/1992		PCB, total	0.33	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 10/26/92*
SS-5	7/1/1992		Pyrene	0.58	2400	B, NC	No	<1	28	V	No	<1	Landau 10/26/92*
SS-5	7/1/1992		Zinc	78.9	24000	B, NC	No	<1	770	V	No	<1	Landau 10/26/92*
SS-5	7/1/1992		Beryllium	0.1	160	B, NC	No	<1	NA	NA	NA	NA	Landau 10/26/92*
SS-5	7/1/1992		Diesel Range Hydrocarbons	1700	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
SS-5	7/1/1992		Arsenic	5 U	0.67	B, Carc	RLE	7.5	12000	V	No	<1	Landau 10/26/92*
SS-5	7/1/1992		Methylene Chloride	2.7 U	0.02	A	RLE	135	NA	NA	NA	NA	Landau 10/26/92*
SS-5	7/1/1992		Naphthalene	14	5	A	Yes	2.8	3.8	V	Yes	3.7	Landau 10/26/92*
SS-5	7/1/1992		Benzo(a)pyrene	0.52	0.137	B, Carc	Yes	3.8	4.2	V	No	<1	Landau 10/26/92*
SS-5	7/1/1992		PAHs, total carcinogenic	0.69	0.14	B, Carc	Yes	4.9	NA	NA	NA	NA	Landau 10/26/92*
SS-5	7/1/1992		Xylenes, total	21	9	A	Yes	2.3	NA	NA	NA	NA	Landau 10/26/92*
SS-6	7/1/1992		PCB, total	0.11	0.5	B, Carc	No	<1	1.3	V	No	<1	Landau 10/26/92*
SS-6	7/1/1992		Xylenes, total	5	9	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
SS-6	7/1/1992		Methylene Chloride	2.7 U	0.02	A	RLE	135	NA	NA	NA	NA	Landau 10/26/92*
SS-6	7/1/1992		Diesel Range Hydrocarbons	3100	2000	A	Yes	1.6	NA	NA	NA	NA	Landau 10/26/92*
SS-7	7/1/1992		Toluene	0.0012 M	7	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
SS-7	7/1/1992		Diesel Range Hydrocarbons	1800	2000	A	No	<1	NA	NA	NA	NA	Landau 10/26/92*
SS-7	7/1/1992		PCB, total	0.53	0.5	B, Carc	Yes	1.1	1.3	V	No	<1	Landau 10/26/92*
B15/3.9-4.9'	3/1/1993	3.9	Diesel Range Hydrocarbons	16	2000	A	No	<1	NA	NA	NA	NA	Landau 5/11/93
B16/4.2-5.2'	3/1/1993	4.2	Diesel Range Hydrocarbons	19000	2000	A	Yes	9.5	NA	NA	NA	NA	Landau 5/11/93

**Table H-1**  
**North Boeing Field - Fire Training Center**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
B16/4.2-5.2'	3/1/1993	4.2	Jet Fuel	7200	2000	A, diesel	Yes	3.6	NA	NA	NA	NA	Landau 5/11/93
B16/5.2-5.4'	3/1/1993	5.2	Diesel Range Hydrocarbons	18000	2000	A	Yes	9.0	NA	NA	NA	NA	Landau 5/11/93
B16/5.2-5.4'	3/1/1993	5.2	Jet Fuel	7500	2000	A, diesel	Yes	3.8	NA	NA	NA	NA	Landau 5/11/93
B17/3.2-3.6'	3/1/1993	3.2	Diesel Range Hydrocarbons	44	2000	A	No	<1	NA	NA	NA	NA	Landau 5/11/93
B17/3.2-3.6'	3/1/1993	3.2	Jet Fuel	10	2000	A, diesel	No	<1	NA	NA	NA	NA	Landau 5/11/93
B18/6.5-7.5'	3/1/1993	6.5	Diesel Range Hydrocarbons	8300	2000	A	Yes	4.2	NA	NA	NA	NA	Landau 5/11/93
B18/6.5-7.5'	3/1/1993	6.5	Jet Fuel	3900	2000	A, diesel	Yes	2.0	NA	NA	NA	NA	Landau 5/11/93
SS-10	3/1/1993	0.0	PCB, total	1.0 U	0.5	B, Carc	RLE	2.0	1.3	V	No	<1	Landau 5/11/93
SS-11	3/1/1993	0.0	PCB, total	1.0 U	0.5	B, Carc	RLE	2.0	1.3	V	No	<1	Landau 5/11/93
SS-12	3/1/1993	0.0	PCB, total	1.0 J	0.5	B, Carc	Yes	2.0	1.3	V	No	<1	Landau 5/11/93
SS-13	3/1/1993	0.0	PCB, total	1.0 U	0.5	B, Carc	RLE	2.0	1.3	V	No	<1	Landau 5/11/93
SS-8	3/1/1993	0.0	PCB, total	1.0 U	0.5	B, Carc	RLE	2.0	1.3	V	No	<1	Landau 5/11/93
SS-9	3/1/1993	0.0	PCB, total	1.0 U	0.5	B, Carc	RLE	2.0	1.3	V	No	<1	Landau 5/11/93
B15/3.9-4.9	3/17/1993	3.9000001	Diesel Range Hydrocarbons	16	2000	A	No	<1	NA	NA	NA	NA	Landau 8/10/93*
B16/4.2-5.2	3/17/1993	4.1999998	Diesel Range Hydrocarbons	19000	2000	A	Yes	9.5	NA	NA	NA	NA	Landau 8/10/93*
B16/4.2-5.2	3/17/1993	4.1999998	Jet Fuel	7200	2000	A, diesel	Yes	3.6	NA	NA	NA	NA	Landau 8/10/93*
B16/5.2-5.4	3/17/1993	5.1999998	Diesel Range Hydrocarbons	18000	2000	A	Yes	9.0	NA	NA	NA	NA	Landau 8/10/93*
B16/5.2-5.4	3/17/1993	5.1999998	Jet Fuel	7500	2000	A, diesel	Yes	3.8	NA	NA	NA	NA	Landau 8/10/93*
B17/3.2-3.6	3/18/1993	3.2	Diesel Range Hydrocarbons	44	2000	A	No	<1	NA	NA	NA	NA	Landau 8/10/93*
B17/3.2-3.6	3/18/1993	3.2	Jet Fuel	10	2000	A, diesel	No	<1	NA	NA	NA	NA	Landau 8/10/93*
B18/6.5-7.5	3/18/1993	6.5	Diesel Range Hydrocarbons	8300	2000	A	Yes	4.2	NA	NA	NA	NA	Landau 8/10/93*
B18/6.5-7.5	3/18/1993	6.5	Jet Fuel	3900	2000	A, diesel	Yes	2.0	NA	NA	NA	NA	Landau 8/10/93*
SS-12	3/18/1993		Aroclor 1254	1 J	1.6	B, NC	No	<1	1.3	V	No	<1	Landau 8/10/93*
PFC-1	5/24/1993		Dibutyl Phenyl Phosphate (DBPP)	0.15	NA	NA	NA	NA	NA	NA	NA	NA	Landau 8/10/93*
PFC-1	5/24/1993		Tributyl Phosphate (TBP)	0.22	NA	NA	NA	NA	NA	NA	NA	NA	Landau 8/10/93*
PFC-2	5/24/1993		Diesel Range Hydrocarbons	760	2000	A	No	<1	NA	NA	NA	NA	Landau 8/10/93*
PWC-4	5/26/1993		Diesel Range Hydrocarbons	9400	2000	A	Yes	4.7	NA	NA	NA	NA	Landau 8/10/93*
PWC-5	5/26/1993		Diesel Range Hydrocarbons	4.5 J	2000	A	No	<1	NA	NA	NA	NA	Landau 8/10/93*
PWC-6	5/26/1993		Diesel Range Hydrocarbons	540	2000	A	No	<1	NA	NA	NA	NA	Landau 8/10/93*
PWC-7	5/26/1993		Diesel Range Hydrocarbons	240	2000	A	No	<1	NA	NA	NA	NA	Landau 8/10/93*
PWC-11	5/27/1993		Diesel Range Hydrocarbons	84	2000	A	No	<1	NA	NA	NA	NA	Landau 8/10/93*
PWC-14	5/28/1993		Diesel Range Hydrocarbons	86	2000	A	No	<1	NA	NA	NA	NA	Landau 8/10/93*
CBF-4	6/2/1993		Diesel Range Hydrocarbons	920	2000	A	No	<1	NA	NA	NA	NA	Landau 8/10/93*

Notes:

feet bgs - feet below ground surface

mg/kg - milligrams per kilogram

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

Soil samples from areas that have been excavated are not included in the table.

MTCA Cleanup Levels

A - MTCA Method A Cleanup Level, Industrial Land Use, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value, Direct Contact

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value, Direct Contact

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

RLE - Reporting limit exceeds MTCA Cleanup Level and/or Soil-to-Sediment Screening Level; analyte not detected.

Soil-to-Sediment Screening Levels

V - Soil sample collected from the vadose zone; the vadose zone soil-to-sediment screening level was used for comparison

S - Soil sample collected from the saturated zone; the saturated zone soil-to-sediment screening level was used for comparison.

Soil-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Soil-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the soil-to-sediment screening level.

**Table H-1**  
**North Boeing Field - Fire Training Center**  
**Chemicals Detected in Soil Plus Non-Detections Above MTCA Cleanup Levels or Soil-to-Sediment Screening Levels**

Sample Name	Sample Date	Sample Depth (feet bgs)	Analyte	Conc'n (mg/kg)	MTCA Cleanup Level (mg/kg)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	Soil-to-Sediment Screening Level (mg/kg)	Vadose or Saturated	Soil-to-Sediment Screening Level Exceedence	Soil-to-Sediment Screening Level Exceedence Factor	Source
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Data Qualifiers

J - Estimated value between the laboratory reporting limit and the method detection limit

M - Indicates an estimated value of the analyte was found and confirmed by analyst, but with low spectral match parameters

U - Analyte not detected, number is the detection limit

UJ - Analyte not detected, number is the estimated detection limit

**Table H-2**  
**North Boeing Field - Fire Training Center**  
**Chemicals Detected in Groundwater and Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
MW-5	8/16/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Landau 6/28/94*
MW-5	2/11/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Landau 6/28/94*
MW-6	8/16/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Landau 6/28/94*
MW-6	2/11/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Landau 6/28/94*
MW-7	8/16/1993	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Landau 6/28/94*
MW-7	2/11/1994	Benzene	1 U	0.8	B, Carc	RLE	1.3	NA	NA	NA	Landau 6/28/94*
MW-7	2/11/1994	Diesel Range Hydrocarbons	600	500	A	Yes	1.2	NA	NA	NA	Landau 6/28/94*
NBF-MW-1	1987	1,1,2,2-Tetrachloroethane	5 U	0.22	B, Carc	RLE	23	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	1,1,2-Trichloroethane	5 U	0.77	B, Carc	RLE	6.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	1,2-Dichloroethane	5 U	0.48	B, Carc	RLE	10	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	1,2-Dichloropropane	5 U	0.64	B, Carc	RLE	7.8	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	1,2-Diphenylhydrazine	10 U	0.11	B, Carc	RLE	91	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	2,4,6-Trichlorophenol	10 U	4	B, Carc	RLE	2.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	2,4-Dinitrophenol	50 U	32	B, NC	RLE	1.6	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	3,3'-Dichlorobenzidine	50 U	0.19	B, Carc	RLE	263	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Acrylonitrile	100 U	0.081	B, Carc	RLE	1235	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Aldrin	0.1 U	0.00260	B, Carc	RLE	38	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Aniline	10 U	7.7	B, Carc	RLE	1.3	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Benzene	5 U	0.8	B, Carc	RLE	6.3	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Benzidine	50 U	0.00038	B, Carc	RLE	131579	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	bis(2-chloroethyl)ether	10 U	0.04	B, Carc	RLE	250	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Bromodichloromethane	5 U	0.71	B, Carc	RLE	7.0	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Carbon Tetrachloride	5 U	0.34	B, Carc	RLE	15	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Chloromethane	5 U	3.4	B, Carc	RLE	1.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Dibromochloromethane	5 U	0.52	B, Carc	RLE	9.6	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Dieldrin	0.1 U	0.0055	B, Carc	RLE	18	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Gamma-BHC (Lindane)	0.1 U	0.067	B, Carc	RLE	1.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Heptachlor	0.1 U	0.019	B, Carc	RLE	5.3	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Heptachlor Epoxide	0.1 U	0.0048	B, Carc	RLE	21	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Hexachloroethane	10 U	3.1	B, Carc	RLE	3.2	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Nitrobenzene	10 U	4	B, NC	RLE	2.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Styrene	5 U	1.5	B, Carc	RLE	3.3	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Tetrachloroethene	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Toxaphene	1 U	0.08	B, Carc	RLE	13	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Trichloroethene	5 U	0.49	B, Carc	RLE	10	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	1987	Vinyl Chloride	5 U	0.029	B, Carc	RLE	172	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-1	7/1/1992	1,1,2-Trichloroethane	5 U	0.77	B, Carc	RLE	6.5	NA	NA	NA	Landau 10/26/92*
NBF-MW-1	7/1/1992	1,2-Dichloroethane	5 U	0.48	B, Carc	RLE	10	NA	NA	NA	Landau 10/26/92*
NBF-MW-1	7/1/1992	1,2-Dichloropropane	5 U	0.64	B, Carc	RLE	7.8	NA	NA	NA	Landau 10/26/92*
NBF-MW-1	7/1/1992	Bromodichloromethane	5 U	0.71	B, Carc	RLE	7.0	NA	NA	NA	Landau 10/26/92*
NBF-MW-1	7/1/1992	Carbon Tetrachloride	5 U	0.34	B, Carc	RLE	15	NA	NA	NA	Landau 10/26/92*
NBF-MW-1	7/1/1992	Dibromochloromethane	5 U	0.52	B, Carc	RLE	9.6	NA	NA	NA	Landau 10/26/92*
NBF-MW-1	7/1/1992	Diesel Range Hydrocarbons	3000 U	500	A	RLE	6.0	NA	NA	NA	Landau 10/26/92*
NBF-MW-1	7/1/1992	Gasoline Range Hydrocarbons	3000 U	800	A	RLE	3.8	NA	NA	NA	Landau 10/26/92*
NBF-MW-1	1987	1,4-Dichlorobenzene	10 U	1.8	B, Carc	RLE	5.6	21	No	<1	CH2M Hill 12/1987
NBF-MW-1	1987	Antimony	250 U	6.4	B, NC	RLE	39	370	No	<1	CH2M Hill 12/1987
NBF-MW-1	1987	Arsenic	5 U	0.058	B, Carc	RLE	86	370	No	<1	CH2M Hill 12/1987

**Table H-2**  
**North Boeing Field - Fire Training Center**  
**Chemicals Detected in Groundwater and Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NBF-MW-1	1987	Pentachlorophenol	10 U	0.73	B, Carc	RLE	14	10	No	1.0	CH2M Hill 12/1987
NBF-MW-1	7/1/1992	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Landau 10/26/92*
NBF-MW-1	1987	Benzo(a)pyrene	10 U	0.012	B, Carc	RLE	833	0.27	RLE	37	CH2M Hill 12/1987
NBF-MW-1	1987	bis(2-Ethylhexyl)phthalate	10 U	6.3	B, Carc	RLE	1.6	0.47	RLE	21	CH2M Hill 12/1987
NBF-MW-1	1987	Hexachlorobenzene	10 U	0.055	B, Carc	RLE	182	0.029	RLE	345	CH2M Hill 12/1987
NBF-MW-1	1987	Hexachlorobutadiene	10 U	0.56	B, Carc	RLE	18	6.2	RLE	1.6	CH2M Hill 12/1987
NBF-MW-1	1987	Lead	50 U	15	A	RLE	3.3	13	RLE	3.8	CH2M Hill 12/1987
NBF-MW-1	7/1/1992	Benzo(a)pyrene	1 U	0.012	B, Carc	RLE	83	0.27	RLE	3.7	Landau 10/26/92*
NBF-MW-1	7/1/1992	PCB, total	4 U	0.044	B, Carc	RLE	91	1.5	RLE	2.7	Landau 10/26/92*
NBF-MW-1	1987	1,2,4-Trichlorobenzene	10 U	80	B, NC	No	<1	2.5	RLE	4.0	CH2M Hill 12/1987
NBF-MW-1	1987	1,2-Dichlorobenzene	10 U	720	B, NC	No	<1	5.2	RLE	1.9	CH2M Hill 12/1987
NBF-MW-1	1987	2,4-Dimethylphenol	10 U	160	B, NC	No	<1	2.0	RLE	5.0	CH2M Hill 12/1987
NBF-MW-1	1987	2-Methylphenol (o-cresol)	10 U	400	B, NC	No	<1	7.1	RLE	1.4	CH2M Hill 12/1987
NBF-MW-1	1987	Acenaphthene	10 U	960	B, NC	No	<1	9.3	RLE	1.1	CH2M Hill 12/1987
NBF-MW-1	1987	Butyl benzyl phthalate	10 U	3200	B, NC	No	<1	6.8	RLE	1.5	CH2M Hill 12/1987
NBF-MW-1	1987	Cadmium	5 U	5	A	No	1.0	3.4	RLE	1.5	CH2M Hill 12/1987
NBF-MW-1	1987	Dibenzofuran	10 U	32	B, NC	No	<1	5.1	RLE	2.0	CH2M Hill 12/1987
NBF-MW-1	1987	Fluorene	10 U	640	B, NC	No	<1	7.0	RLE	1.4	CH2M Hill 12/1987
NBF-MW-1	1987	Mercury	0.2 U	2	A	No	<1	0.0074	RLE	27	CH2M Hill 12/1987
NBF-MW-1	1987	Silver	10 U	80	B, NC	No	<1	1.5	RLE	6.7	CH2M Hill 12/1987
NBF-MW-1	1987	Benzo(a)anthracene	10 U	NA	NA	NA	NA	0.63	RLE	16	CH2M Hill 12/1987
NBF-MW-1	1987	Benzo(b)fluoranthene	10 U	NA	NA	NA	NA	0.56	RLE	18	CH2M Hill 12/1987
NBF-MW-1	1987	Benzo(g,h,i)perylene	10 U	NA	NA	NA	NA	0.029	RLE	345	CH2M Hill 12/1987
NBF-MW-1	1987	Benzo(k)fluoranthene	10 U	NA	NA	NA	NA	0.57	RLE	18	CH2M Hill 12/1987
NBF-MW-1	1987	Chrysene	10 U	NA	NA	NA	NA	1.9	RLE	5.3	CH2M Hill 12/1987
NBF-MW-1	1987	Dibenzo(a,h)anthracene	10 U	NA	NA	NA	NA	0.013	RLE	769	CH2M Hill 12/1987
NBF-MW-1	1987	Indeno(1,2,3-cd)pyrene	10 U	NA	NA	NA	NA	0.033	RLE	303	CH2M Hill 12/1987
NBF-MW-1	1987	N-nitrosodiphenylamine	10 U	NA	NA	NA	NA	2.0	RLE	5.0	CH2M Hill 12/1987
NBF-MW-1	7/1/1992	Benzo(a)anthracene	1 U	NA	NA	NA	NA	0.63	RLE	1.6	Landau 10/26/92*
NBF-MW-1	7/1/1992	Benzo(b+k)fluoranthene	1 U	NA	NA	NA	NA	0.56	RLE	1.8	Landau 10/26/92*
NBF-MW-1	7/1/1992	Benzo(g,h,i)perylene	1 U	NA	NA	NA	NA	0.029	RLE	34	Landau 10/26/92*
NBF-MW-1	7/1/1992	Indeno(1,2,3-cd)pyrene	1 U	NA	NA	NA	NA	0.033	RLE	30	Landau 10/26/92*
NBF-MW-1	7/1/1992	bis(2-Ethylhexyl)phthalate	0.5 J	6.3	B, Carc	No	<1	0.47	Yes	1.1	Landau 10/26/92*
NBF-MW-1	7/1/1992	Di-n-butylphthalate	0.6 J	NA	NA	NA	NA	1200	No	<1	Landau 10/26/92*
NBF-MW-1	1987	Methylene Chloride	13	5	A	Yes	2.6	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	1,1,2,2-Tetrachloroethane	5 U	0.22	B, Carc	RLE	23	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	1,1,2-Trichloroethane	5 U	0.77	B, Carc	RLE	6.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	1,2-Dichloroethane	5 U	0.48	B, Carc	RLE	10	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	1,2-Dichloropropane	5 U	0.64	B, Carc	RLE	7.8	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	1,2-Diphenylhydrazine	10 U	0.11	B, Carc	RLE	91	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	2,4,6-Trichlorophenol	10 U	4	B, Carc	RLE	2.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	2,4-Dinitrophenol	50 U	32	B, NC	RLE	1.6	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	3,3'-Dichlorobenzidine	50 U	0.19	B, Carc	RLE	263	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	Acrylonitrile	100 U	0.081	B, Carc	RLE	1235	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	Aldrin	0.1 U	0.00260	B, Carc	RLE	38	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	Aniline	10 U	7.7	B, Carc	RLE	1.3	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	Benzene	5 U	0.8	B, Carc	RLE	6.3	NA	NA	NA	CH2M Hill 12/1987

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**North Boeing Field - Fire Training Center**  
**Chemicals Detected in Groundwater and Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NBF-MW-2	1987	Benzidine	50 U	0.00038	B, Carc	RLE	131579	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	bis(2-chloroethyl)ether	10 U	0.04	B, Carc	RLE	250	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	Bromodichloromethane	5 U	0.71	B, Carc	RLE	7.0	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	Carbon Tetrachloride	5 U	0.34	B, Carc	RLE	15	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	Chloromethane	5 U	3.4	B, Carc	RLE	1.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	Dibromochloromethane	5 U	0.52	B, Carc	RLE	9.6	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	Dieldrin	0.1 U	0.0055	B, Carc	RLE	18	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	Gamma-BHC (Lindane)	0.1 U	0.067	B, Carc	RLE	1.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	Heptachlor	0.1 U	0.019	B, Carc	RLE	5.3	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	Heptachlor Epoxide	0.1 U	0.0048	B, Carc	RLE	21	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	Hexachloroethane	10 U	3.1	B, Carc	RLE	3.2	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	Nitrobenzene	10 U	4	B, NC	RLE	2.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	Styrene	5 U	1.5	B, Carc	RLE	3.3	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	Tetrachloroethene	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	Toxaphene	1 U	0.08	B, Carc	RLE	13	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	Trichloroethene	5 U	0.49	B, Carc	RLE	10	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	1987	Vinyl Chloride	5 U	0.029	B, Carc	RLE	172	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	7/1/1992	1,1,2-Trichloroethane	5 U	0.77	B, Carc	RLE	6.5	NA	NA	NA	Landau 10/26/92*
NBF-MW-2	7/1/1992	1,2-Dichloroethane	5 U	0.48	B, Carc	RLE	10	NA	NA	NA	Landau 10/26/92*
NBF-MW-2	7/1/1992	1,2-Dichloropropane	5 U	0.64	B, Carc	RLE	7.8	NA	NA	NA	Landau 10/26/92*
NBF-MW-2	7/1/1992	Bromodichloromethane	5 U	0.71	B, Carc	RLE	7.0	NA	NA	NA	Landau 10/26/92*
NBF-MW-2	7/1/1992	Carbon Tetrachloride	5 U	0.34	B, Carc	RLE	15	NA	NA	NA	Landau 10/26/92*
NBF-MW-2	7/1/1992	Dibromochloromethane	5 U	0.52	B, Carc	RLE	9.6	NA	NA	NA	Landau 10/26/92*
NBF-MW-2	7/1/1992	Diesel Range Hydrocarbons	3000 U	500	A	RLE	6.0	NA	NA	NA	Landau 10/26/92*
NBF-MW-2	7/1/1992	Gasoline Range Hydrocarbons	3000 U	800	A	RLE	3.8	NA	NA	NA	Landau 10/26/92*
NBF-MW-2	1987	1,4-Dichlorobenzene	10 U	1.8	B, Carc	RLE	5.6	21	No	<1	CH2M Hill 12/1987
NBF-MW-2	1987	Antimony	250 U	6.4	B, NC	RLE	39	370	No	<1	CH2M Hill 12/1987
NBF-MW-2	1987	Arsenic	5 U	0.058	B, Carc	RLE	86	370	No	<1	CH2M Hill 12/1987
NBF-MW-2	1987	Pentachlorophenol	10 U	0.73	B, Carc	RLE	14	10	No	1.0	CH2M Hill 12/1987
NBF-MW-2	7/1/1992	Arsenic	1 U	0.058	B, Carc	RLE	17	370	No	<1	Landau 10/26/92*
NBF-MW-2	1987	Benzo(a)pyrene	10 U	0.012	B, Carc	RLE	833	0.27	RLE	37	CH2M Hill 12/1987
NBF-MW-2	1987	bis(2-Ethylhexyl)phthalate	10 U	6.3	B, Carc	RLE	1.6	0.47	RLE	21	CH2M Hill 12/1987
NBF-MW-2	1987	Hexachlorobenzene	10 U	0.055	B, Carc	RLE	182	0.029	RLE	345	CH2M Hill 12/1987
NBF-MW-2	1987	Hexachlorobutadiene	10 U	0.56	B, Carc	RLE	18	6.2	RLE	1.6	CH2M Hill 12/1987
NBF-MW-2	1987	Lead	50 U	15	A	RLE	3.3	13	RLE	3.8	CH2M Hill 12/1987
NBF-MW-2	7/1/1992	Benzo(a)pyrene	1 U	0.012	B, Carc	RLE	83	0.27	RLE	3.7	Landau 10/26/92*
NBF-MW-2	7/1/1992	PCB, total	4 U	0.044	B, Carc	RLE	91	1.5	RLE	2.7	Landau 10/26/92*
NBF-MW-2	1987	1,2,4-Trichlorobenzene	10 U	80	B, NC	No	<1	2.5	RLE	4.0	CH2M Hill 12/1987
NBF-MW-2	1987	1,2-Dichlorobenzene	10 U	720	B, NC	No	<1	5.2	RLE	1.9	CH2M Hill 12/1987
NBF-MW-2	1987	2,4-Dimethylphenol	10 U	160	B, NC	No	<1	2.0	RLE	5.0	CH2M Hill 12/1987
NBF-MW-2	1987	2-Methylphenol (o-cresol)	10 U	400	B, NC	No	<1	7.1	RLE	1.4	CH2M Hill 12/1987
NBF-MW-2	1987	Acenaphthene	10 U	960	B, NC	No	<1	9.3	RLE	1.1	CH2M Hill 12/1987
NBF-MW-2	1987	Butyl benzyl phthalate	10 U	3200	B, NC	No	<1	6.8	RLE	1.5	CH2M Hill 12/1987
NBF-MW-2	1987	Cadmium	5 U	5	A	No	1.0	3.4	RLE	1.5	CH2M Hill 12/1987
NBF-MW-2	1987	Dibenzofuran	10 U	32	B, NC	No	<1	5.1	RLE	2.0	CH2M Hill 12/1987
NBF-MW-2	1987	Fluorene	10 U	640	B, NC	No	<1	7.0	RLE	1.4	CH2M Hill 12/1987
NBF-MW-2	1987	Mercury	0.2 U	2	A	No	<1	0.0074	RLE	27	CH2M Hill 12/1987



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**North Boeing Field - Fire Training Center**  
**Chemicals Detected in Groundwater and Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NBF-MW-2	1987	Silver	10 U	80	B, NC	No	<1	1.5	RLE	6.7	CH2M Hill 12/1987
NBF-MW-2	7/1/1992	bis(2-Ethylhexyl)phthalate	1 U	6.3	B, Carc	No	<1	0.47	RLE	2.1	Landau 10/26/92*
NBF-MW-2	1987	Benzo(a)anthracene	10 U	NA	NA	NA	NA	0.63	RLE	16	CH2M Hill 12/1987
NBF-MW-2	1987	Benzo(b)fluoranthene	10 U	NA	NA	NA	NA	0.56	RLE	18	CH2M Hill 12/1987
NBF-MW-2	1987	Benzo(g,h,i)perylene	10 U	NA	NA	NA	NA	0.029	RLE	345	CH2M Hill 12/1987
NBF-MW-2	1987	Benzo(k)fluoranthene	10 U	NA	NA	NA	NA	0.57	RLE	18	CH2M Hill 12/1987
NBF-MW-2	1987	Chrysene	10 U	NA	NA	NA	NA	1.9	RLE	5.3	CH2M Hill 12/1987
NBF-MW-2	1987	Dibenzo(a,h)anthracene	10 U	NA	NA	NA	NA	0.013	RLE	769	CH2M Hill 12/1987
NBF-MW-2	1987	Indeno(1,2,3-cd)pyrene	10 U	NA	NA	NA	NA	0.033	RLE	303	CH2M Hill 12/1987
NBF-MW-2	1987	N-nitrosodiphenylamine	10 U	NA	NA	NA	NA	2.0	RLE	5.0	CH2M Hill 12/1987
NBF-MW-2	7/1/1992	Benzo(a)anthracene	1 U	NA	NA	NA	NA	0.63	RLE	1.6	Landau 10/26/92*
NBF-MW-2	7/1/1992	Benzo(b+k)fluoranthene	1 U	NA	NA	NA	NA	0.56	RLE	1.8	Landau 10/26/92*
NBF-MW-2	7/1/1992	Benzo(g,h,i)perylene	1 U	NA	NA	NA	NA	0.029	RLE	34	Landau 10/26/92*
NBF-MW-2	7/1/1992	Indeno(1,2,3-cd)pyrene	1 U	NA	NA	NA	NA	0.033	RLE	30	Landau 10/26/92*
NBF-MW-2	7/1/1992	Di-n-butylphthalate	0.5 J	NA	NA	NA	NA	1200	No	<1	Landau 10/26/92*
NBF-MW-2	1987	Methylene Chloride	31	5	A	Yes	6.2	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-2	7/1/1992	Vanadium	3	110	B, NC	No	<1	NA	NA	NA	Landau 10/26/92*
NBF-MW-3	1987	1,1,2,2-Tetrachloroethane	5 U	0.22	B, Carc	RLE	23	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	1,1,2-Trichloroethane	5 U	0.77	B, Carc	RLE	6.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	1,2-Dichloroethane	5 U	0.48	B, Carc	RLE	10	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	1,2-Dichloropropane	5 U	0.64	B, Carc	RLE	7.8	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	1,2-Diphenylhydrazine	10 U	0.11	B, Carc	RLE	91	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	2,4,6-Trichlorophenol	10 U	4	B, Carc	RLE	2.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	2,4-Dinitrophenol	50 U	32	B, NC	RLE	1.6	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	3,3'-Dichlorobenzidine	50 U	0.19	B, Carc	RLE	263	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Acrylonitrile	100 U	0.081	B, Carc	RLE	1235	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Aldrin	0.1 U	0.00260	B, Carc	RLE	38	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Aniline	10 U	7.7	B, Carc	RLE	1.3	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Benzene	5 U	0.8	B, Carc	RLE	6.3	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Benzidine	50 U	0.00038	B, Carc	RLE	131579	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	bis(2-chloroethyl)ether	10 U	0.04	B, Carc	RLE	250	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Bromodichloromethane	5 U	0.71	B, Carc	RLE	7.0	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Carbon Tetrachloride	5 U	0.34	B, Carc	RLE	15	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Chloromethane	5 U	3.4	B, Carc	RLE	1.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Dibromochloromethane	5 U	0.52	B, Carc	RLE	9.6	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Dieldrin	0.1 U	0.0055	B, Carc	RLE	18	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Gamma-BHC (Lindane)	0.1 U	0.067	B, Carc	RLE	1.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Heptachlor	0.1 U	0.019	B, Carc	RLE	5.3	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Heptachlor Epoxide	0.1 U	0.0048	B, Carc	RLE	21	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Hexachloroethane	10 U	3.1	B, Carc	RLE	3.2	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Nitrobenzene	10 U	4	B, NC	RLE	2.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Styrene	5 U	1.5	B, Carc	RLE	3.3	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Tetrachloroethene	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Toxaphene	1 U	0.08	B, Carc	RLE	13	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Trichloroethene	5 U	0.49	B, Carc	RLE	10	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Vinyl Chloride	5 U	0.029	B, Carc	RLE	172	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	7/1/1992	1,1,2-Trichloroethane	5 U	0.77	B, Carc	RLE	6.5	NA	NA	NA	Landau 10/26/92*

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Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NBF-MW-3	7/1/1992	1,2-Dichloroethane	5 U	0.48	B, Carc	RLE	10	NA	NA	NA	Landau 10/26/92*
NBF-MW-3	7/1/1992	1,2-Dichloropropane	5 U	0.64	B, Carc	RLE	7.8	NA	NA	NA	Landau 10/26/92*
NBF-MW-3	7/1/1992	Bromodichloromethane	5 U	0.71	B, Carc	RLE	7.0	NA	NA	NA	Landau 10/26/92*
NBF-MW-3	7/1/1992	Carbon Tetrachloride	5 U	0.34	B, Carc	RLE	15	NA	NA	NA	Landau 10/26/92*
NBF-MW-3	7/1/1992	Dibromochloromethane	5 U	0.52	B, Carc	RLE	9.6	NA	NA	NA	Landau 10/26/92*
NBF-MW-3	7/1/1992	Diesel Range Hydrocarbons	3000 U	500	A	RLE	6.0	NA	NA	NA	Landau 10/26/92*
NBF-MW-3	7/1/1992	Gasoline Range Hydrocarbons	3000 U	800	A	RLE	3.8	NA	NA	NA	Landau 10/26/92*
NBF-MW-3	1987	1,4-Dichlorobenzene	10 U	1.8	B, Carc	RLE	5.6	21	No	<1	CH2M Hill 12/1987
NBF-MW-3	1987	Antimony	250 U	6.4	B, NC	RLE	39	370	No	<1	CH2M Hill 12/1987
NBF-MW-3	1987	Pentachlorophenol	10 U	0.73	B, Carc	RLE	14	10	No	1.0	CH2M Hill 12/1987
NBF-MW-3	1987	Benzo(a)pyrene	10 U	0.012	B, Carc	RLE	833	0.27	RLE	37	CH2M Hill 12/1987
NBF-MW-3	1987	bis(2-Ethylhexyl)phthalate	10 U	6.3	B, Carc	RLE	1.6	0.47	RLE	21	CH2M Hill 12/1987
NBF-MW-3	1987	Hexachlorobenzene	10 U	0.055	B, Carc	RLE	182	0.029	RLE	345	CH2M Hill 12/1987
NBF-MW-3	1987	Hexachlorobutadiene	10 U	0.56	B, Carc	RLE	18	6.2	RLE	1.6	CH2M Hill 12/1987
NBF-MW-3	1987	Lead	50 U	15	A	RLE	3.3	13	RLE	3.8	CH2M Hill 12/1987
NBF-MW-3	7/1/1992	Benzo(a)pyrene	1 U	0.012	B, Carc	RLE	83	0.27	RLE	3.7	Landau 10/26/92*
NBF-MW-3	7/1/1992	PCB, total	4 U	0.044	B, Carc	RLE	91	1.5	RLE	2.7	Landau 10/26/92*
NBF-MW-3	1987	1,2,4-Trichlorobenzene	10 U	80	B, NC	No	<1	2.5	RLE	4.0	CH2M Hill 12/1987
NBF-MW-3	1987	1,2-Dichlorobenzene	10 U	720	B, NC	No	<1	5.2	RLE	1.9	CH2M Hill 12/1987
NBF-MW-3	1987	2,4-Dimethylphenol	10 U	160	B, NC	No	<1	2.0	RLE	5.0	CH2M Hill 12/1987
NBF-MW-3	1987	2-Methylphenol (o-cresol)	10 U	400	B, NC	No	<1	7.1	RLE	1.4	CH2M Hill 12/1987
NBF-MW-3	1987	Acenaphthene	10 U	960	B, NC	No	<1	9.3	RLE	1.1	CH2M Hill 12/1987
NBF-MW-3	1987	Butyl benzyl phthalate	10 U	3200	B, NC	No	<1	6.8	RLE	1.5	CH2M Hill 12/1987
NBF-MW-3	1987	Cadmium	5 U	5	A	No	1.0	3.4	RLE	1.5	CH2M Hill 12/1987
NBF-MW-3	1987	Dibenzofuran	10 U	32	B, NC	No	<1	5.1	RLE	2.0	CH2M Hill 12/1987
NBF-MW-3	1987	Fluorene	10 U	640	B, NC	No	<1	7.0	RLE	1.4	CH2M Hill 12/1987
NBF-MW-3	1987	Mercury	0.2 U	2	A	No	<1	0.0074	RLE	27	CH2M Hill 12/1987
NBF-MW-3	1987	Silver	10 U	80	B, NC	No	<1	1.5	RLE	6.7	CH2M Hill 12/1987
NBF-MW-3	7/1/1992	bis(2-Ethylhexyl)phthalate	1 U	6.3	B, Carc	No	<1	0.47	RLE	2.1	Landau 10/26/92*
NBF-MW-3	1987	Benzo(a)anthracene	10 U	NA	NA	NA	NA	0.63	RLE	16	CH2M Hill 12/1987
NBF-MW-3	1987	Benzo(b)fluoranthene	10 U	NA	NA	NA	NA	0.56	RLE	18	CH2M Hill 12/1987
NBF-MW-3	1987	Benzo(g,h,i)perylene	10 U	NA	NA	NA	NA	0.029	RLE	345	CH2M Hill 12/1987
NBF-MW-3	1987	Benzo(k)fluoranthene	10 U	NA	NA	NA	NA	0.57	RLE	18	CH2M Hill 12/1987
NBF-MW-3	1987	Chrysene	10 U	NA	NA	NA	NA	1.9	RLE	5.3	CH2M Hill 12/1987
NBF-MW-3	1987	Dibenzo(a,h)anthracene	10 U	NA	NA	NA	NA	0.013	RLE	769	CH2M Hill 12/1987
NBF-MW-3	1987	Indeno(1,2,3-cd)pyrene	10 U	NA	NA	NA	NA	0.033	RLE	303	CH2M Hill 12/1987
NBF-MW-3	1987	N-nitrosodiphenylamine	10 U	NA	NA	NA	NA	2.0	RLE	5.0	CH2M Hill 12/1987
NBF-MW-3	7/1/1992	Benzo(a)anthracene	1 U	NA	NA	NA	NA	0.63	RLE	1.6	Landau 10/26/92*
NBF-MW-3	7/1/1992	Benzo(b+k)fluoranthene	1 U	NA	NA	NA	NA	0.56	RLE	1.8	Landau 10/26/92*
NBF-MW-3	7/1/1992	Benzo(g,h,i)perylene	1 U	NA	NA	NA	NA	0.029	RLE	34	Landau 10/26/92*
NBF-MW-3	7/1/1992	Indeno(1,2,3-cd)pyrene	1 U	NA	NA	NA	NA	0.033	RLE	30	Landau 10/26/92*
NBF-MW-3	7/1/1992	Di-n-butylphthalate	0.5 J	NA	NA	NA	NA	1200	No	<1	Landau 10/26/92*
NBF-MW-3	1987	Methylene Chloride	18	5	A	Yes	3.6	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	1987	Arsenic	5	0.058	B, Carc	Yes	86	370	No	<1	CH2M Hill 12/1987
NBF-MW-3	7/1/1992	Arsenic	9	0.058	B, Carc	Yes	155	370	No	<1	Landau 10/26/92*
NBF-MW-3	1987	Acetone	12	800	B, NC	No	<1	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-3	7/1/1992	Vanadium	29	110	B, NC	No	<1	NA	NA	NA	Landau 10/26/92*

**Table H-2**  
**North Boeing Field - Fire Training Center**  
**Chemicals Detected in Groundwater and Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NBF-MW-4	1987	1,1,2,2-Tetrachloroethane	5 U	0.22	B, Carc	RLE	23	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	1,1,2-Trichloroethane	5 U	0.77	B, Carc	RLE	6.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	1,2-Dichloroethane	5 U	0.48	B, Carc	RLE	10	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	1,2-Dichloropropane	5 U	0.64	B, Carc	RLE	7.8	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	1,2-Diphenylhydrazine	10 U	0.11	B, Carc	RLE	91	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	2,4,6-Trichlorophenol	10 U	4	B, Carc	RLE	2.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	2,4-Dinitrophenol	50 U	32	B, NC	RLE	1.6	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	3,3'-Dichlorobenzidine	50 U	0.19	B, Carc	RLE	263	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Acrylonitrile	100 U	0.081	B, Carc	RLE	1235	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Aldrin	0.1 U	0.00260	B, Carc	RLE	38	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Aniline	10 U	7.7	B, Carc	RLE	1.3	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Benzene	5 U	0.8	B, Carc	RLE	6.3	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Benzidine	50 U	0.00038	B, Carc	RLE	131579	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	bis(2-chloroethyl)ether	10 U	0.04	B, Carc	RLE	250	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Bromodichloromethane	5 U	0.71	B, Carc	RLE	7.0	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Carbon Tetrachloride	5 U	0.34	B, Carc	RLE	15	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Chloromethane	5 U	3.4	B, Carc	RLE	1.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Dibromochloromethane	5 U	0.52	B, Carc	RLE	9.6	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Dieldrin	0.1 U	0.0055	B, Carc	RLE	18	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Gamma-BHC (Lindane)	0.1 U	0.067	B, Carc	RLE	1.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Heptachlor	0.1 U	0.019	B, Carc	RLE	5.3	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Heptachlor Epoxide	0.1 U	0.0048	B, Carc	RLE	21	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Hexachloroethane	10 U	3.1	B, Carc	RLE	3.2	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Nitrobenzene	10 U	4	B, NC	RLE	2.5	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Styrene	5 U	1.5	B, Carc	RLE	3.3	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Tetrachloroethene	5 U	0.081	B, Carc	RLE	62	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Toxaphene	1 U	0.08	B, Carc	RLE	13	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Trichloroethene	5 U	0.49	B, Carc	RLE	10	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Vinyl Chloride	5 U	0.029	B, Carc	RLE	172	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	7/1/1992	1,1,2-Trichloroethane	5 U	0.77	B, Carc	RLE	6.5	NA	NA	NA	Landau 10/26/92*
NBF-MW-4	7/1/1992	1,2-Dichloroethane	5 U	0.48	B, Carc	RLE	10	NA	NA	NA	Landau 10/26/92*
NBF-MW-4	7/1/1992	1,2-Dichloropropane	5 U	0.64	B, Carc	RLE	7.8	NA	NA	NA	Landau 10/26/92*
NBF-MW-4	7/1/1992	Bromodichloromethane	5 U	0.71	B, Carc	RLE	7.0	NA	NA	NA	Landau 10/26/92*
NBF-MW-4	7/1/1992	Carbon Tetrachloride	5 U	0.34	B, Carc	RLE	15	NA	NA	NA	Landau 10/26/92*
NBF-MW-4	7/1/1992	Dibromochloromethane	5 U	0.52	B, Carc	RLE	9.6	NA	NA	NA	Landau 10/26/92*
NBF-MW-4	7/1/1992	Diesel Range Hydrocarbons	3000 U	500	A	RLE	6.0	NA	NA	NA	Landau 10/26/92*
NBF-MW-4	7/1/1992	Gasoline Range Hydrocarbons	3000 U	800	A	RLE	3.8	NA	NA	NA	Landau 10/26/92*
NBF-MW-4	1987	1,4-Dichlorobenzene	10 U	1.8	B, Carc	RLE	5.6	21	No	<1	CH2M Hill 12/1987
NBF-MW-4	1987	Antimony	250 U	6.4	B, NC	RLE	39	370	No	<1	CH2M Hill 12/1987
NBF-MW-4	1987	Pentachlorophenol	10 U	0.73	B, Carc	RLE	14	10	No	1.0	CH2M Hill 12/1987
NBF-MW-4	1987	Benzo(a)pyrene	10 U	0.012	B, Carc	RLE	833	0.27	RLE	37	CH2M Hill 12/1987
NBF-MW-4	1987	bis(2-Ethylhexyl)phthalate	10 U	6.3	B, Carc	RLE	1.6	0.47	RLE	21	CH2M Hill 12/1987
NBF-MW-4	1987	Hexachlorobenzene	10 U	0.055	B, Carc	RLE	182	0.029	RLE	345	CH2M Hill 12/1987
NBF-MW-4	1987	Hexachlorobutadiene	10 U	0.56	B, Carc	RLE	18	6.2	RLE	1.6	CH2M Hill 12/1987
NBF-MW-4	1987	Lead	50 U	15	A	RLE	3.3	13	RLE	3.8	CH2M Hill 12/1987
NBF-MW-4	7/1/1992	Benzo(a)pyrene	1 U	0.012	B, Carc	RLE	83	0.27	RLE	3.7	Landau 10/26/92*
NBF-MW-4	7/1/1992	PCB, total	4 U	0.044	B, Carc	RLE	91	1.5	RLE	2.7	Landau 10/26/92*

**Table H-2**  
**North Boeing Field - Fire Training Center**  
**Chemicals Detected in Groundwater and Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to-Sediment Screening Level (ug/L)	GW-to-Sediment Screening Level Exceedence	GW-to-Sediment Screening Level Exceedence Factor	Source
NBF-MW-4	1987	1,2,4-Trichlorobenzene	10 U	80	B, NC	No	<1	2.5	RLE	4.0	CH2M Hill 12/1987
NBF-MW-4	1987	1,2-Dichlorobenzene	10 U	720	B, NC	No	<1	5.2	RLE	1.9	CH2M Hill 12/1987
NBF-MW-4	1987	2,4-Dimethylphenol	10 U	160	B, NC	No	<1	2.0	RLE	5.0	CH2M Hill 12/1987
NBF-MW-4	1987	2-Methylphenol (o-cresol)	10 U	400	B, NC	No	<1	7.1	RLE	1.4	CH2M Hill 12/1987
NBF-MW-4	1987	Acenaphthene	10 U	960	B, NC	No	<1	9.3	RLE	1.1	CH2M Hill 12/1987
NBF-MW-4	1987	Butyl benzyl phthalate	10 U	3200	B, NC	No	<1	6.8	RLE	1.5	CH2M Hill 12/1987
NBF-MW-4	1987	Cadmium	5 U	5	A	No	1.0	3.4	RLE	1.5	CH2M Hill 12/1987
NBF-MW-4	1987	Dibenzofuran	10 U	32	B, NC	No	<1	5.1	RLE	2.0	CH2M Hill 12/1987
NBF-MW-4	1987	Fluorene	10 U	640	B, NC	No	<1	7.0	RLE	1.4	CH2M Hill 12/1987
NBF-MW-4	1987	Mercury	0.2 U	2	A	No	<1	0.0074	RLE	27	CH2M Hill 12/1987
NBF-MW-4	1987	Silver	10 U	80	B, NC	No	<1	1.5	RLE	6.7	CH2M Hill 12/1987
NBF-MW-4	7/1/1992	bis(2-Ethylhexyl)phthalate	1 U	6.3	B, Carc	No	<1	0.47	RLE	2.1	Landau 10/26/92*
NBF-MW-4	1987	Benzo(a)anthracene	10 U	NA	NA	NA	NA	0.63	RLE	16	CH2M Hill 12/1987
NBF-MW-4	1987	Benzo(b)fluoranthene	10 U	NA	NA	NA	NA	0.56	RLE	18	CH2M Hill 12/1987
NBF-MW-4	1987	Benzo(g,h,i)perylene	10 U	NA	NA	NA	NA	0.029	RLE	345	CH2M Hill 12/1987
NBF-MW-4	1987	Benzo(k)fluoranthene	10 U	NA	NA	NA	NA	0.57	RLE	18	CH2M Hill 12/1987
NBF-MW-4	1987	Chrysene	10 U	NA	NA	NA	NA	1.9	RLE	5.3	CH2M Hill 12/1987
NBF-MW-4	1987	Dibenzo(a,h)anthracene	10 U	NA	NA	NA	NA	0.013	RLE	769	CH2M Hill 12/1987
NBF-MW-4	1987	Indeno(1,2,3-cd)pyrene	10 U	NA	NA	NA	NA	0.033	RLE	303	CH2M Hill 12/1987
NBF-MW-4	1987	N-nitrosodiphenylamine	10 U	NA	NA	NA	NA	2.0	RLE	5.0	CH2M Hill 12/1987
NBF-MW-4	7/1/1992	Benzo(a)anthracene	1 U	NA	NA	NA	NA	0.63	RLE	1.6	Landau 10/26/92*
NBF-MW-4	7/1/1992	Benzo(b+k)fluoranthene	1 U	NA	NA	NA	NA	0.56	RLE	1.8	Landau 10/26/92*
NBF-MW-4	7/1/1992	Benzo(g,h,i)perylene	1 U	NA	NA	NA	NA	0.029	RLE	34	Landau 10/26/92*
NBF-MW-4	7/1/1992	Indeno(1,2,3-cd)pyrene	1 U	NA	NA	NA	NA	0.033	RLE	30	Landau 10/26/92*
NBF-MW-4	1987	Methylene Chloride	26	5	A	Yes	5.2	NA	NA	NA	CH2M Hill 12/1987
NBF-MW-4	1987	Arsenic	12	0.058	B, Carc	Yes	207	370	No	<1	CH2M Hill 12/1987
NBF-MW-4	7/1/1992	Arsenic	11	0.058	B, Carc	Yes	190	370	No	<1	Landau 10/26/92*
NBF-MW-4	7/1/1992	Vanadium	11	110	B, NC	No	<1	NA	NA	NA	Landau 10/26/92*
NBF-MW-4	7/1/1992	Dibutyl Phenyl Phosphate (DBPP)	4.1	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*
NBF-MW-4	7/1/1992	Tributyl Phosphate (TBP)	26	NA	NA	NA	NA	NA	NA	NA	Landau 10/26/92*

Notes:

ug/L - micrograms per liter

GW - groundwater

\* As cited in North Boeing Field Environmental Sample Database, received on December 4, 2008. SAIC has not verified that data were entered correctly.

MTCA Cleanup Levels

A - MTCA Method A Cleanup Level, Groundwater, Table Value

B, Carc - MTCA Method B Cleanup Level, Carcinogen, Standard Formula Value

B, NC - MTCA Method B Cleanup Level, Non-carcinogen, Standard Formula Value

The lowest cleanup level for each analyte was selected from the CLARC database for comparison to the reported concentrations.

Shaded text indicates the reported concentration exceeds the MTCA Cleanup Level.

RLE - Reporting limit exceeds MTCA Cleanup Level and/or Groundwater-to-Sediment Screening Level; analyte not detected.

Groundwater-to-Sediment Screening Levels

Groundwater-to-sediment screening levels are based on the Marine Sediment Management Standards, Cleanup Screening Level (Washington Administrative Code 173-204-420).

Groundwater-to-sediment screening levels were developed for Slip 4 by SAIC (SAIC 2006).

**Bold** text indicates the reported concentration exceeds the groundwater-to-sediment screening level.

**Table H-2**  
**North Boeing Field - Fire Training Center**  
**Chemicals Detected in Groundwater and Non-Detections Above MTCA Cleanup Levels or Groundwater-to-Sediment Screening Levels**

Well Name	Sample Date	Analyte	Conc'n (ug/L)	MTCA Cleanup Level (ug/L)	A, B, C	MTCA Cleanup Level Exceedence	MTCA Cleanup Level Exceedence Factor	GW-to- Sediment Screening Level (ug/L)	GW-to- Sediment Screening Level Exceedence	GW-to- Sediment Screening Level Exceedence Factor	Source
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RLE - Reporting limit exceeds MTCA Cleanup Level and/or Groundwater-to-Sediment Screening Level; analyte not detected.

Data Qualifiers

J - Estimated value between the laboratory reporting limit and the method detection limit

U - Analyte not detected, number is the detection limit